



Common Relational Information Schema (CRIS) Version 3.2.3 Specification

Production Release

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Introduction

This document describes the design of MIMOSA’s OSA-EAI Common Relational Information Schema (CRIS) Version 3.2. The normative standard is the actual XML schema referenced as [OSA-EAI-CRIS-XSD-V03-2].

It is important to keep in mind that CRIS represents the neutral XML language used to communicate between applications. OSA-EAI does not mandate that each application implement an internal physical data store which is identical to CRIS.

Data Types

Data types are defined using the following XML primitive data types:

| <u>Data Type</u> | <u>Description</u> |
|------------------|--|
| HEXSTRING(X) | Hexadecimal character string data of fixed length X, representing X/2 bytes |
| STRING(X) | Character string data of fixed length X |
| STRING(X:Y) | Character string data of variable length with a minimum length of X and a maximum length of Y |
| BASE64BINARY | Long variable-length binary data (picture files, abstract data, etc) |
| USHORT | Short unsigned integer; 16 bits (0 to 65,535) |
| SHORT | Short signed integer; 16 bits (-32,768 to 32,767) |
| UINT | Long unsigned integer; 32 bits (0 to 4,294,967,295) |
| DOUBLE | DOUBLE-precision floating point data; 64 bits |
| DATETIME(19:29) | <p>Date/time in the following ISO 8601 variable length character form: YYYY-MM-DDThh:mm:ss{.fffffff}</p> <p>where:</p> <p>YYYY = four-digit year</p> <p>MM= two-digit month (01=January, etc.)</p> <p>DD = two-digit day of month (01 through 31)</p> <p>hh = two digits of hour (00 through 23)</p> <p>(am/pm NOT allowed)</p> <p>T = literal "T" character</p> <p>mm = two digits of minute (00 through 59)</p> <p>ss = two digits of second (00 through 59)</p> <p>fffffff = represents an optional decimal fraction of a second to the billionth of a second</p> <p>All characters through the second must be specified. Negative DATETIME is not supported. No timezone suffixes in the ISO 8601 specification, such as "Z" (representing Coordinated Universal Time (UTC)), are supported since the CRIS specification explicitly manages local offset hours and minutes as distinct attributes associated with the UTC (referred to in the CRIS specification prefixed with "GMT") attribute.</p> <p>Note that the actual difference between the new DATETIME(19:29) data type and the CRIS V2.1 fixed-length STRING(29) form is the separator between date and time information is now a literal "T" instead of a blank space, the separator for the billionths of seconds is now a dot (".") instead of a dash ("-").</p> |

Obsolete/Deprecated Entities from CRIS V3.1

#160 sample_test_type

#310 mloc_test_alarm_rg

#122 meas_sample_test

#321 test_al_assoc_reg

#191 test_nres_alarm

#192 test_bres_alarm

#161 test_result_ntype

#164 test_num_results

#286 test_result_ctype

#285 test_chr_results

#167 test_result_btype

#168 test_blob_results

#214 test_histogram

#287 test_remark

#140 work_order_step

#201 wo_step_sg_recomm

#202 wo_step_as_recomm

#180 wo_step_audit

#178 wo_step_num_data

#179 wo_step_chr_data

#141 wo_step_work_req

#183 work_req_sol_pack

#190 olist_blob_data

Reference Entities

#583 cris_instance

Description: CRIS Instance Entity

This Entity should contain 1 entry which represents the version of CRIS utilized.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------|
| database_version | Version of CRIS instance in "x.x.x" format – Major version, subversion, and revision level separated with periods | STRING(0:254) NOT NULL |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | database_version | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |

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#1 enterprise_type

Description: Enterprise Type Entity

This entity stores the various types of enterprises.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| ent_db_site | Foreign key reference to Site_Database.db_site which identifies the source database generating this entry. Included in composite primary key. | HEXSTRING(16) NOT NULL |
| ent_db_id | Foreign key reference to Site_Database.db_id which identifies the source database generating this entry. Included in composite primary key. | UINT NOT NULL |
| ent_type_code | Unique integer entry relative to the source database. Included in composite primary key. | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ent_db_site, ent_db_id, ent_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | ent_db_site, ent_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#3 site_type

Description: Site Type Entity

This entity stores the various types of sites including facilities, plants, and fleets.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------|
| st_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| st_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| st_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| mobile_yn | Mobile platform flag | STRING(1) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | st_db_site, st_db_id, st_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | st_db_site, st_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |
| <u>Check</u> | <u>Attribute</u> | <u>Value Range</u> |
| | mobile_yn | 'Y','N' |

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#4 site_type_child

Description: Site Type Child Entity

This entity shows the parent-child relationship structures of the logical taxonomy of site types – from the general to more specific. This entity will support various site classification schemes as desired by different databases.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------------------|
| st_db_site | Foreign key reference to Site_Type.st_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| st_db_id | Foreign key reference to Site_Type.st_db_id, Included in composite primary key | UINT NOT NULL |
| st_type_code | Foreign key reference to Site_Type.st_type_code, Included in composite primary key | UINT NOT NULL |
| child_st_db_site | Foreign key reference to Site_Type.st_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| child_st_db_id | Foreign key reference to Site_Type.st_db_id, Included in composite primary key | UINT NOT NULL |
| child_st_type_code | Foreign key reference to Site_Type.st_type_code Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | st_db_site, st_db_id, st_type_code, child_st_db_site, child_st_db_id, child_st_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_type (st_db_site, st_db_id, st_type_code) | st_db_site, st_db_id, st_type_code |

| | | |
|--|--|--|
| | site_type (st_db_site, st_db_id, st_type_code) | child_st_db_site, child_st_db_id, child_st_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#5 mim_access_type

Description: MIMOSA OSA-EAI Server Applications Access Type Entity

This entity stores the various types of access (read-only, write-only, read/write) which MIMOSA OSA-EAI server applications can support.

Note: MIMOSA populates and maintains this entity. No user-defined entities are supported.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|-------------------------------------|
| acc_type_code | Included in composite primary key | UINT NOT NULL |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | acc_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#12 row_status_type

Description: Row Status Type Code

The row status code is a foreign key in every other entity to define the status of the row. These codes will not change. The entries will include the following:

- 1 = Active Row
- 2 = Inactive Row
- 3 = Soft Deleted Row

Note: MIMOSA populates and maintains this entity. No user-defined entries are supported

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|-------------------------------------|
| rstat_type_cod | Row status type code included in composite primary key. | USHORT NOT NULL |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | rstat_type_cod | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | | |

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#16 manufacturer

Description: Manufacturer Entity

This entity provides basic contact information for the manufacturers list.

Note: The optional field `primary_sic` relates to the primary Standard Industry Code (SIC) for the site. This code is linked in a SIC reference book to the type of industry the site is associated with.

Note: MIMOSA populates and maintains the enterprise zero, site zero (`mf_db_site = "0000000000000000"`) entries in this entity.

Note: On address lines, line breaks are denoted by a backslash (“\”) character.

| Attribute | Description | Size/Type |
|--------------------------------|---|------------------------|
| <code>mf_db_site</code> | Foreign key reference to <code>Site_Database.db_site</code> , Included in composite primary key | HEXSTRING(16) NOT NULL |
| <code>mf_db_id</code> | Foreign key reference to <code>Site_Database.db_id</code> , Included in composite primary key Included in composite primary key | UINT NOT NULL |
| <code>manuf_code</code> | Included in composite primary key | UINT NOT NULL |
| <code>user_tag_ident</code> | Short user-defined tag/identifier | STRING(0:254) |
| <code>manuf_trade_name</code> | Trade name of the manufacturer | STRING(0:254) NOT NULL |
| <code>company_name</code> | Company/Corporate name of the manufacturer | STRING(0:254) NOT NULL |
| <code>phys_addr</code> | Physical Street Address Lines (multiple lines separated with a \) | STRING(0:254) |
| <code>phys_city_name</code> | Physical Street Address City | STRING(0:254) |
| <code>phys_state_abbr</code> | Physical Street Address State/Province | STRING(0:254) |
| <code>phys_postal_code</code> | Physical Street Address Postal Code | STRING(0:254) |
| <code>phys_country_abbr</code> | Physical Street Address Country Code | STRING(0:254) |
| <code>mail_addr</code> | Mailing Address Lines (multiple lines separated with a \) | STRING(0:254) |
| <code>mail_city_name</code> | Mailing Address City | STRING(0:254) |
| <code>mail_state_abbr</code> | Mailing Address State/Province | STRING(0:254) |
| <code>mail_postal_code</code> | Mailing Address Postal Code | STRING(0:254) |
| <code>mail_country_abbr</code> | Mailing Address Country Code | STRING(0:254) |
| <code>us_phone_number</code> | Phone Number, US format (xxx-xxx-xxxx) | STRING(0:254) |
| <code>int_ph_country_no</code> | Phone Number, International format, Country Code Number | STRING(0:254) |
| <code>int_ph_city_no</code> | Phone Number, International format, City Code Number | STRING(0:254) |
| <code>int_ph_local_no</code> | Phone Number, International format, Local Number | STRING(0:254) |
| <code>us_fax_number</code> | Fax Number, US format (xxx-xxx-xxxx) | STRING(0:254) |

| | | |
|---------------------|---|----------------------------------|
| int_fax_country_no | Fax Number, International format, Country Code Number | STRING(0:254) |
| int_fax_city_no | Fax Number, International format, City Code Number | STRING(0:254) |
| int_fax_local_no | Fax Number, International format, Local Number | STRING(0:254) |
| business_desc | Major line of business | STRING(0:254) |
| primary_sic | Standard Industry Code, Primary | STRING(0:254) |
| lc_alt_sic1 | Standard Industry Code, Alternate #1 | STRING(0:254) |
| lc_alt_sic2 | Standard Industry Code, Alternate #2 | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | mf_db_site, mf_db_id, manuf_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | mf_db_site, mf_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#17 segment_type

Description: Service Segment Type Entity

This entity standardizes the name of service segments: production processes, their inputs and outputs, physical structures, systems, mechanical devices, and mechanical device areas. Many of these segments appear on the engineering blueprints of the site. These are referred to as “service segments” in this model. Service segment types can be thought of as the labels which are used in plant layout drawings showing the process flow, machine trains, and physical buildings in a plant.

Note: "Spares Area/Storeroom/Stock Room/Parts Crib" where spare assets are stored are segments with a segment type in the family tree of ('0000000000000000',1,0)

Note: MIMOSA populates and maintains the enterprise zero, site zero (sg_db_site = “0000000000000000”) entries in this entity.

| Attribute | Description | Size/Type |
|---------------------|---|----------------------------------|
| sg_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| sg_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| default_mnemonic | 1-3 character default mnemonic code | STRING(3) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sg_db_site, sg_db_id, sg_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | sg_db_site, sg_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#98 segment_type_child

Description: Segment Type Child Entity

This entity shows the parent-child relationships structure of the logical taxonomy of segment types - from the general to more specific. This entity will support various classification schemes as desired by different MIMOSA databases.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------------------|
| sg_db_site | Foreign key reference to Segment_Type.sg_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_db_id | Foreign key reference to Segment_Type.sg_db_id, Included in composite primary key | UINT NOT NULL |
| sg_type_code | Foreign key reference to Segment_Type.sg_type_code, Included in composite primary key | UINT NOT NULL |
| child_sg_db_site | Foreign key reference to Segment_Type.sg_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| child_sg_db_id | Foreign key reference to Segment_Type.sg_db_id, Included in composite primary key | UINT NOT NULL |
| child_sg_type_code | Foreign key reference to Segment_Type.sg_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sg_db_site, sg_db_id, sg_type_code, child_sg_db_site, child_sg_db_id, child_sg_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | segment_type(sg_db_site, sg_db_id, sg_type_code) | sg_db_site, sg_db_id, sg_type_code |

| | | |
|--|--|--|
| | segment_type(sg_db_site, sg_db_id, sg_type_code) | child_sg_db_site, child_sg_db_id, child_sg_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#224 sg_type_blob_data

Description: Segment Type Binary Data Related To a Specific Database

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|--|------------------------|
| db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| sg_db_site | Foreign key reference to Segment_Type.sg_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_db_id | Foreign key reference to Segment_Type.sg_db_id, Included in composite primary key | UINT NOT NULL |
| sg_type_code | Foreign key reference to Segment_Type.sg_type_code, Included in composite primary key | UINT NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| blct_db_site | Foreign key reference to Blob_Content_Type.blct_db_site | HEXSTRING(16) NOT NULL |
| blct_db_id | Foreign key reference to Blob_Content_Type.blct_db_id | UINT NOT NULL |
| blc_type_code | Foreign key reference to Blob_Content_Type.blc_type_code | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft | HEXSTRING(16) |

| | | |
|---------------------|---|---|
| | deleting this entry | |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | db_site, db_id, sg_db_site, sg_db_id, sg_type_code, bd_db_site, bd_db_id, bd_type_code, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | db_site, db_id |
| | segment_type (sg_db_site, sg_db_id, sg_type_code) | sg_db_site, sg_db_id, sg_type_code |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | blob_content_type (blct_db_site, blct_db_id, blc_type_code) | blct_db_site, blct_db_id, blc_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#22 ref_unit_type

Description: Reference Unit Type Entity

Note: MIMOSA populates and maintains this entity. No user-defined entries are supported.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|-------------------------------------|
| ru_type_code | Included in composite primary key | UINT NOT NULL |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| physics_descr | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ru_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#23 eng_unit_type

Description: Engineering Unit Type

Note: MIMOSA populates and maintains the enterprise zero, site zero (eu_db_site = “0000000000000000”) entries in this entity. To convert between units, a multiplication factor from reference plus an offset scalar is provided in the attributes mult_fact_to_ref and refer_off_to_ref, respectively.

$$Y[\text{eng units}] = (X[\text{ref units}] * \text{mult_fact_to_ref}) + \text{refer_off_to_ref}$$

$$Y[\text{ref units}] = (X[\text{eng units}] - \text{refer_off_to_ref}) / \text{mult_fact_to_ref}$$

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| eu_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| eu_type_code | Included in composite primary key | UINT NOT NULL |
| ru_type_code | Foreign key reference to Ref_Unit_Type.ru_type_code | UINT NOT NULL |
| mult_fact_to_ref | | DOUBLE NOT NULL |
| refer_off_to_ref | | DOUBLE NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | eu_db_site, eu_db_id, eu_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | eu_db_site, eu_db_id |
| | ref_unit_type (ru_type_code) | ru_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

#24 eng_unit_enum

Description: Engineering Unit Enumerated List Entity

This entity stores the alpha-numeric data names for engineering units which are of reference unit type “Enumerated List”.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------------------|
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id, Included in composite primary key | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code, Included in composite primary key | UINT NOT NULL |
| data_value | Included in composite primary key | UINT NOT NULL |
| data_name | | STRING(0:254) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | eu_db_site, eu_db_id, eu_type_code, data_value | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#25 sg_num_dat_type

Description: Segment Numeric Data Type Entity

This entity defines all the numeric data related to a segment.

Note: MIMOSA maintains the enterprise zero, site zero (sn_db_site = “0000000000000000”) entries in this entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|-------------------------------------|
| sn_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sn_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| sn_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| default_ru_type | Foreign key reference to Ref_Unit_Type.ru_type_code | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sn_db_site, sn_db_id, sn_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | sn_db_site, sn_db_id |
| | ref_unit_type (ru_type_code) | default_ru_type |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#26 sg_chr_dat_type

Description: Segment Character Data Type Entity

This entity will define all the alpha-numeric data related to a segment.

Note: MIMOSA maintains the enterprise zero, site zero (sc_db_site = “0000000000000000”) in this entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|-------------------------------------|
| sc_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sc_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| sc_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| default_ru_type | Foreign key reference to Ref_Unit_Type.ru_type_code | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sc_db_site, sc_db_id, sc_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | sc_db_site, sc_db_id |
| | ref_unit_type (ru_type_code) | default_ru_type |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#29 sg_as_event_type

Description: Segment/Asset Event Type Entity

This entity holds the different types of possible events for segments and assets. These include both operating events and failure events such as; Logged Operating Events, Failure “Modes”, Failure “Effects”, Failure “Mechanisms”, Defect Events Abnormal Situations, Alarm Events, etc. An event is NOT work performed by an entity, but a log of the actual events which occurred at a service segment or asset over time.

Note: MIMOSA populates and maintains the enterprise zero, site zero (ev_db_site = “0000000000000000”) entries in this entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| ev_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ev_db_site, ev_db_id, event_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | ev_db_site, ev_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#31 asset_type

Description: Asset Type Entity

Note: MIMOSA populates and maintains the enterprise zero, site zero (as_db_site = "0000000000000000") entries in this entity.

Note: "Spares Area/Storerroom/Stock Room/Parts Crib" where spare assets are stored as assets with an asset type in the family tree of (0,1,0)

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| as_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| as_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| default_mnemonic | | STRING(3) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | as_db_site, as_db_id, as_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | as_db_site, as_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#99 asset_type_child

Description: Asset Type Child Entity

This entity shows the parent-child relationships structure of the logical taxonomy of asset types - from the general to more specific. This entity will support various classification schemes as desired by different MIMOSA databases.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------------------|
| as_db_site | Foreign key reference to Asset_Type.as_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_db_id | Foreign key reference to Asset_Type.as_db_id, Included in composite primary key | UINT NOT NULL |
| as_type_code | Foreign key reference to Asset_Type.as_type_code, Included in composite primary key | UINT NOT NULL |
| child_as_db_site | Foreign key reference to Asset_Type.as_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| child_as_db_id | Foreign key reference to Asset_Type.as_db_id, Included in composite primary key | UINT NOT NULL |
| child_as_type_code | Foreign key reference to Asset_Type.as_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | as_db_site, as_db_id, as_type_code, child_as_db_site, child_as_db_id, child_as_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset_type (as_db_site, as_db_id, as_type_code) | as_db_site, as_db_id, as_type_code |

| | | |
|--|---|--|
| | asset_type (as_db_site, as_db_id, as_type_code) | child_as_db_site, child_as_db_id, child_as_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#225 as_type_blob_data

Description: Asset Type Binary Data Related To a Specific Database

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|--|------------------------|
| db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| as_db_site | Foreign key reference to Asset_Type.as_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_db_id | Foreign key reference to Asset_Type.as_db_id, Included in composite primary key | UINT NOT NULL |
| as_type_code | Foreign key reference to Asset_Type.as_type_code, Included in composite primary key | UINT NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| blct_db_site | Foreign key reference to Blob_Content_Type.blct_db_site | HEXSTRING(16) NOT NULL |
| blct_db_id | Foreign key reference to Blob_Content_Type.blct_db_id | UINT NOT NULL |
| blc_type_code | Foreign key reference to Blob_Content_Type.blc_type_code | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this | HEXSTRING(16) |

| | | |
|---------------------|---|---|
| | entry | |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | db_site, db_id, as_db_site, as_db_id, as_type_code, bd_db_site, bd_db_id, bd_type_code, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | db_site, db_id |
| | asset_type (as_db_site, as_db_id, as_type_code) | as_db_site, as_db_id, as_type_code |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | blob_content_type (blct_db_site, blct_db_id, blc_type_code) | blct_db_site, blct_db_id, blc_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#33 as_num_dat_type

Description: Asset Numeric Data Type Entity

This entity will define all the numeric data related to an asset or a model of an asset.

Note: MIMOSA maintains the enterprise zero, site zero (an_db_site = “0000000000000000”) entries in this entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|-------------------------------------|
| an_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| an_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| an_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| default_ru_type | Foreign key reference to Ref_Unit_Type.ru_type_code | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | an_db_site, an_db_id, an_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | an_db_site, an_db_id |
| | ref_unit_type (ru_type_code) | default_ru_type |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#34 as_chr_dat_type

Description: Asset Character Data Type Entity

This entity defines all the alpha-numeric character data related to an asset or a model of an asset.

Note: MIMOSA maintains the enterprise zero, site zero (ac_db_site = “0000000000000000”) in this entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|-------------------------------------|
| ac_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ac_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| ac_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| default_ru_type | Foreign key reference to Ref_Unit_Type.ru_type_code | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ac_db_site, ac_db_id, ac_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | ac_db_site, ac_db_id |
| | ref_unit_type (ru_type_code) | default_ru_type |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#46 tr_axis_dir_type

Description: Transducer Sensitive Axis Direction Type Entity

This entity stores types of sensitive axis directions which relate to transducers placed at measurement locations on machinery. The axis direction to use for monitoring rotating machinery should conform to the MIMOSA guidelines as specified in MIMOSA Document MIM-VB-001.

Note: MIMOSA populates and maintains the enterprise zero, site zero (ta_db_site = “0000000000000000”) entries in this entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| ta_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ta_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| ta_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ta_db_site, ta_db_id, ta_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | ta_db_site, ta_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#51 data_source_type

Description: Data Source Type Entity

Note: MIMOSA populates and maintains the enterprise zero, site zero (ds_db_site = “0000000000000000”) entries in this entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| ds_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ds_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| ds_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ds_db_site, ds_db_id, ds_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | ds_db_site, ds_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#53 trans_type

Description: Transducer Type Entity

A subset of the asset type entity which defines the types of assets which are valid types of transducers.

Note: The user_tag_ident field should store the abbreviation for the transducer type as defined for vibration in MIMOSA Document MIM-VB-001.

Note: MIMOSA populates and maintains the enterprise zero, site zero (tr_db_site = "0000000000000000") entries in this entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------------------|
| tr_db_site | Foreign key reference to Asset_Type.as_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| tr_db_id | Foreign key reference to Asset_Type.as_db_id, Included in composite primary key | UINT NOT NULL |
| tr_type_code | Foreign key reference to Asset_Type.as_type_code, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | tr_db_site, tr_db_id, tr_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset_type (as_db_site, as_db_id, as_type_code) | tr_db_site, tr_db_id, tr_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#55 meas_loc_type

Description: Measurement Location Type Entity

This entity stores all the various types of measurement locations.

Note: MIMOSA populates and maintains all site zero (ml_db_site = “0000000000000000”) entries in this entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| ml_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ml_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| ml_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ml_db_site, ml_db_id, ml_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | ml_db_site, ml_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#354 severity_level_type

Description: Severity Level Type Entity

This entity stores the entries possible for severity levels for alarms, events, etc. Entities #60 in CRIS V3.0 (alarm_severity) and #103 (severity_type) have been replaced by this entity in V3.1.

Note: MIMOSA populates and maintains all enterprise zero, site zero (severity_lev_db_site = "0000000000000000") entries in this entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------------|---|-------------------------------------|
| severity_lev_db_site | Included in composite primary key | HEXSTRING(16) NOT NULL |
| severity_lev_db_id | Included in composite primary key | UINT NOT NULL |
| severity_lev_type_code | Included in composite primary key | UINT NOT NULL |
| severity_scale | Severity on a 0...100 scale where 100=maximum | USHORT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | severity_lev_db_site, severity_lev_db_id, severity_lev_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#61 alarm_type

Description: Alarm Type Entity

This entity stores the different types of alarms used by a database, along with its severity ranking and name.

Note: MIMOSA populates and maintains the enterprise zero, site zero (al_db_site = “0000000000000000”) entries for this entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-------------------------------|---|--|
| al_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| al_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| al_type_code | Included in composite primary key | UINT NOT NULL |
| severity_lev_db_site | Foreign key reference to Severity_Level_Type.severity_lev_db_site | HEXSTRING(16) NOT NULL |
| severity_lev_db_id | Foreign key reference to Severity_Level_Type.severity_lev_db_id | UINT NOT NULL |
| severity_lev_type_code | Foreign key reference to Severity_Level_Type.severity_lev_type_code | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | al_db_site, al_db_id, al_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | al_db_site, al_db_id |
| | severity_level_type (severity_lev_db_site, severity_lev_db_id, severity_lev_type_code) | severity_lev_db_site, severity_lev_db_id, severity_lev_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#64 signal_proc_type

Description: Signal Process Type Entity

This entity stores all the various types of signal processing that could be defined.

Note: MIMOSA maintains the enterprise zero, site zero (sp_db_site = “0000000000000000”) entries in this entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| sp_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sp_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| sp_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sp_db_site, sp_db_id, sp_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | sp_db_site, sp_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#66 sp_num_dat_type

Description: Signal Process Block Numeric Data Type Entity

This entity stores all the various types of numeric data associated with signal process blocks. Data associated with averaging, source detection, and windows can optionally be stored here, but should be specified when data is stored in the actual time waveform, FFT, CPB or single amplitude value/vector data entities.

Note: MIMOSA populates and maintains the enterprise zero, site zero (spn_db_site = “0000000000000000”) entries for this entity

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| spn_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| spn_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| spn_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | spn_db_site, spn_db_id, spn_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | spn_db_site, spn_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#70 average_type

Description: Average Type Entity

This entity stores different types of signal processing averaging methods

Note: MIMOSA maintains the enterprise zero, site zero (ave_db_site = “0000000000000000”) entries in this entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| ave_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ave_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| ave_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ave_db_site, ave_db_id, ave_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | ave_db_site, ave_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#71 ave_weight_type

Description: Average Weight Type Entity

This entity stores different types of signal processing average weighting methods.

Note: MIMOSA maintains the enterprise zero, site zero (ave_wt_db_site = “0000000000000000”) entries in this entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| ave_wt_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ave_wt_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| ave_wt_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ave_wt_db_site, ave_wt_db_id, ave_wt_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | ave_wt_db_site, ave_wt_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#72 ave_synch_type

Description: Average Synchronization Type Entity

This entity stores different types of signal processing averaging synchronization methods.

Note: MIMOSA maintains the enterprise zero, site zero (ave_sy_db_site = “0000000000000000”) entries in this entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| ave_sy_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ave_sy_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| ave_sy_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ave_sy_db_site, ave_sy_db_id, ave_sy_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | ave_sy_db_site, ave_sy_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#73 src_detect_type

Description: Source Signal Detector Type Entity

This entity stores different source signal detector types

Note: MIMOSA maintains the enterprise zero, site zero (src_dt_db_site = “0000000000000000”) entries in this entity

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| src_dt_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| src_dt_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| src_dt_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | src_dt_db_site, src_dt_db_id, src_dt_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | src_dt_db_site, src_dt_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#74 post_scaling_type

Description: Post-processed Signal Processing Scaling Mode Type Entity

This entity stores different types of signal processing scaling methods

Note: MIMOSA maintains the enterprise zero, site zero (src_dt_db_site = “0000000000000000”) entries in this entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| pst_sc_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| pst_sc_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| pst_sc_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | pst_sc_db_site, pst_sc_db_id, pst_sc_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | pst_sc_db_site, pst_sc_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#80 window_type

Description: Window Type Entity

This entity stores different types of FFT and time waveform windows.

Note: The pf_multiplier attribute is the power factor multiplier for the window

Note: MIMOSA maintains the enterprise zero, site zero (win_db_site = “0000000000000000”) entries in this entity.

| Attribute | Description | Size/Type |
|---------------------|---|----------------------------------|
| win_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| win_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| win_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| pf_multiplier | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | win_db_site, win_db_id, win_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | win_db_site, win_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#88 data_qual_type

Description: Data Quality Type Entity

The data quality type defines the various quality states with which data in entities can be classified. These come from the ISO 9000-2 status guidelines:

- 1 = Not Inspected, Quality Unknown
- 2 = Inspected and Accepted, Quality Good
- 3 = Inspected and On Hold, Quality Under Review
- 4 = Inspected and Rejected, Quality Bad

Note: MIMOSA populates and maintains this entity. No user-defined entries are supported.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|-------------------------------------|
| dqual_type_code | Included in composite primary key | USHORT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | dqual_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#355 health_level_type

Description: Health Level Type Entity

This entity stores the entries possible for health levels for segments, assets, agents, etc. Entity #104 in CRIS V3.0 (health_grade_type) has been replaced by this entity in V3.1.

Note: MIMOSA populates and maintains all enterprise zero, site zero (health_lev_db_site = "0000000000000000") entries in this entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|----------------------|---|----------------------------------|
| health_lev_db_site | Included in composite primary key | HEXSTRING(16) NOT NULL |
| health_lev_db_id | Included in composite primary key | UINT NOT NULL |
| health_lev_type_code | Included in composite primary key | UINT NOT NULL |
| health_scale | Health on a 0..100 scale where 100=maximum health | USHORT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | health_lev_db_site, health_lev_db_id, health_lev_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#356 priority_level_type

Description: Priority Level Type Entity

This entity stores the entries possible for priority levels for work management, etc.. Entity #106 in CRIS V3.0 (priority_type) has been replaced by this entity in V3.1.

Note: MIMOSA populates and maintains all enterprise zero, site zero (priority_lev_db_site = “0000000000000000”) entries in this entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------------|---|----------------------------------|
| priority_lev_db_site | Included in composite primary key | HEXSTRING(16) NOT NULL |
| priority_lev_db_id | Included in composite primary key | UINT NOT NULL |
| priority_lev_type_code | Included in composite primary key | UINT NOT NULL |
| priority_scale | Priority on a 0..priority_scale where priority_scale=maximum priority | USHORT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | priority_lev_db_site, priority_lev_db_id, priority_lev_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#107 ev_num_data_type

Description: Segment/Asset Event Numeric Data Type

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| en_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| en_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| en_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | en_db_site, en_db_id, en_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | en_db_site, en_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#108 work_task_type

Description: Work Task Types Entity

This entity maintains types of work tasks, steps, actions, activities, etc.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| task_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Included in composite primary key | UINT NOT NULL |
| wm_type_db_site | If specified, indicates that the entry is only applicable for the specified Work Management Type. Foreign key reference to Work_Manage_Type.wm_type_db_site | HEXSTRING(16) |
| wm_type_db_id | If specified, indicates that the entry is only applicable for the specified Work Management Type. Foreign key reference to Work_Manage_Type.wm_type_db_id | UINT |
| wm_type_code | If specified, indicates that the entry is only applicable for the specified Work Management Type. Foreign key reference to Work_Manage_Type.wm_type_code | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | task_db_site, task_db_id, task_type_code | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|---|--|
| | site_database (db_site, db_id) | task_db_site, task_db_id |
| | work_manage_type (wm_type_db_site, wm_type_db_id, wm_type_code) | wm_type_db_site, wm_type_db_id, wm_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#109 agent_type

Description: Agent Type Entity

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| agent_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| agent_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| agent_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | agent_db_site, agent_db_id, agent_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | agent_db_site, agent_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#110 agent_role_type

Description: Agent Role Type Entity

This entity identifies possible agent role types, i.e. Manager, Owner, Employer, Buyer, Operator, etc.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| ag_role_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ag_role_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| ag_role_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ag_role_db_site, ag_role_db_id, ag_role_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | ag_role_db_site, ag_role_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#119 work_audit_type

Description: Work Audit Type Entity

This entity maintains the audit types for Work Requests, Work Orders and Work Order Steps.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| waudit_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| waudit_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| waudit_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | waudit_db_site, waudit_db_id, waudit_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | waudit_db_site, waudit_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#121 event_type_child

Description: Event Type Child Entity

This entity maintains parent-child relationships among the different types of possible events for segments and assets. Events include both operating events and failure events such as; Logged Operating Events, Failure “Modes”, Failure “Effects”, Failure “Mechanisms”, Defect Events Abnormal Situations, Alarm Events, etc. An event is NOT work performed by an entity, but a log of the actual events which occurred at a service segment or asset over time.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| ev_db_site | Foreign key reference to Sg_As_Event_Type.ev_db_site Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Sg_As_Event_Type.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Sg_As_Event_Type.event_type_code, Included in composite primary key | UINT NOT NULL |
| child_ev_db_site | Foreign key reference to Sg_As_Event_Type.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| child_ev_db_id | Foreign key reference to Sg_As_Event_Type.ev_db_id, Included in composite primary key | UINT NOT NULL |
| child_ev_type_code | Foreign key reference to Sg_As_Event_Type.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ev_db_site, ev_db_id, event_type_code, child_ev_db_site, child_ev_db_id, child_event_type_code | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|---|
| | sg_as_event_type (ev_db_site, ev_db_id, event_type_code) | ev_db_site, ev_db_id, event_type_code |
| | sg_as_event_type (ev_db_site, ev_db_id, event_type_code) | child_ev_db_site, child_ev_db_id, child_event_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#585 work_item_type

Description: Work Item Types Entity

This entity stores the names of valid work object items in a maintenance system, e.g. "Work Request", "Work Order", "Work Step".

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------------------|
| work_item_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_item_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| work_item_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | work_item_db_site, work_item_db_id, work_item_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | work_item_db_site, work_item_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#128 work_manage_type

Description: Work Management Types Entity

This entity stores types of work management work requests and work orders.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|--|--------------------------------|
| wm_type_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| wm_type_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| wm_type_code | Included in composite primary key | UINT NOT NULL |
| work_item_db_site | If specified, indicates that the entry is only applicable for the specified type of work item. Foreign key reference to Work_Item_Type.work_item_db_site | HEXSTRING(16) |
| work_item_db_id | If specified, indicates that the entry is only applicable for the specified type of work item. Foreign key reference to Work_Item_Type.work_item_db_id | UINT |
| work_item_type_code | If specified, indicates that the entry is only applicable for the specified type of work item. Foreign key reference to Work_Item_Type.work_item_type_code | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | wm_type_db_site, wm_type_db_id, wm_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | wm_type_db_site, wm_type_db_id |

| | | |
|--|--|---|
| | work_item_type (work_item_db_site, work_item_db_id, work_item_type_code) | work_item_db_site, work_item_db_id, work_item_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#150 wtask_type_child

Description: Work Task Type Child Entity

This entity shows the parent-child relationships structure of the logical taxonomy of work task types - from the general to more specific. This entity will support various classification schemes as desired by different MIMOSA databases.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|--|
| task_db_site | Foreign key reference to Work_Task_Type.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to Work_Task_Type.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to Work_Task_Type.task_type_code, Included in composite primary key | UINT NOT NULL |
| child_tk_db_site | Foreign key reference to Work_Task_Type.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| child_tk_db_id | Foreign key reference to Work_Task_Type.task_db_id, Included in composite primary key | UINT NOT NULL |
| child_tk_type_code | Foreign key reference to Work_Task_Type.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | task_db_site, task_db_id, task_type_code, child_tk_db_site, child_tk_db_id, child_tk_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | work_task_type (task_db_site, task_db_id, task_type_code) | task_db_site, task_db_id, task_type_code |

| | | |
|--|---|--|
| | work_task_type (task_db_site, task_db_id, task_type_code) | child_tk_db_site, child_tk_db_id, child_tk_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#151 change_patt_type

Description: Change Pattern Type Entity

This entity maintains the types of change pattern observed in problems.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| ch_patt_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ch_patt_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| ch_patt_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ch_patt_db_site, ch_patt_db_id, ch_patt_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | ch_patt_db_site, ch_patt_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#162 blob_data_type

Description: BLOB Data Type Entity

This entity stores types of Binary Large Object Data such as a Bitmapped Drawing or Image, Ferrographic Image, Thermographic Image, Digitized Video Clip, Document, etc.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| bd_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | bd_db_site, bd_db_id, bd_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | bd_db_site, bd_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#170 work_num_data_type

Description: Work Numeric Data Type Entity

This entity maintains numeric data types for Work Requests, Work Orders and Work Order Steps.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| wn_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| wn_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| wn_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | wn_db_site, wn_db_id, wn_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | wn_db_site, wn_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#171 work_chr_data_type

Description: Work Character Data Type Entity

This entity maintains character data types for Work Requests, Work Orders and Work Order Steps.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| wc_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| wc_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| wc_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | wc_db_site, wc_db_id, wc_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | wc_db_site, wc_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#182 solution_pack_type

Description: Solution Package Type Entity

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| sol_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sol_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| sol_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sol_db_site, sol_db_id, sol_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | sol_db_site, sol_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#212 sample_ndata_type

Description: Sample Numeric Data Type

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| snum_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| snum_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| snum_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | snum_db_site, snum_db_id, snum_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | snum_db_site, snum_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#215 mim_tech_type

Description: Types of MIMOSA Technology

This entity identifies all technology types of the MIMOSA database.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|-------------------------------------|
| tech_type_code | Included in composite primary key | UINT NOT NULL |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | tech_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#216 mim_support_type

Description: MIMOSA Support Levels

This entity identifies support levels for the MIMOSA database.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|-------------------------------------|
| supp_type_code | Included in composite primary key | UINT NOT NULL |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | supp_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#217 mim_data_cat_type

Description: MIMOSA Data Categories

This entity identifies all category types for data in the MIMOSA database.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|-------------------------------------|
| dcat_type_code | Included in composite primary key | UINT NOT NULL |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | dcat_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#261 sp_stream_type

Description: Signal Process Stream Type Entity

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| sps_type_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sps_type_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| sps_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sps_type_db_site, sps_type_db_id, sps_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | sps_type_db_site, sps_type_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#283 network_type

Description: Network Type Entity

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| nt_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| nt_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| nt_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | nt_db_site, nt_db_id, nt_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | nt_db_site, nt_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#290 sample_cdata_type

Description: Sample Character Data Type

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| schr_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| schr_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| schr_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | schr_db_site, schr_db_id, schr_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | schr_db_site, schr_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#291 mevent_blob_type

Description: Measurement Event Binary Large Object Type

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| mebt_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| mebt_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| meb_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | mebt_db_site, mebt_db_id, meb_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | mebt_db_site, mebt_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#292 highlight_type

Description: Highlight Type Entity

Defines highlight area types for drawing attention to certain locations, now used for BLOB areas

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| high_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| high_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| high_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | high_db_site, high_db_id, high_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | high_db_site, high_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#323 purchase_cond_type

Description: Purchase Condition Type

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| pc_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| pc_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| pc_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | pc_db_site, pc_db_id, pc_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | pc_db_site, pc_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#324 as_readiness_type

Description: Asset Readiness Type

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| asr_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asr_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| asr_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| description | | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asr_db_site, asr_db_id, asr_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | asr_db_site, asr_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#325 mloc_calc_type

Description: Measurement Location Data Collection Type

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| mc_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| mc_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| mc_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| description | | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | mc_db_site, mc_db_id, mc_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | mc_db_site, mc_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#326 mim_func_type

Description: MIMOSA Functionality Type

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|-------------------------------------|
| func_type_code | Included in composite primary key | UINT NOT NULL |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | func_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#327 mim_interface_type

Description: MIMOSA Interface Type

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|-------------------------------------|
| interf_type_code | Included in composite primary key | UINT NOT NULL |
| dcat_type_code | Foreign key reference to Mim_Data_Cat_Type.dcat_type_code | UINT NOT NULL |
| supp_type_code | Foreign key reference to Mim_Support_Type.supp_type_code | UINT NOT NULL |
| func_type_code | Foreign key reference to Mim_Func_Type.func_type_code | UINT NOT NULL |
| tech_type_code | Foreign key reference to Mim_Tech_Type.tech_type_code | UINT NOT NULL |
| acc_type_code | Foreign key reference to Mim_Access_Type.acc_type_code | UINT NOT NULL |
| support_level | | USHORT NOT NULL |
| version_supported | | USHORT NOT NULL |
| subversion_supp | | USHORT NOT NULL |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | interf_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | mim_data_cat_type (dcat_type_code) | dcat_type_code |
| | mim_support_type (supp_type_code) | supp_type_code |
| | mim_func_type (func_type_code) | func_type_code |
| | mim_tech_type (tech_type_code) | tech_type_code |
| | mim_access_type (acc_type_code) | acc_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#329 mloc_type_child

Description: Measurement Location Type Child Entity

The mloc_type_child entity shows the parent-child relationships of measurement location types to each other. For example, measurement location type “Speed, Shaft, Input Shaft” is the child of measurement location type “Speed, Shaft” which is the child of measurement location type “Speed”. The model allows for more than one measurement location type to be the child of more than one measurement location type.

The mandatory ordering sequence specifies the order in which child measurement location types appear when an application requests “all children” of a particular measurement location type.

| Attribute | Description | Size/Type |
|--------------------|---|------------------------|
| ml_db_site | Foreign key reference to Meas_Loc_Type.ml_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ml_db_id | Foreign key reference to Meas_Loc_Type.ml_db_id, Included in composite primary key | UINT NOT NULL |
| ml_type_code | Foreign key reference to Meas_Loc_Type.ml_type_code, Included in composite primary key | UINT NOT NULL |
| child_ml_db_site | Foreign key reference to Meas_Loc_Type.ml_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| child_ml_db_id | Foreign key reference to Meas_Loc_Type.ml_db_id, Included in composite primary key | UINT NOT NULL |
| child_ml_type_code | Foreign key reference to Meas_Loc_Type.ml_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ml_db_site, ml_db_id, ml_type_code, child_ml_db_site, child_ml_db_id, | |

| | | |
|---------------------|--|--|
| | child_ml_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | meas_loc_type (ml_db_site, ml_db_id, ml_type_code) | ml_db_site, ml_db_id, ml_type_code |
| | meas_loc_type (ml_db_site, ml_db_id, ml_type_code) | child_ml_db_site, child_ml_db_id, child_ml_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#333 blob_content_type

Description: Blob Content Type Entity

This entity stores the content types of Binary Large Object Data for Segments, Assets, Models, Ordered Lists, and Work Requests.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| blct_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| blct_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| blc_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | blct_db_site, blct_db_id, blc_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | blct_db_site, blct_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#7 amb_set_type

Description: Ambiguity Set Type Entity

This entity stores the various types of ambiguity set logical expression formats.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| amb_set_db_site | Included in composite primary key | HEXSTRING(16) NOT NULL |
| amb_set_db_id | Included in composite primary key | UINT NOT NULL |
| amb_set_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | amb_set_db_site, amb_set_db_id, amb_set_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | amb_set_db_site, amb_set_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#8 log_connector_type

Description: Logical Connector Type Entity

This entity stores the various types of logical expression formats.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| lc_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| lc_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| lc_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| Rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | lc_db_site, lc_db_id, lc_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | lc_db_site, lc_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#9 ev_chr_data_type

Description: Segment/Asset Event or Alarm Character Data Type

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| ec_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ec_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| ec_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ec_db_site, ec_db_id, ec_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | ec_db_site, ec_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#10 mloc_num_data_type

Description: Measurement Location Numeric Data Type

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| mIn_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| mIn_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| mIn_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | mIn_db_site, mIn_db_id, mIn_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | mIn_db_site, mIn_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#11 mloc_chr_data_type

Description: Measurement Location Character Data Type

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| mlc_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| mlc_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| mlc_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | mlc_db_site, mlc_db_id, mlc_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | mlc_db_site, mlc_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#348 gps_datum_type

Description: GPS Datum Types Entity

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| datum_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| datum_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| datum_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| default_mnemonic | | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | datum_db_site, datum_db_id, datum_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | datum_db_site, datum_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#349 gps_precision_type

Description: GPS Precision Types

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------------------|
| precision_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| precision_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| precision_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| default_mnemonic | | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | precision_db_site, precision_db_id, precision_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | precision_db_site, precision_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#350 gps_elevation_type

Description: GPS Elevation Types Entity

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------------------|
| elevation_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| elevation_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| elevation_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) NOT NULL |
| default_mnemonic | | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | elevation_db_site, elevation_db_id, elevation_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | elevation_db_site, elevation_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#401 logistic_resource_type

Description: Logistic Resource Type Entity

This entity stores the various types of logistic resources – Material, Equipment, Tool, Document, Utility.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-----------------------|---|---|
| resource_type_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| resource_type_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| resource_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| <u>name</u> | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | resource_type_db_site, resource_type_db_id, resource_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | resource_type_db_site, resource_type_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

MIMOSA Entries

'0000000000000000', 0, 0, 'Undetermined'

'0000000000000000', 4, 1, 'Materiel'

'0000000000000000', 4, 2, 'Materiel, Consummable'

'0000000000000000', 4, 3, 'Materiel, Consummable, Lubricating Fluid'

'0000000000000000', 4, 30, 'Materiel, Consummable, Lubricating Fluid, New'
 '0000000000000000', 4, 31, 'Materiel, Consummable, Lubricating Fluid, Used'
 '0000000000000000', 4, 4, 'Materiel, Consummable, Fuel'
 '0000000000000000', 4, 5, 'Materiel, Part'
 '0000000000000000', 4, 6, 'Tool'
 '0000000000000000', 4, 7, 'Utility'
 '0000000000000000', 4, 8, 'Utility, Electricity'
 '0000000000000000', 4, 9, 'Utility, Electricity, DC'
 '0000000000000000', 4, 10, 'Utility, Electricity, AC'
 '0000000000000000', 4, 11, 'Utility, Air'
 '0000000000000000', 4, 12, 'Utility, Air, Compressed'
 '0000000000000000', 4, 13, 'Utility, H2O'
 '0000000000000000', 4, 14, 'Utility, H2O, Steam'
 '0000000000000000', 4, 15, 'Utility, H2O, Water'
 '0000000000000000', 4, 16, 'Utility, H2O, Water, Cold'
 '0000000000000000', 4, 17, 'Utility, H2O, Water, Hot'
 '0000000000000000', 4, 18, 'Utility, H2O, Ice'
 '0000000000000000', 4, 19, 'Utility, H2O, Ice, Dry'
 '0000000000000000', 4, 20, 'Document'
 '0000000000000000', 4, 21, 'Document, Manual'
 '0000000000000000', 4, 22, 'Document, Manual, Technical'
 '0000000000000000', 4, 23, 'Document, Manual, Technical, Paper'
 '0000000000000000', 4, 24, 'Document, Manual, Technical, Electronic'
 '0000000000000000', 4, 25, 'Document, Form'
 '0000000000000000', 4, 26, 'Document, Form, Paper'
 '0000000000000000', 4, 27, 'Document, Form, Electronic'
 '0000000000000000', 4, 28, 'Labour'
 '0000000000000000', 4, 29, 'Software'

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#581 logistic_resource_type_child

Description: Logistic Resource Type Child Entity

This entity shows the parent-child relationships structure of the logical taxonomy of logistic resource types - from the general to more specific. This entity will support various classification schemes as desired by different MIMOSA databases.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-----------------------------|---|------------------------|
| resource_type_db_site | Foreign key reference to Logistic_Resource_Type.resource_type_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| resource_type_db_id | Foreign key reference to Logistic_Resource_Type.resource_type_db_id, Included in composite primary key | UINT NOT NULL |
| resource_type_code | Foreign key reference to Logistic_Resource_Type.resource_type_code, Included in composite primary key | UINT NOT NULL |
| child_resource_type_db_site | Foreign key reference to Logistic_Resource_Type.resource_type_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| child_resource_type_db_id | Foreign key reference to Logistic_Resource_Type.resource_type_db_id, Included in composite primary key | UINT NOT NULL |
| child_resource_type_code | Foreign key reference to Logistic_Resource_Type.resource_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | resource_type_db_site, | |

| | | |
|---------------------|---|--|
| | resource_type_db_id, resource_type_code, child_resource_type_db_site, child_resource_type_db_id, child_resource_type_code | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | logistic_resource_type (resource_type_db_site, resource_type_db_id, resource_type_code) | resource_type_db_site, resource_type_db_id, resource_type_code |
| | logistic_resource_type (resource_type_db_site, resource_type_db_id, resource_type_code) | child_resource_type_db_site, child_resource_type_db_id, child_resource_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#402 mat_item_conn_type

Description: Materiel Item Connection Type Entity

This entity stores the valid connection the Materiel_Item entity may establish to determine additional information about the mterial/tool/document/utility classification (Asset_Type), material/equipment/tool/document product model (Model), material/equipment/tool/document/utility serialized instance (Asset), or materiel master record (Materiel_Master_Item) with which it is directly associated.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|-------------------------------------|
| mat_conn_type_code | Included in composite primary key | USHORT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | mat_conn_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

MIMOSA Entries

- 1, 'Asset_Type'
- 2, 'Model'
- 3 'Asset'
- 4, 'Materiel_Master_Item'

#403 resource_num_dat_type

Description: Resource Numeric Data Type Entity

This entity will define all the numeric data related to a resource.

Note: MIMOSA maintains the site zero (rsn_type_db_site = “0000000000000000”) entries in this entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| rsn_type_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| rsn_type_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| rsn_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| default_ru_type | | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | rsn_type_db_site, rsn_type_db_id, rsn_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | rsn_type_db_site, rsn_type_db_id |
| | ref_unit_type (ru_type_code) | default_ru_type |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#404 resource_chr_dat_type

Description: Resource Character Data Type Entity

This entity defines all the alpha-numeric character data related to a resource.

Note: MIMOS maintains the site zero (rsc_type_db_site = “0000000000000000”) in this entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| rsc_type_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| rsc_type_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| rsc_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| default_ru_type | Foreign key reference to Ref_Unit_Type.ru_type_code | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | rsc_type_db_site, rsc_type_db_id, rsc_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | rsc_type_db_site, rsc_type_db_id |
| | ref_unit_type (ru_type_code) | default_ru_type |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#462 ord_list_num_dat_type

Description: Ordered List Numeric Data Type Entity

This entity will define all the numeric data related to an ordered list.

Note: MIMOSA maintains the site zero (ordn_db_site = “0000000000000000”) entries in this entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| ordn_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ordn_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| ordn_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| default_ru_type | Foreign key reference to Ref_Unit_Type.ru_type_code | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ordn_db_site, ordn_db_id, ordn_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | ordn_db_site, ordn_db_id |
| | ref_unit_type (ru_type_code) | default_ru_type |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#463 ord_list_chr_dat_type

Description: Ordered List Character Data Type Entity

This entity will define all the character data related to an ordered list.

Note: MIMOSA maintains the site zero (ordc_db_site = “0000000000000000”) entries in this entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| ordc_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ordc_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| ordc_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| default_ru_type | Foreign key reference to Ref_Unit_Type.ru_type_code | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ordc_db_site, ordc_db_id, ordc_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | ordc_db_site, ordc_db_id |
| | ref_unit_type (ru_type_code) | default_ru_type |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#467 ordered_list_type

Description: Ordered List Type Entity

This entity stores the various type of Ordered Lists, including both ones used for monitoring and for resources (Bill of Mateiel, Bill of Tools, Bill of Labour, Inventory List, Equipment List)

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-----------------------|---|---|
| ord_list_type_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_type_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_type_db_site, ord_list_type_db_id, ord_list_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | ord_list_type_db_site, ord_list_type_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

MIMOSA Entries

'0000000000000000', 0, 0, 'Undetermined'

'0000000000000000', 4, 1, 'Route'

'0000000000000000', 4, 2, 'Route, Measurement Locations'

'0000000000000000', 4, 3, 'List'
'0000000000000000', 4, 4, 'List, Binary Data'
'0000000000000000', 4, 5, 'Bill of Resources (For Combinations of Materiel, Tools, Utilities, Documents, Labour, Software)'
'0000000000000000', 4, 6, 'Bill of Materiel (BOM)'
'0000000000000000', 4, 7, 'Bill of Tools (BOT)'
'0000000000000000', 4, 8, 'Bill of Utilities (BOU)'
'0000000000000000', 4, 9, 'Bill of Documents (BOD)'
'0000000000000000', 4, 10, 'Bill of Labour (BOL)'
'0000000000000000', 4, 11, 'Bill of Software (BOS)'

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#468 test_type

Description: Test Type Entity

This entity stores the various types of Tests

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|--|
| test_type_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| test_type_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| test_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | test_type_db_site, test_type_db_id, test_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | ord_list_type_db_site, ord_list_type_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

MIMOSA Entries

'0000000000000000',0,0,'Undetermined'
 '0000000000000000',1,1,'Particle',
 '0000000000000000',1,2,'Ferrogaphy'
 '0000000000000000',1,3,'Ferrogaphy, Direct Read'

'0000000000000000',1,4,'Ferrography, Analytical'
'0000000000000000',1,5,'Ferrography, Analytical, Heat Treatment'
'0000000000000000',1,6,'Ferrography, Analytical, Caustic Treatment'
'0000000000000000',1,7,'Particle, Mesh Obscuration (Pressure Differential)'
'0000000000000000',1,8,'Particle, Pore-blockage (Flow Decay)'
'0000000000000000',1,9,'Particle, Light Extinction'
'0000000000000000',1,10,'Particle, Light Scattering'
'0000000000000000',1,11,'Particle, Ferromagnetic Sensor'
'0000000000000000',1,12,'Particle, All-Metal Debris Sensor'
'0000000000000000',1,13,'Particle, Graded Filtration'
'0000000000000000',1,14,'Particle, Magnetic Chip'
'0000000000000000',1,15,'Particle, Blot'
'0000000000000000',1,16,'Particle, Patch'
'0000000000000000',1,17,'Particle, Sediment'
'0000000000000000',1,18,'Particle, Sediment, ASTM D-1698'
'0000000000000000',1,19,'Particle, Light Detection and Ranging (LIDAR)'
'0000000000000000',1,20,'Particle, Human Detector'
'0000000000000000',1,21,'Chemical'
'0000000000000000',1,22,'Atomic Emission (AE)'
'0000000000000000',1,23,'Atomic Emission (AE), Spectroscopy'
'0000000000000000',1,24,'Atomic Emission (AE), Rotating Disk Electrode'
'0000000000000000',1,25,'Atomic Emission (AE), Inductively Coupled Plasma(ICP)'
'0000000000000000',1,26,'Atomic Absorption (AA)'
'0000000000000000',1,27,'Atomic Absorption (AA), Spectroscopy'
'0000000000000000',1,28,'X-Ray'
'0000000000000000',1,29,'X-Ray, Fluorescence'
'0000000000000000',1,30,'X-Ray, Fluorescence, Spectroscopy'
'0000000000000000',1,31,'X-Ray, Energy Dispersive'
'0000000000000000',1,32,'X-Ray, Energy Dispersive, Spectroscopy'
'0000000000000000',1,33,'Dielectric Strength'
'0000000000000000',1,34,'Dielectric Strength, ASTM D-877'
'0000000000000000',1,35,'Dielectric Strength, ASTM D-1816'
'0000000000000000',1,36,'Interfacial Tension'
'0000000000000000',1,37,'Interfacial Tension, ASTM D-971'
'0000000000000000',1,38,'Differential Absorption Light Detection and Ranging (DIAL)'
'0000000000000000',1,39,'Infrared'
'0000000000000000',1,40,'Infrared, Fourier Transform (FT-IR)'
'0000000000000000',1,41,'Gas Chromatography'
'0000000000000000',1,42,'Ultra-violet/Visible Light Absorption'
'0000000000000000',1,43,'Ultra-violet/Visible Light Absorption, Spectroscopy',
'0000000000000000',1,44,'Thin-Layer Radioactive Decay'
'0000000000000000',1,45,'Scanning Electron Microscopy (SEM)'
'0000000000000000',1,46,'Electro-chemical Corrosion'
'0000000000000000',1,47,'Exhaust Emission'
'0000000000000000',1,48,'Acidity/Alkalinity'
'0000000000000000',1,49,'pH'
'0000000000000000',1,50,'Color Indicator Titration'
'0000000000000000',1,51,'Color Indicator Titration, ASTM D974'
'0000000000000000',1,52,'Potentiometric Titration'
'0000000000000000',1,53,'Potentiometric Titration, Total Acid'
'0000000000000000',1,54,'Potentiometric Titration, Total Acid, ASTM D664',
'0000000000000000',1,55,'Potentiometric Titration, Total Base'
'0000000000000000',1,56,'Potentiometric Titration, Total Base, ASTM D2896',
'0000000000000000',1,57,'Power Factor'
'0000000000000000',1,58,'Power Factor, ASTM D-924'
'0000000000000000',1,59,'Moisture'

'0000000000000000',1,60,'Karl Fischer Titration'
'0000000000000000',1,61,'Karl Fischer Titration, ASTM D-1744'
'0000000000000000',1,62,'Vapor Induced Scintillation'
'0000000000000000',1,63,'Crackle'
'0000000000000000',1,64,'Crackle, Human Detector'
'0000000000000000',1,65,'Crackle, Audio Detector'
'0000000000000000',1,66,'Clear and Bright'
'0000000000000000',1,67,'Color'
'0000000000000000',1,68,'Color, Human Detector'
'0000000000000000',1,69,'Color, ASTM D-1524'
'0000000000000000',1,70,'Odor'
'0000000000000000',1,71,'Odor, Human Detector'
'0000000000000000',1,72,'Viscosity'
'0000000000000000',1,73,'Viscosity, Absolute/Dynamic'
'0000000000000000',1,74,'Viscosity, Pour Point'
'0000000000000000',1,75,'Viscosity, Kinematic'
'0000000000000000',1,76,'Viscosity, Kinematic, ASTM D-445'
'0000000000000000',1,77,'Viscosity, Relative'
'0000000000000000',1,78,'Viscosity, Falling Ball Comparator'
'0000000000000000',1,79,'Flame Resistance'
'0000000000000000',1,80,'Flash Point'

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#469 test_comp_type

Description: Test Component Type Entity

This entity stores the various types of Test Components, which are the resulting categories of data which result from performing a Test

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| tc_type_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| tc_type_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| tc_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | tc_type_db_site, tc_type_db_id, tc_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | tc_type_db_site, tc_type_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

MIMOSA Entries

'0000000000000000',0,0,'Undetermined','Undetermined'
 '0000000000000000',4,1,'VISC @40C','Viscosity @40 Degrees C.'
 '0000000000000000',4,2,'VISC @100C','Viscosity @100 Degrees C.'

'0000000000000000',4,3,'VISC @100F','Viscosity @100 Degrees F.'
'0000000000000000',4,4,'VISC #210F','Viscosity @210 Degrees F.'
'0000000000000000',4,5,'ISO VG','Viscosity ISO Grade'
'0000000000000000',4,6,'VI','Viscosity Index'
'0000000000000000',4,7,'TAN','Total Acid Number'
'0000000000000000',4,8,'TBN','Total Base Number'
'0000000000000000',4,9,'Water','Water Concentration'
'0000000000000000',4,10,'Diesel','Diesel Fuel Concentration'
'0000000000000000',4,11,'Gasoline','Gasoline Fuel Concentration'
'0000000000000000',4,12,'Jet Fuel','Jet Fuel Concentration'
'0000000000000000',4,13,'Oxidation','Oxidation Concentration'
'0000000000000000',4,14,'Nitration','Nitration Concentration'
'0000000000000000',4,15,'Sulphation','Sulphation Concentration'
'0000000000000000',4,16,'Antioxidant','Antioxidant Concentration'
'0000000000000000',4,17,'Antiwear','Antiwear/Antioxidant Concentration'
'0000000000000000',4,18,'Glycol','Glycol Concentration'
'0000000000000000',4,19,'Soot','Soot and Insolubles Concentration'
'0000000000000000',4,20,'Freon','Freon Concentration'
'0000000000000000',4,21,'ISO Code R2','ISO Cleanliness Code, R2'
'0000000000000000',4,22,'ISO Code R5','ISO Cleanliness Code, R5'
'0000000000000000',4,23,'ISO Code R15','ISO Cleanliness Code, R15'
'0000000000000000',4,24,'NAS 5 - 15','NAS Cleanliness Code, 5 to 15 micrometers'
'0000000000000000',4,25,'NAS 15 - 25','NAS Cleanliness Code, 15 to 25 micrometers'
'0000000000000000',4,26,'NAS 25 - 50','NAS Cleanliness Code, 25 to 50 micrometers'
'0000000000000000',4,27,'NAS 50 - 100','NAS Cleanliness Code, 50 to 100 micrometers'
'0000000000000000',4,28,'NAS > 100','NAS Cleanliness Code, Over 100 micrometers'
'0000000000000000',4,29,',','Particle Size, Channel 1, Minimum'
'0000000000000000',4,30,',','Particle Size, Channel 1, Maximum,'
'0000000000000000',4,31,',','Particle Count, Channel 1, Per Milliliter'
'0000000000000000',4,32,',','Particle Count, Channel 1, Per 100 Milliliters'
'0000000000000000',4,33,',','Particle Size, Channel 2, Minimum'
'0000000000000000',4,34,',','Particle Size, Channel 2, Maximum'
'0000000000000000',4,35,',','Particle Count , Channel 2, Particle Count Per Milliliter'
'0000000000000000',4,36,',','Particle Count , Channel 2, Particle Count Per 100 Milliliters'
'0000000000000000',4,37,',','Particle Size, Channel 3, Minimum'
'0000000000000000',4,38,',','Particle Size, Channel 3, Maximum'
'0000000000000000',4,39,',','Particle Count, Channel 3, Per Milliliter'
'0000000000000000',4,40,',','Particle Count, Channel 3, Per 100 Milliliters'
'0000000000000000',4,41,',','Particle Size, Channel 4, Minimum'
'0000000000000000',4,42,',','Particle Size, Channel 4, Maximum'
'0000000000000000',4,43,',','Particle Count, Channel 4, Per Milliliter'
'0000000000000000',4,44,',','Particle Count, Channel 4, Per 100 Milliliters'
'0000000000000000',4,45,',','Particle Size, Channel 5, Minimum'
'0000000000000000',4,46,',','Particle Size, Channel 5, Maximum'
'0000000000000000',4,47,',','Particle Count, Channel 5, Per Milliliter'
'0000000000000000',4,48,',','Particle Count, Channel 5, Per 100 Milliliters'
'0000000000000000',4,49,',','Particle Size, Channel 6, Minimum'
'0000000000000000',4,50,',','Particle Size, Channel 6, Maximum'
'0000000000000000',4,51,',','Particle Count, Channel 6, Per Milliliter'
'0000000000000000',4,52,',','Particle Count, Channel 6, Per 100 Milliliters'
'0000000000000000',4,53,',','Particle Size, Channel 7, Minimum'
'0000000000000000',4,54,',','Particle Size, Channel 7, Maximum'
'0000000000000000',4,55,',','Particle Count, Channel 7, Per Milliliter'
'0000000000000000',4,56,',','Particle Count, Channel 7, Per 100 Milliliters'
'0000000000000000',4,57,',','Water Concentration'
'0000000000000000',4,58,',','Water Concentration, Less Than Amount'

'0000000000000000',4,59,"Water Concentration, Greater Than Amount'
'0000000000000000',4,60,"Water Present Positive/Negative Flag'
'0000000000000000',4,61,"Karl Fisher Moisture Test Result'
'0000000000000000',4,62,'Fe','Iron Concentration'
'0000000000000000',4,63,'Ni','Nickel Concentration'
'0000000000000000',4,64,'Ag','Silver Concentration'
'0000000000000000',4,65,'K','Potassium Concentration'
'0000000000000000',4,66,'B','Boron Concentration'
'0000000000000000',4,67,'Cr','Chromium Concentration'
'0000000000000000',4,68,'Si','Silicon Concentration'
'0000000000000000',4,69,'Pb','Lead Concentration'
'0000000000000000',4,70,'Na','Sodium Concentration'
'0000000000000000',4,71,'Cu','Copper Concentration'
'0000000000000000',4,72,'Mb','Molybdenum Concentration'
'0000000000000000',4,73,'Ca','Calcium Concentration'
'0000000000000000',4,74,'Zn','Zinc Concentration'
'0000000000000000',4,75,'P','Phosphorus Concentration'
'0000000000000000',4,76,'Sn','Tin Concentration'
'0000000000000000',4,77,'Al','Aluminum Concentration'
'0000000000000000',4,78,'Ba','Barium Concentration'
'0000000000000000',4,79,'V','Vanadium Concentration'
'0000000000000000',4,80,'Ti','Titanium Concentration'
'0000000000000000',4,81,'Cd','Cadmium Concentration'
'0000000000000000',4,82,'Mg','Magnesium Concentration'
'0000000000000000',4,83,"PQ90 Result'
'0000000000000000',4,84,"Tribometric Result'
'0000000000000000',4,85,"Large Particle Size, Minimum'
'0000000000000000',4,86,"Large Particle Size, Maximum'
'0000000000000000',4,87,'DL','Density, Large Particles'
'0000000000000000',4,88,"Small Particle Size, Minimum'
'0000000000000000',4,89,"Small Particle Size, Maximum'
'0000000000000000',4,90,'DS','Density, Small Particles'
'0000000000000000',4,91,'WPC','Wear Particle Concentration'
'0000000000000000',4,92,'PLP','Percent Large Particles'
'0000000000000000',4,93,"Ferrogram Score, Normal Wear'
'0000000000000000',4,94,"Ferrogram Score, Severe Wear'
'0000000000000000',4,95,"Ferrogram Score, Cutting Wear'
'0000000000000000',4,96,"Ferrogram, Sphericals'
'0000000000000000',4,97,"Ferrogram 100 Point Score, Red Oxides'
'0000000000000000',4,98,"Ferrogram 100 Point Score, Dark Oxides'
'0000000000000000',4,99,"Ferrogram 100 Point Score, Non-Ferrous Material'
'0000000000000000',4,100,"Ferrogram 100 Point Score, Silica/Dirt/Debris'
'0000000000000000',4,101,"Ferrogram 100 Point Score, Fibers'
'0000000000000000',4,102,"Ferrogram 100 Point Score, Plastics/Ceramics'
'0000000000000000',4,103,"Ferrogram 100 Point Score, Friction Polymers'
'0000000000000000',4,104,"Ferrogram 100 Point Score, Carbon/Soot'
'0000000000000000',4,105,"pH'
'0000000000000000',4,106,"pH, Aqueous'
'0000000000000000',4,107,"Dielectric Breakdown, D1816, KV Average'
'0000000000000000',4,108,"Dielectric Breakdown, D1816, KV Standard Deviation'
'0000000000000000',4,109,"Dielectric Breakdown, D877, KV Average'
'0000000000000000',4,110,"Dielectric Breakdown, D877, KV Standard Deviation'
'0000000000000000',4,111,"Dielectric Breakdown, D877, Relative Standard Deviation'
'0000000000000000',4,112,"Ferrous Particle Count, > 10 microns Per Milliliter'
'0000000000000000',4,113,"Ferrous Particle Percentage, > 10 microns Per Milliliter'
'0000000000000000',4,114,"Flash Point Temperature, 250 Milliliter Volume'

'0000000000000000',4,115,",'Pour Point Temperature'
'0000000000000000',4,116,",'Magnification Multiple (X)'
'0000000000000000',4,117,'Mn','Manganese Concentration'
'0000000000000000',4,118,'Sb','Antimony Concentration'
'0000000000000000',4,119,'As','Arsenic Concentration'
'0000000000000000',4,120,'Ba','Barium Concentration'
'0000000000000000',4,121,'Co','Cobalt Concentration'
'0000000000000000',4,122,'Wear Debris Image','Wear Debris Image'
'0000000000000000',4,123,'Wear Debris Image','Wear Debris Image, Bi-chromatic Microscopic'
'0000000000000000',4,124,",'Wear Debris Image, Scanning Electron Microscopic'

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#470 test_comp_group_type

Description: Test Component Group Type Entity

This entity stores the various types of component test groups.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| tcg_type_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| tcg_type_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| tcg_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | tcg_type_db_site, tcg_type_db_id, tcg_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | tcg_type_db_site, tcg_type_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

MIMOSA Entries

#486 criticality_scale_type

Description: Criticality Scale Type Entity

This entity stores the minimum and maximum range values for criticality.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| cs_type_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| cs_type_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| cs_type_code | Included in composite primary key | UINT NOT NULL |
| min_value | | INT NOT NULL |
| max_value | | INT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | cs_type_db_site, cs_type_db_id, cs_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | cs_type_db_site, cs_type_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

MIMOSA Entries

'0000000000000000', 4, 1, 0, 10, '10 Point Scale', 'Criticality Scale from 0 – 10 (10=maximum)'
 0000000000000000', 4, 2, 0, 100, '100 Point Scale', 'Criticality Scale from 0 – 100 (100=maximum)'

#492 eng_study_type

Description: Engineering Study Type Entity

This entity stores the various categories of entries for the Engineering Study Type Entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------------|---|---|
| eng_study_type_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| eng_study_type_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| eng_study_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | eng_study_type_db_site, eng_study_type_db_id, eng_study_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | eng_study_type_db_site, eng_study_type_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

MIMOSA Entries

'0000000000000000', 0, 0, 'Undetermined'
 '0000000000000000', 4, 1, 'Classification'
 '0000000000000000', 4, 2, 'Problem'
 '0000000000000000', 4, 3, 'Failure Group'
 '0000000000000000', 4, 4, 'Cause'
 '0000000000000000', 4, 5, 'Remedy'

#491 eng_study_code

Description: Engineering Study Code Entity

This entity stores the various codes of entries for the Engineering Study Code Entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------------|---|---|
| eng_study_code_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| eng_study_code_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| eng_study_code_id | Included in composite primary key | UINT NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| description | | STRING(0:254) |
| long_description | | STRING(0:254) |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | eng_study_code_db_site, eng_study_code_db_id, eng_study_code_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | eng_study_code_db_site, eng_study_code_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

MIMOSA Entries

0000000000000000', 0, 0, 'Undetermined'

#493 eng_study_entry

Description: Engineering Study Entry Entity

This entity holds information about database-specific reliability-related entries which connect a Engineering Study Type with an Engineering Study Code, supports a single parent/multiple child hierarchical relationship, and optionally connects to a Sg_As_Event_Type definition, where applicable.

| Attribute | Description | Size/Type |
|-------------------------|--|------------------------|
| eng_study_entry_db_site | Included in composite primary key | HEXSTRING(16) NOT NULL |
| eng_study_entry_db_id | Included in composite primary key | UINT NOT NULL |
| eng_study_entry_id | Included in composite primary key | UINT NOT NULL |
| eng_study_type_db_site | Foreign key reference to Eng_Study_Type.eng_study_type_db_site | HEXSTRING(16) NOT NULL |
| eng_study_type_db_id | Foreign key reference to Eng_Study_Type.eng_study_type_db_id | UINT NOT NULL |
| eng_study_type_code | Foreign key reference to Eng_Study_Type.eng_study_type_code | UINT NOT NULL |
| eng_study_code_db_site | Foreign key reference to Eng_Study_Code.eng_study_code_db_site | HEXSTRING(16) NOT NULL |
| eng_study_code_db_id | Foreign key reference to Eng_Study_Code.eng_study_code_db_id | UINT NOT NULL |
| eng_study_code_id | Foreign key reference to Eng_Study_Code.eng_study_code_id | UINT NOT NULL |
| parent_db_site | Foreign key reference to Eng_Study_Entry.eng_study_entry_db_site | HEXSTRING(16) |
| parent_db_id | Foreign key reference to Eng_Study_Entry.eng_study_entry_db_id | UINT |
| parent_id | Foreign key reference to Eng_Study_Entry.eng_study_entry_id | UINT |
| ev_db_site | Foreign key reference to Sg_As_Event_Type.ev_db_site | HEXSTRING(16) |
| ev_db_id | Foreign key reference to Sg_As_Event_Type.ev_db_id | UINT |
| event_type_code | Foreign key reference to Sg_As_Event_Type.event_type_code | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to | HEXSTRING(16) |

| | | |
|---------------------|---|---|
| | Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | eng_study_entry_db_site, eng_study_entry_db_id, eng_study_entry_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | eng_study_type (eng_study_type_db_site, eng_study_type_db_id, eng_study_type_code) | eng_study_type_db_site, eng_study_type_db_id, eng_study_type_code |
| | eng_study_code (eng_study_code_db_site, eng_study_code_db_id, eng_study_code_id) | eng_study_code_db_site, eng_study_code_db_id, eng_study_code_id |
| | eng_study_entry (eng_study_entry_db_site, eng_study_entry_db_id, eng_study_entry_id) | parent_db_site, parent_db_id, parent_id |
| | sg_as_event_type (ev_db_site, ev_db_id, event_type_code) | ev_db_site, ev_db_id, event_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#562 network_conn_type

Description: Network Connection Type Entity

This entity stores the various categories of entries for segment or asset directed connections which then compose Networks.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-----------------------|---|---|
| net_conn_type_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| net_conn_type_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| net_conn_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| description | | STRING(0:254) |
| long_description | | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | net_conn_type_db_site, net_conn_type_db_id, net_conn_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | net_conn_type_db_site, net_conn_type_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

MIMOSA Entries

'0000000000000000', 0, 0, 'Undetermined'

'0000000000000000', 4, 1, 'Backup'

#571 standard_data_type

Description: Standard Data Type Entity

This entity is MIMOSA managed and contains standard Data Types for use in the Binary_num_data entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|-------------------------------------|
| std_data_type_code | Included in composite primary key | USHORT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | std_data_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

MIMOSA Entries

- 1, 'IEEE 1-byte Unsigned Integer'
- 2, 'IEEE 1-byte Signed Integer '
- 3, 'IEEE 2-byte Unsigned Integer, low-order byte first'
- 4, 'IEEE 2-byte Signed Integer, low-order byte first'
- 5, 'IEEE 4-byte Unsigned Integer, low-order byte first'
- 6, 'IEEE 4-byte Signed Integer, low-order byte first'
- 7, 'IEEE 6-byte Unsigned Integer, low-order byte first'
- 8, 'IEEE 6-byte Signed Integer, low-order byte first'
- 9, 'IEEE 8-byte Unsigned Integer, low-order byte first'
- 10, 'IEEE 8-byte Signed Integer, low-order byte first'
- 11, 'IEEE 4-byte Real, low-order byte first'
- 12, 'IEEE 8-byte Real, low-order byte first'

#576 network_num_dat_type

Description: Network Numeric Data Type Entity

This entity will define all the numeric data related to a network.

Note: MIMOSA maintains the site zero (rsn_type_db_site = “0000000000000000”) entries in this entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| nn_type_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| nn_type_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| nn_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| default_ru_type | Foreign key reference to Ref_Unit_Type.ru_type_code | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | nn_type_db_site, nn_type_db_id, nn_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | nn_type_db_site, nn_type_db_id |
| | ref_unit_type (ru_type_code) | default_ru_type |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#577 network_chr_dat_type

Description: Network Character Data Type Entity

This entity defines all the alpha-numeric character data related to a network.

Note: MIMOSA maintains the site zero (rsc_type_db_site = “0000000000000000”) in this entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| nc_type_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| nc_type_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| nc_type_code | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| default_ru_type | Foreign key reference to Ref_Unit_Type.ru_type_code | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | nc_type_db_site, nc_type_db_id, nc_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | nc_type_db_site, nc_type_db_id |
| | ref_unit_type (ru_type_code) | default_ru_type |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

Enterprise Entities

#2 enterprise

Description: Enterprise Entity

The corporate level of an organization, or the top organizational structure of a non-profit or military body. Each **Enterprise** is associated with exactly one **Enterprise Type**. An enterprise uniquely assigns **MIMOSA Site Codes** to new **Sites** ("births" Sites) and may control one or more **Sites** (which could have formerly been controlled by other enterprises).

In order for multiple enterprises to exchange MIMOSA information, every **Enterprise** must request and utilize its unique, unchanging **MIMOSA Enterprise Code**. The **MIMOSA Enterprise Code** is the MIMOSA-assigned unique identifier of an **Enterprise**. The column "enterprise_id" stores this code – a globally-unique, non-negative, non-repeating integer assigned to an **Enterprise** through the MIMOSA Enterprise Code Registry Service. MIMOSA has assigned itself the enterprise code of "0".

Note: The gmt_last_updated attribute is in every entity to store the date the row was inserted or last updated (whichever is the most recent event).

Note: All gmt fields are in UTC, Coordinated Universal Time (also called Greenwich Mean Time) in the ISO 8601 DATETIME(19:29) format YYYY-MM-DDTHH:MM:SS.FFFFFFFF in 24-hour format like:

1995-02-27T18:01:03.500000000

which is equivalent to 27-Feb-1995 6:01 PM at 3.5 seconds.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|------------------------|
| enterprise_id | MIMOSA-assigned MIMOSA Enterprise Code, Included in composite primary key | UINT NOT NULL |
| ent_db_site | Foreign key reference to Enterprise_Type.ent_db_site | UINT NOT NULL |
| ent_db_id | Foreign key reference to Enterprise_Type.ent_db_id | UINT NOT NULL |
| ent_type_code | Foreign key reference to Enterprise_Type.ent_type_code | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(1:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |

| | | |
|---------------------|---|---------------------------------------|
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | enterprise_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | enterprise_type (ent_db_site, ent_db_id, ent_type_code) | ent_db_site, ent_db_id, ent_type_code |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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Site Entities

#13 site

Description: Site Entity

A **Site** is an enterprise-defined object (manufacturing plant, office facility, large fleet object [aircraft carrier]) which is responsible to uniquely register **Assets, Agents, Databases, Measurement Locations** which need to be "birthed" with MIMOSA Codes. **Sites** are also required to generate unique **MIMOSA Segment Codes** for functional **Segments** which provide breakdown structures related to a **Site**, a **Model**, an **Asset**, or an **Agent**. Each **Site** is associated with exactly one **Site Type**. For facility applications, the "Site" normally represents a tangible as-built building. For industrial and manufacturing applications, this entity normally represents a physical plant. For fleet applications, this entity normally represents operating depots or other facilities which manage a fleet of objects (trucks, tanks, aircraft, etc). In some cases the site may be the entire mobile object, such as an aircraft carrier or cruise ship.

The **MIMOSA Site Code** (column "site_code") is the **Enterprise**-assigned unique identifier of a **Site**. Because of multiple methodologies for site/plant/platform identification in different industries and in various computer systems, a **Site** will often need to be associated with many identifiers relevant to the **Site** because they are the site's "unique key" for various databases. These identifiers may change as a **Site** is sold, transferred, or its role changes in relationship to multiple other **Sites** or **Enterprises**. Because of this requirement, MIMOSA CRIS-compliant systems require that a **Site** be permanently assigned one and only one **MIMOSA Site Code** (represented by a fixed-length 16-character hexadecimal string) which is composed of the birth **MIMOSA Enterprise Code** (represented by a fixed-length 8-character hexadecimal string) concatenated with a site-unique, non-negative integer **site_id** (also represented by a fixed-length 8-character hexadecimal string). This **MIMOSA Site Code** (**MIMOSA Enterprise Code** + "site_id") normally does not have any external end-user meaning, but is the vital link for all MIMOSA-compliant systems to properly integrate and associate information to the correct **Site**. The identical **MIMOSA Site Code** must remain permanently-unique for the life-time of the **Site**, even though it will most likely have additional temporarily-unique identifier tags assigned to the **Site** by various systems.

Each enterprise is free to assign **site_id**'s in the range from 0 – 4,294,967,295 (Hex "00000000" – "FFFFFFFF"). Once this assignment has been made, the number should not be changed.

The site's **user_tag_ident** attribute is the user identification tag which is an alpha-numeric string which should be unique for each site in an enterprise.

Some sites may be logical sites used as a design template for physical **Site instances**. The **template_yn** attribute is used to define whether or not a particular Site instance is to be used as a template.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|------------------------|
| site_code | The MIMOSA Site Code which combines the MIMOSA Enterprise Code and the site_id (both 4-byte non-negative integers) into a globally unique, fixed-length 16-character string. The first 8-characters represent the hex value of the 4-byte non-negative MIMOSA Enterprise Code. The second 8-characters represent the hex value of the 4-byte non- | HEXSTRING(16) NOT NULL |

| | | |
|---------------------|--|------------------------|
| | negative site_id integer assigned by the birth enterprise registration authority. Included in composite primary key | |
| enterprise_id | This is a FK to the enterprise which currently controls this site. It may or may not be the original birth enterprise GUID which was permanently associated with the site_code above. If a site is acquired by a new enterprise, this field will change to match the new enterprise id. Foreign key reference to Enterprise.enterprise_id | UINT NOT NULL |
| site_id | For informational use only to reduce the parsing required in the site_code to extract. Once assigned, this field should never change. It is the 4-byte non-negative site integer unique to the enterprise, assigned by the original birth enterprise registration authority and should always match the value represented by the 8 right-most hex characters in the site_code attribute above. | UINT NOT NULL |
| st_db_site | Foreign key reference to Site_Type.st_db_site | UINT NOT NULL |
| st_db_id | Foreign key reference to Site_Type.st_db_id | UINT NOT NULL |
| st_type_code | Foreign key reference to Site_Type.st_type_code | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(1:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| duns_number | D-U-N-S number for the site, where relevant | UINT |
| template_yn | If set to 'Y', identifies that a particular Site entry is a template Site | STRING(1) |
| segment_site | Foreign key reference to Segment.segment_site | HEXSTRING(16) |
| segment_id | Foreign key reference to Segment.segment_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |

| | | |
|---------------------|--|------------------------------------|
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | site_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_type (st_db_site, st_db_id, st_type_code) | st_db_site, st_db_id, st_type_code |
| | enterprise (enterprise_id) | enterprise_id |
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | row_status_type(rstat_type_cod) | rstat_type_code |
| | | |
| <u>Check</u> | <u>Attribute</u> | <u>Value Range</u> |
| | template_yn | 'Y','N' |

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Database Entities

#15 site_database

Description: Site Database Entity

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-----------------------|---|----------------------------------|
| db_site | MIMOSA Site Code for the database (first part of the unique MIMOSA Database Code), Included in composite primary key. Foreign key reference to Site.site_code | HEXSTRING(16) NOT NULL |
| db_id | Site-unique integer for this database at the site (second part of the unique MIMOSA Database Code), Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| asset_org_site | Foreign key reference to Asset.asset_org_site | HEXSTRING(16) |
| asset_id | Foreign key reference to Asset.asset_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| mf_db_site | Foreign key reference to Manufacture.mf_db_site (Obsolete) | HEXSTRING(16) |
| mf_db_id | Foreign key reference to Manufacture.mf_db_id (Obsolete) | UINT |
| manuf_code | Foreign key reference to Manufacture.manuf_code (Obsolete) | UINT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | db_site, db_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site (site_code) | db_site |
| | manufacturer (mf_db_site, mf_db_id, manuf_code) | mf_db_site, mf_db_id, manuf_code |
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

#328 db_mim_interface

Description: MIMOSA Interfaces Supported By A Database

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|-------------------------------------|
| db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| interf_type_code | Foreign key reference to Mim_Interface_Type.interf_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_snap_refresh | Timestamp of last refresh date, if applicable | DATETIME(19:29) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | db_site, db_id, interf_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | db_site, db_id |
| | mim_interface_type (interf_type_code) | interf_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#481 valid_as_type_on_sg_type

Description: Valid Asset Types Which Can Be Utilized On Segment Types For a Given Database

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| as_db_site | Foreign key reference to AssetType.as_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_db_id | Foreign key reference to Asset_Type.as_db_id, Included in composite primary key | UINT NOT NULL |
| as_type_code | Foreign key reference to Asset_Type.as_type_code, Included in composite primary key | UINT NOT NULL |
| sg_db_site | Foreign key reference to Segment_Type.sg_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_db_id | Foreign key reference to Segment_Type.sg_db_id, Included in composite primary key | UINT NOT NULL |
| sg_type_code | Foreign key reference to Segment_Type.sg_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |

| | | |
|---------------------|--|---------------------------------------|
| | db_site, db_id, as_db_site, as_db_id, as_type_code, sg_db_site, sg_db_id, sg_type_code | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | db_site, db_id |
| | asset_type (as_db_site, as_db_id, as_type_code) | as_db_site, as_db_id, as_type_code |
| | segment_type (sg_db_site, sg_db_id, sg_type_code) | sg_db_site, sg_db_id, sg_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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Segment Entities

#18 segment

Description: Segment Entity

A **Segment (Service Segment/Functional Location/Work Breakdown Structure Entry)** is a birthed by a **Site**. Each **Segment** is associated with exactly one **Segment Type**. MIMOSA supports all ISA-95 and ISA-88 defined Equipment Types. A **Segment** is a defined entity (node) of a directed graph (digraph), which is represented in the **Segment_Child** entity. A **Model** may be associated with one **Segment** node which points to the "parent" node in the **Segment_Child** digraph which contains its "as-designed" systems/functions. An **Asset** and an **Agent** may also be associated with one **Segment** node to point to the "parent" node in the **Segment_Child** digraph which contains their "as-maintained" systems/functions. Types of **Segments** includes enterprises (for enterprise-level monitoring or work assignments), sites (for site-level monitoring or work/assignments), platforms, facilities, production processes, process inputs and outputs, physical structures, systems, sub-systems, machine trains, mechanical devices, and mechanical device areas. Many of these segments appear on the engineering drawings of the model facility/platform. Each **Segment** may have one or more serialized **Assets** utilized/installed on/at it at a given time (see CRIS Entity #44 (Asset_On_Segment)). **Segments**, **Assets**, and **Ordered Lists** are the only entities where work can be performed. A **Segment** can be monitored via **Measurement Locations**.

The **MIMOSA Segment Code** is the **Site**-assigned unique identifier of a **Segment**. Because of multiple methodologies for serialized asset/component tracking identification in different industries and in various computer systems, a **Segment** will often need to be associated with many identifiers relevant to the **Segment** because they are the segment's "unique key" for various databases. Because of this requirement, MIMOSA-compliant systems require that a **Segment** be permanently assigned one and only one **MIMOSA Segment Code** which is composed of the associated **MIMOSA Site Code** (in CRIS, the "segment_site") concatenated with a site-unique, non-negative integer (in CRIS, the "segment_id") which should never change throughout the lifetime of the **Segment**. This **MIMOSA Segment Code (MIMOSA Site Code + "segment_id")** normally does not have any external end-user meaning, but is the vital link for all MIMOSA-compliant systems to properly integrate and associate information to the correct **Segment**. The identical **MIMOSA Segment Code** must remain permanently-unique for the life-time of the **Site**, even though it will most likely have additional temporarily-unique identifier tags assigned to the **Segment** by various systems.

The segment_group_yn field when set to "Y" means that this segment is really a segment composed of 2 or more segments of the same type. If a count of total segments is made from the database, these group segments should be ignored.

Note: **User_tag_ident** is the user identification tag which follows the nomenclature of the plant. This is normally an abbreviation or user-defined alpha-numeric code from which the plant derives meaning. This attribute is mandatory.

Note: The **name** attribute is an optional attribute which is a full description of the segment.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|--|------------------------|
| segment_site | Foreign key reference to Site.site_code, Included in composite | HEXSTRING(16) NOT NULL |

| | | |
|------------------------|---|--|
| | primary key | |
| segment_id | Included in composite primary key | UINT NOT NULL |
| sg_db_site | Foreign key reference to Segment_Type.sg_db_site | HEXSTRING(16) NOT NULL |
| sg_db_id | Foreign key reference to Segment_Type.sg_db_id | UINT NOT NULL |
| sg_type_code | Foreign key reference to Segment_Type.sg_type_code | UINT NOT NULL |
| segment_group_yn | | STRING(1) NOT NULL |
| criticality | Criticality index with the scale's minimum and maximum value determined by the FK to Criticality_Scale_Type | INT |
| cs_type_db_site | Foreign key reference to Criticality_Scale_Type.cs_type_db_site | HEXSTRING(16) |
| cs_type_db_id | Foreign key reference to Criticality_Scale_Type.cs_type_db_id | UINT |
| cs_type_code | Foreign key reference to Criticality_Scale_Type.cs_type_code | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| long_description | Long_description field | STRING(0:4000) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site (site_code) | segment_site |
| | criticality_scale_type (cs_type_db_site, cs_type_db_id, cs_type_code) | cs_type_db_site, cs_type_db_id, cs_type_code |
| | segment_type (sg_db_site, sg_db_id, sg_type_code) | sg_db_site, sg_db_id, sg_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

#19 segment_child

Description: Segment Child (Segment DiGraph Edge) Entity

The **Segment_Child Entity** stores each weighted edge of a directed graph (digraph) which represents breakdown structures useful for engineering, operations, maintenance (such as Work Breakdown Structures), logistics, diagnostic/prognostic systems, etc.

The mandatory ordering_seq specifies the "weight" of the directed edge which is useful for ordering child segments or understanding the "cost" of an edge of the directed graph.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| segment_site | Foreign key reference to Segment.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment.segment_id, Included in composite primary key | UINT NOT NULL |
| child_sg_site | Foreign key reference to Segment.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| child_sg_id | Foreign key reference to Segment.segment_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, child_sg_site, child_sg_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | segment (segment_site, segment_id) | child_sg_site, child_sg_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

#27 segment_num_data

Description: Segment Numeric Data Entity

This entity will hold all the numeric nameplate and composition data related to a segment.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------|
| segment_site | Foreign key reference to Segment.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment.segment_id, Included in composite primary key | UINT NOT NULL |
| sn_db_site | Foreign key reference to Sg_Num_Dat_Type.sn_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sn_db_id | Foreign key reference to Sg_Num_Dat_Type.sn_db_id, Included in composite primary key | UINT NOT NULL |
| sn_type_code | Foreign key reference to Sg_Num_Dat_Type.sn_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, sn_db_site, sn_db_id, sn_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |

| | | |
|--|--|------------------------------------|
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | sg_num_dat_type (sn_db_site, sn_db_id, sn_type_code) | sn_db_site, sn_db_id, sn_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#28 segment_chr_data

Description: Segment Character Data Entity

This entity will hold all the alpha-numeric data related to a segment.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------|
| segment_site | Foreign key reference to Segment.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment.segment_id, Included in composite primary key | UINT NOT NULL |
| sc_db_site | Foreign key reference to Sc_Chr_Dat_Type.sc_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sc_db_id | Foreign key reference to Sc_Chr_Dat_Type.sc_db_id, Included in composite primary key | UINT NOT NULL |
| sc_type_code | Foreign key reference to Sc_Chr_Dat_Type.sc_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, sc_db_site, sc_db_id, sc_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |

| | | |
|--|--|------------------------------------|
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | sc_chr_dat_type (sc_db_site, sc_db_id, sc_type_code) | sc_db_site, sc_db_id, sc_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#188 segment_blob_data

Description: Segment Binary Data Related To a Specific Database

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|--|------------------------|
| db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| segment_site | Foreign key reference to Segment.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment.segment_id, Included in composite primary key | UINT NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| blct_db_site | Foreign key reference to Blob_Content_Type.blct_db_site | HEXSTRING(16) NOT NULL |
| blct_db_id | Foreign key reference to Blob_Content_Type.blct_db_id | UINT NOT NULL |
| blc_type_code | Foreign key reference to Blob_Content_Type.blc_type_code | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |

| | | |
|---------------------|---|---|
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | db_site, db_id, segment_site, segment_id, bd_db_site, bd_db_id, bd_type_code, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | db_site, db_id |
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | blob_content_type (blct_db_site, blct_db_id, blc_type_code) | blct_db_site, blct_db_id, blc_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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Asset Entities

#32 model

Description: Model/Make-Model/Manufacturer Product/Part Entity

The **Model (Make-Model/Manufacturer Product/Manufacturer Part)** entity identifies a class or sub-class ("model revision" or "lot") of a manufacturer's products as defined by a manufacturer, of which only one instance can be associated with a specific **Asset**. Each **Model** is associated with exactly one **Asset Type**. Each **Database** can contain its own set of Model entries.

The optional **Segment** foreign key is a pointer to the top-level node in the "as-designed" breakdown digraph structure for the model as found in the **Asset_Child** entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------------|---|------------------------|
| model_db_site | Included in composite primary key | HEXSTRING(16) NOT NULL |
| model_db_id | Included in composite primary key | UINT NOT NULL |
| model_id | Included in composite primary key | UINT NOT NULL |
| as_db_site | Foreign key reference to Asset_Type.as_db_site | HEXSTRING(16) NOT NULL |
| as_db_id | Foreign key reference to Asset_Type.as_db_id | UINT NOT NULL |
| as_type_code | Foreign key reference to Asset_Type.as_type_code | UINT NOT NULL |
| mf_db_site | Foreign key reference to Manufacture.mf_db_site | HEXSTRING(16) |
| mf_db_id | Foreign key reference to Manufacture.mf_db_id | UINT |
| manuf_code | Foreign key reference to Manufacture.manuf_code | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| prod_family | Product Family/Line | STRING(0:254) |
| prod_family_member | Member of Product Family/Line | STRING(0:254) |
| prod_family_member_rev | Revision of Product Family Member | STRING(0:254) |
| part_number | Manufacturer's Part Number | STRING(0:254) |
| segment_site | Foreign key reference to Segment.segment_site, refers to default functional breakdown structure | HEXSTRING(16) |
| segment_id | Foreign key reference to Segment.segment_id, refers to default functional breakdown structure | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies | UINT |

| | | |
|---------------------|---|------------------------------------|
| | the database creating/updating/soft deleting this entry | |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | model_db_site, model_db_id, model_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | model_db_site, model_db_id |
| | manufacturer (mf_db_site, mf_db_id, manuf_code) | mf_db_site, mf_db_id, manuf_code |
| | asset_type (as_db_site, as_db_id, as_type_code) | as_db_site, as_db_id, as_type_code |
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#97 model_child

Description: Model/Part Child Entity

The **Model_Child Entity** holds the taxonomies of a manufacturer's product **Model** "classes" (ex. AH-64) which have revision "releases" (ex. "AH-64A") and/or may be sub-divided into "lots" (ex, "AH-64A Lot 1") which vary in some way from the "parent" **Model**. NOTE: This is different from a Model Bill of Materials (BOM) which describes the decomposition of a single model into its sub-model child parts with associated quantities of each. OSA-EAI Version 3.2 will contain BOMs for Models as well as supports Model Child Structures of Material, Tools, and Documents.

Note: The mandatory ordering sequence, ordering_seq, specifies the order in which child model entries will appear when an application requests "all children" of a particular model.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------|
| model_db_site | Foreign key reference to Model.model_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| model_db_id | Foreign key reference to Model.model_db_id, Included in composite primary key | UINT NOT NULL |
| model_id | Foreign key reference to Model.model_id, Included in composite primary key | UINT NOT NULL |
| child_model_db_site | Foreign key reference to Model.model_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| child_model_db_id | Foreign key reference to Model.model_db_id, Included in composite primary key | UINT NOT NULL |
| child_model_id | Foreign key reference to Model.model_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|--|--|
| | model_db_site, model_db_id, model_id, child_model_db_site, child_model_db_id, child_model_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | model (model_db_site, model_db_id, model_id) | model_db_site, model_db_id, model_id |
| | model (model_db_site, model_db_id, model_id) | child_model_db_site, child_model_db_id, child_model_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#35 model_num_data

Description: Model Numeric Data Entity

This entity will hold all the numeric nameplate and composition data related to a model.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| model_db_site | Foreign key reference to Model.model_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| model_db_id | Foreign key reference to Model.model_db_id, Included in composite primary key | UINT NOT NULL |
| model_id | Foreign key reference to Model.model_id, Included in composite primary key | UINT NOT NULL |
| an_db_site | Foreign key reference to As_Num_Dat_Type.an_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| an_db_id | Foreign key reference to As_Num_Dat_Type.an_db_id, Included in composite primary key | UINT NOT NULL |
| an_type_code | Foreign key reference to As_Num_Dat_Type.an_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | model_db_site, model_db_id, | |

| | | |
|---------------------|---|---|
| | model_id, an_db_site, an_db_id, an_type_code | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | model (model_db_site, model_db_id, model_id) | model_db_site, model_db_id, model_id |
| | as_num_dat_type (an_db_site, an_db_id, an_type_code) | an_db_site, an_db_id, an_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#36 model_chr_data

Description: Model Character Data Entity

This entity will hold all the alpha-numeric nameplate and composition data related to a model.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| model_db_site | Foreign key reference to Mode.model_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| model_db_id | Foreign key reference to Mode.model_db_id, Included in composite primary key | UINT NOT NULL |
| model_id | Foreign key reference to Mode.model_id, Included in composite primary key | UINT NOT NULL |
| ac_db_site | Foreign key reference to As_Chr_Dat_Type.ac_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ac_db_id | Foreign key reference to As_Chr_Dat_Type.ac_db_id, Included in composite primary key | UINT NOT NULL |
| ac_type_code | Foreign key reference to As_Chr_Dat_Type.ac_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | model_db_site, model_db_id, model_id, ac_db_site, ac_db_id, ac_type_code | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|--------------------------------------|
| | model (model_db_site, model_db_id, model_id) | model_db_site, model_db_id, model_id |
| | as_chr_dat_type (ac_db_site, ac_db_id, ac_type_code) | ac_db_site, ac_db_id, ac_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#220 model_blob_data

Description: Model Binary Data Related To a Specific Database

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|--|------------------------|
| db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| model_db_site | Foreign key reference to Model.model_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| model_db_id | Foreign key reference to Model.model_db_id, Included in composite primary key | UINT NOT NULL |
| model_id | Foreign key reference to Model.model_id, Included in composite primary key | UINT NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| blct_db_site | Foreign key reference to Blob_Content_Type.blct_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| blct_db_id | Foreign key reference to Blob_Content_Type.blct_db_id, Included in composite primary key | UINT NOT NULL |
| blc_type_code | Foreign key reference to Blob_Content_Type.blc_type_code, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last | DATETIME(19:29) |

| | | |
|---------------------|---|---|
| | change to this record | |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | model_db_site, model_db_id, model_id, bd_db_site, bd_db_id, bd_type_code, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | db_site, db_id |
| | model (model_db_site, model_db_id, model_id) | model_db_site, model_db_id, model_id |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | blob_content_type (blct_db_site, blct_db_id, blc_type_code) | blct_db_site, blct_db_id, blc_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#37 asset

Description: Asset Entity

An **Asset** is a physical, non-intelligent instantiated object. An **Asset** may be an entire facility, an entire functioning system (such as an CH-47 Tail Number XYZ helicopter), or a component piece of equipment, such as a specific instance of a bearing. Each **Asset** is associated with exactly one **Asset Type**. The **Asset** may be installed on/at a **Segment** over a period of time. An **Asset** can be monitored via **Measurement Locations**, be associated with work, and may be composed of one or more **Asset Child Structures**. When first referenced in a MIMOSA-compliant system, an origination **Site** permanently assigns an **Asset** a **MIMOSA Asset Code**.

The **MIMOSA Asset Code** is the **Site**-assigned unique identifier of an **Asset**. Because of multiple methodologies for serialized asset/component tracking identification in different industries and in various computer systems, an **Asset** will often need to be associated with many identifiers relevant to the **Asset** because they are the asset's "unique key" for various databases. These identifiers may change as an **Asset** is sold, leased, or refurbished and moves throughout multiple **Sites** or **Enterprises**. Because of this requirement, MIMOSA-compliant systems require that an **Asset** be permanently assigned one and only one **MIMOSA Asset Code** which is composed of the birth **MIMOSA Site Code** (in CRIS, the "asset_org_site") concatenated with a site-unique, non-negative integer (in CRIS, the "asset_id") which should never change throughout the lifetime of the **Asset**. This **MIMOSA Asset Code** (**MIMOSA Site Code** + "asset_id") normally does not have any external end-user meaning, but is the vital link for all MIMOSA-compliant systems to properly integrate and associate information to the correct **Asset**. The identical **MIMOSA Asset Code** must remain permanently-unique for the life-time of the **Asset**, even though it will most likely have additional temporarily-unique identifier tags assigned to the **Asset** by various systems.

The optional **Segment** foreign key is the top-level "as-built" breakdown structure for the asset, which is different than the "as-utilized" functional location segment for the asset (asset_on_segment) which tracks where an asset is utilized over time.

Note: "User_tag_ident" is the user identification tag which follows the nomenclature of the end-user. This is normally an abbreviation or user-defined code. This attribute is mandatory.

Note: The "name" attribute is an optional attribute which is a full description of the asset.

| Attribute | Description | Size/Type |
|------------------|--|------------------------|
| asset_org_site | Foreign key reference to Site.site_code, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Included in composite primary key | UINT NOT NULL |
| as_db_site | Foreign key reference to Asset_Type.as_db_site | HEXSTRING(16) NOT NULL |
| as_db_id | Foreign key reference to Asset_Type.as_db_id | UINT NOT NULL |
| as_type_code | Foreign key reference to Asset_Type.as_type_code | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| long_description | Long_description field | STRING(0:4096) |

| | | |
|------------------------|---|----------------------|
| criticality | Criticality index with the scale's minimum and maximum value determined by the FK to Criticality_Scale_Type | INT |
| cs_type_db_site | Foreign key reference to Criticality_Scale_Type.cs_type_db_site | HEXSTRING(16) |
| cs_type_db_id | Foreign key reference to Criticality_Scale_Type.cs_type_db_id | UINT |
| cs_type_code | Foreign key reference to Criticality_Scale_Type.cs_type_code | UINT |
| mf_db_site | Foreign key reference to Manufacture.mf_db_site (Only use if no FK to Model entity, since the Model entity includes the Manufacturer) | HEXSTRING(16) |
| mf_db_id | Foreign key reference to Manufacture.mf_db_id (Optional Manufacturer FK) | UINT |
| manuf_code | Foreign key reference to Manufacture.mf_manuf_code (Optional Manufacturer FK) | UINT |
| model_db_site | Foreign key reference to Model.model_db_site (The model entity is the recommended location to associate the manufacturer for the asset) | HEXSTRING(16) |
| model_db_id | Foreign key reference to Model.model_db_id (Optional Model FK) | UINT |
| model_id | Foreign key reference to Model.model_id (Optional Model FK) | UINT |
| serial_number | | STRING(0:254) |
| asr_db_site | Foreign key reference to As_Readiness_Type.asr_db_site | HEXSTRING(16) |
| asr_db_id | Foreign key reference to As_Readiness_Type.asr_db_id | UINT |
| asr_type_code | Foreign key reference to As_Readiness_Type.asr_type_code | UINT |
| segment_site | Foreign key reference to Segment.segment_site (Refers to default functional breakdown structure) | HEXSTRING(16) |
| segment_id | Foreign key reference to Segment.segment_id (Refers to default functional breakdown structure) | UINT |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod | USHORT |

| | | |
|---------------------|--|---|
| | which determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site (site_code) | asset_org_site |
| | criticality_scale_type (cs_type_db_site, cs_type_db_id, cs_type_code) | cs_type_db_site, cs_type_db_id, cs_type_code |
| | asset_type (as_db_site, as_db_id, as_type_code) | as_db_site, as_db_id, as_type_code |
| | manufacturer (mf_db_site, mf_db_id, manuf_code) | mf_db_site, mf_db_id, manuf_code |
| | model (model_db_site, model_db_id, model_id) | model_db_site, model_db_id, model_id |
| | as_readiness_type (asr_db_site, asr_db_id, asr_type_code) | asr_db_site, asr_db_id, asr_type_code |
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#38 asset_child

Description: Asset Child Entity (Asset Sub-components)

The **Asset_Child Entity** contains all the breakdown of assets into asset sub-components (child assets), to form serialized component part breakdown trees.

Note: The mandatory ordering sequence, ordering_seq specifies the order in which child assets appear when an application requests “all children” of a particular asset.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|----------------------------------|
| asset_org_site | Foreign key reference to Asset_Type.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset_Type.asset_id, Included in composite primary key | UINT NOT NULL |
| child_as_site | Foreign key reference to Asset_Type.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| child_as_id | Foreign key reference to Asset_Type.asset_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, child_as_site, child_as_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | asset (asset_org_site, asset_id) | child_as_site, child_as_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#41 asset_num_data

Description: Asset Numeric Data Entity

This entity will hold all the current numeric data related to an asset.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------|
| asset_org_site | Foreign key reference to Asset_Type.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset_Type.asset_id, Included in composite primary key | UINT NOT NULL |
| an_db_site | Foreign key reference to As_Num_Dat_Type.an_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| an_db_id | Foreign key reference to As_Num_Dat_Type.an_db_id, Included in composite primary key | UINT NOT NULL |
| an_type_code | Foreign key reference to As_Num_Dat_Type.an_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, an_db_site, an_db_id, an_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |

| | | |
|--|--|------------------------------------|
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | as_num_dat_type (an_db_site, an_db_id, an_type_code) | an_db_site, an_db_id, an_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#42 asset_chr_data

Description: Asset Character Data Entity

This entity will hold all the current alpha-numeric character data related to an asset.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------|
| asset_org_site | Foreign key reference to Asset.Asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset.Asset_id, Included in composite primary key | UINT NOT NULL |
| ac_db_site | Foreign key reference to Ac_Chr_Dat_Type.ac_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ac_db_id | Foreign key reference to Ac_Chr_Dat_Type.ac_db_id, Included in composite primary key | UINT NOT NULL |
| ac_type_code | Foreign key reference to Ac_Chr_Dat_Type.ac_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, ac_db_site, ac_db_id, ac_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |

| | | |
|--|--|------------------------------------|
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | ac_chr_dat_type (ac_db_site, ac_db_id, ac_type_code) | ac_db_site, ac_db_id, ac_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#189 asset_blob_data

Description: Asset Binary Data Related To a Specific Database

| Attribute | Description | Size/Type |
|------------------|--|------------------------|
| db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| asset_org_site | Foreign key reference to Asset.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset.asset_id, Included in composite primary key | UINT NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| blct_db_site | Foreign key reference to Blob_Content_Type.blct_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| blct_db_id | Foreign key reference to Blob_Content_Type.blct_db_id, Included in composite primary key | UINT NOT NULL |
| blc_type_code | Foreign key reference to Blob_Content_Type.blc_type_code, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies | HEXSTRING(16) |

| | | |
|---------------------|---|---|
| | the database creating/updating/soft deleting this entry | |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | db_site, db_id, asset_org_site, asset_id, bd_db_site, bd_db_id, bd_type_code, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | db_site, db_id |
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | blob_content_type (blct_db_site, blct_db_id, blc_type_code) | blct_db_site, blct_db_id, blc_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#44 asset_on_segment

Description: Asset on Segment History Entity

This entity stores when a particular asset was installed on/at a given segment and uses the date/time installed as part of the primary key. If not known when installed, the current date/time should be specified.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------------------|---|--------------------------|
| asset_org_site | Foreign key reference to Asset.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset.asset_id, Included in composite primary key | UINT NOT NULL |
| segment_site | Foreign key reference to Segment.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment.segment_id, Included in composite primary key | UINT NOT NULL |
| gmt_installed | Included in composite primary key | DATETIME(19:29) NOT NULL |
| gmt_removed | | DATETIME(19:29) |
| installed_by_agent_site | Foreign key reference to Agent.org_agent_site (Installed by Agent FK) | HEXSTRING(16) |
| installed_by_agent_id | Foreign key reference to Agent.agent_id (Installed by Agent FK) | UINT |
| removed_by_agent_site | Foreign key reference to Agent.org_agent_site (Removed by Agent FK) | HEXSTRING(16) |
| removed_by_agent_id | Foreign key reference to Agent.agent_id (Removed by Agent FK) | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|---|---|
| | asset_org_site, asset_id, segment_site, segment_id, gmt_installed | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | agent (org_agent_site, agent_id) | installed_by_agent_site, installed_by_agent_id |
| | agent (org_agent_site, agent_id) | removed_by_agent_site, removed_by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#482 asset_model_history

Description: Tracks the Models An Asset Was Associated With Throughout Its Life (Current Asset's Model is also maintained in the Asset entity)

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|--------------------------------------|
| asset_org_site | Foreign key reference to Asset.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset.asset_id, Included in composite primary key | UINT NOT NULL |
| model_db_site | Foreign key reference to Model.model_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| model_db_id | Foreign key reference to Model.model_db_id, Included in composite primary key | UINT NOT NULL |
| model_id | Foreign key reference to Model.model_id, Included in composite primary key | UINT NOT NULL |
| gmt_start | Starting time when Asset was configured as Model | DATETIME(19:29) NOT NULL |
| gmt_end | Ending time when Asset was configured as Model | DATETIME(19:29) |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, model_db_site, model_db_id, model_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | model (model_db_site, model_db_id, model_id) | model_db_site, model_db_id, model_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

#45 asset_owner

Description: Asset Owner History Entity

This entities stores the owner of a particular asset over time and stores the date purchased as part of the primary key. If not known when purchased, the current date/time should be specified.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| asset_org_site | Foreign key reference to Asset.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset.asset_id, Included in composite primary key | UINT NOT NULL |
| gmt_purchased | Included in composite primary key | DATETIME(19:29) NOT NULL |
| sold_to_site | Foreign key reference to Site.site_code | HEXSTRING(16) NOT NULL |
| purch_from_site | Foreign key reference to Site.site_code | HEXSTRING(16) |
| pc_db_site | Foreign key reference to Purchase_Cond_Type.pc_db_site | HEXSTRING(16) |
| pc_db_id | Foreign key reference to Purchase_Cond_Type.pc_db_id | UINT |
| pc_type_code | Foreign key reference to Purchase_Cond_Type.pc_type_code | UINT |
| asr_db_site | Foreign key reference to As_Readiness_Type.asr_db_site | HEXSTRING(16) |
| asr_db_id | Foreign key reference to As_Readiness_Type.asr_db_id | UINT |
| asr_type_code | Foreign key reference to As_Readiness_Type.asr_type_code | UINT |
| gmt_sold | | DATETIME(19:29) |
| gmt_discarded | | DATETIME(19:29) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, | |

| | | |
|---------------------|---|---------------------------------------|
| | gmt_pruchased | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | site (site_code) | sold_to_site |
| | site (site_code) | purch_from_site |
| | purchase_cond_type (pc_db_site, pc_db_id, pc_type_code) | pc_db_site, pc_db_id, pc_type_code |
| | as_readiness_type (asr_db_site, asr_db_id, asr_type_code) | asr_db_site, asr_db_id, asr_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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Agent Entities

#117 agent

Description: Agent Entity

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-----------------------|---|---|
| org_agent_site | Foreign key reference to Site.site_code (home site), Included in composite primary key | HEXSTRING(16) NOT NULL |
| agent_id | Included in composite primary key | UINT NOT NULL |
| agent_db_site | Foreign key reference to Agent_Type.agent_db_site | HEXSTRING(16) NOT NULL |
| agent_db_id | Foreign key reference to Agent_Type.agent_db_id | UINT NOT NULL |
| agent_type_code | Foreign key reference to Agent_Type.agent_type_code | UINT NOT NULL |
| asset_org_site | Foreign key reference to Asset.asset_org_site | HEXSTRING(16) |
| asset_id | Foreign key reference to Asset.asset_id | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | org_agent_site, agent_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site (site_code) | org_agent_site |
| | agent_type (agent_db_site, agent_db_id, agent_type_code) | agent_db_site, agent_db_id, agent_type_code |
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

#118 agent_role

Description: Agent Roles Entity

This entity assigns roles to individual agents. Possible agent role types include Manager, Owner, Employer, Buyer, Operator, etc.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|---------------------------------|
| org_agent_site | Foreign key reference to Agent.org_agent_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| agent_id | Foreign key reference to Agent.agent_id, Included in composite primary key | UINT NOT NULL |
| ag_role_db_site | Foreign key reference to Agent_Role_Type.ag_role_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ag_role_db_id | Foreign key reference to Agent_Role_Type.ag_role_db_id, Included in composite primary key | UINT NOT NULL |
| ag_role_type_code | Foreign key reference to Agent_Role_Type.ag_role_type_code, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | org_agent_site, agent_id, ag_role_db_site, ag_role_db_id, ag_role_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | agent (org_agent_site, agent_id) | org_agent_site, agent_id |
| | agent_role_type (ag_role_db_site, ag_role_db_id, ag_role_type_code) | ag_role_db_site, ag_role_db_id, |

| | | |
|--|----------------------------------|-------------------------------------|
| | | ag_role_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#223 agent_role_with_agent

Description: Agent in Defined Role with Associated Agent Entity

This entity defines roles for agents in relationship to other agents. In this context, possible agent role types might include Manager Of, Owner Of, Employer Of, Buyer From, etc.

Note: The attributes org_agent_site, agent_id, ag_role_db_site and ag_rol_db_id define the agent's role: Manager Of, Buyer From, etc.

Note: The attributes other_org_agent_site and other_agent_id identify the associated agent.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|----------------------|---|------------------------|
| org_agent_site | Foreign key reference to Agent_Role.org_agent_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| agent_id | Foreign key reference to Agent_Role.agent_id, Included in composite primary key | UINT NOT NULL |
| ag_role_db_site | Foreign key reference to Agent_Role.ag_role_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ag_role_db_id | Foreign key reference to Agent_Role.ag_role_db_id, Included in composite primary key | UINT NOT NULL |
| ag_role_type_code | Foreign key reference to Agent_Role.ag_role_type_code, Included in composite primary key | UINT NOT NULL |
| other_org_agent_site | Foreign key reference to Agent.org_agent_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| other_agent_id | Foreign key reference to Agent.agent_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|--|--|
| | org_agent_site, agent_id, ag_role_db_site, ag_role_db_id, ag_role_type_code, other_org_agent_site, other_agent_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | agent_role (org_agent_site, agent_id, ag_role_db_site, ag_role_db_id, ag_role_type_code) | org_agent_site, agent_id, ag_role_db_site, ag_role_db_id, ag_role_type_code |
| | agent (org_agent_site, agent_id) | other_org_agent_site, other_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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Network (Agent Role Views and As-Designed/As-Built/As-Maintained Engineering Lifecycle Views) Entities

#284 network

Description: Network Entity

The **Network** Entity stores the unique identification of **Segment Network** structure and/or an **Asset Network** structure for a given database.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------------------|
| network_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| network_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| network_id | Included in composite primary key | UINT NOT NULL |
| nt_db_site | Foreign key reference to Network_Type.nt_db_site | HEXSTRING(16) NOT NULL |
| nt_db_id | Foreign key reference to Network_Type.nt_db_id | UINT NOT NULL |
| nt_type_code | Foreign key reference to Network_Type.nt_type_code | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | network_db_site, network_db_id, network_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | network_db_site, network_db_id |
| | network_type (nt_db_site, nt_db_id, nt_type_code) | nt_db_site, nt_db_id, nt_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#561 child_network_config_history

Description: Tracks Valid Child Networks for a Parent Network Throughout Its Life

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-----------------------|---|--------------------------|
| network_db_site | Foreign key reference to Network.network_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| network_db_id | Foreign key reference to Network.network_db_id, Included in composite primary key | UINT NOT NULL |
| network_id | Foreign key reference to Network.network_id, Included in composite primary key | UINT NOT NULL |
| child_network_db_site | Foreign key reference to Network.network_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| child_network_db_id | Foreign key reference to Network.network_db_id, Included in composite primary key | UINT NOT NULL |
| child_network_id | Foreign key reference to Network.network_id, Included in composite primary key | UINT NOT NULL |
| gmt_start | Starting time when Child Network relationship was valid, Included in composite primary key | DATETIME(19:29) NOT NULL |
| gmt_end | Ending time when Child Network network was no longer valid | DATETIME(19:29) |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | network_db_site, network_db_id, network_id, child_network_db_site, child_network_db_id, child_network_id, gmt_start | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|--|
| | network (network_db_site, network_db_id, network_id) | network_db_site, network_db_id, network_id |
| | network (network_db_site, network_db_id, network_id) | child_network_db_site, child_network_db_id, child_network_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#308 sg_network_connect

Description: Segment Network Connection Entity

The **Segment Network** entity contains the connectivity relationships between segments, and allows segments to be associated in ordered input-output flow chains (i.e., process flowcharts) or sequenced parent-child relationships.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-----------------------|--|------------------------|
| network_db_site | Foreign key reference to Network.network_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| network_db_id | Foreign key reference to Network.network_db_id, Included in composite primary key | UINT NOT NULL |
| network_id | Foreign key reference to Network.network_id, Included in composite primary key | UINT NOT NULL |
| segment_site | Connection source parent segment where the connection begins or from whence it flows. Foreign key reference to Segment.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Connection source parent segment where the connection begins or from whence it flows. Foreign key reference to Segment.segment_id, Included in composite primary key | UINT NOT NULL |
| output_sg_site | Connection sink child segment where the connection ends or to where it flows. Foreign key reference to Segment.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| output_sg_id | Connection sink child segment where the connection ends or to where it flows. Foreign key reference to Segment.segment_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| net_conn_type_db_site | Foreign key reference to Network_Conn_Type.net_conn_type_db_site | HEXSTRING(16) |
| net_conn_type_db_id | Foreign key reference to Network_Conn_Type.net_conn_type_db_id | UINT |
| net_conn_type_code | Foreign key reference to Network_Conn_Type.net_conn_type_code | UINT |
| gmt_stream_config | model_config_network_history, and asset_config_network_history which can maintain explicit network segment configurations over time. | DATETIME(19:29) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |

| | | |
|---------------------|---|--|
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | network_db_site, network_db_id, network_id, segment_site, segment_id, output_sg_site, output_sg_id, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | network (network_db_site, network_db_id, network_id) | network_db_site, network_db_id, network_id |
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | segment (segment_site, segment_id) | output_sg_site, output_sg_id |
| | network_conn_type (net_conn_type_db_site, net_conn_type_db_id, net_conn_type_code) | net_conn_type_db_site, net_conn_type_db_id, net_conn_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#309 as_network_connect

Description: Asset Network Connection Entity

The **Asset Network** Entity contains the connectivity relationships between assets, and allows assets to be associated in ordered input-output flow chains (i.e., process flowcharts) or sequenced parent-child relationships.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-----------------------|---|------------------------|
| network_db_site | Foreign key reference to Network.network_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| network_db_id | Foreign key reference to Network.network_db_id, Included in composite primary key | UINT NOT NULL |
| network_id | Foreign key reference to Network.network_id, Included in composite primary key | UINT NOT NULL |
| asset_org_site | Connection source parent asset where the connection begins or from whence it flows. Foreign key reference to Asset.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Connection source parent asset where the connection begins or from whence it flows. Foreign key reference to Asset.asset_id, Included in composite primary key | UINT NOT NULL |
| output_as_site | Connection sink child asset where the connection ends or to where it flows. Foreign key reference to Asset.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| output_as_id | Connection sink child asset where the connection ends or to where it flows. Foreign key reference to Asset.asset_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| net_conn_type_db_site | Foreign key reference to Network_Conn_Type.net_conn_type_db_site | HEXSTRING(16) |
| net_conn_type_db_id | Foreign key reference to Network_Conn_Type.net_conn_type_db_id | UINT |
| net_conn_type_code | Foreign key reference to Network_Conn_Type.net_conn_type_code | UINT |
| gmt_stream_config | Before V3.2 this field was available to maintain a configuration timestamp label for different configurations of a network "stream". Now deprecated in V3.2 after introduction of Entities segment_config_network_history, model_config_network_history, and asset_config_network_history which can maintain explicit network asset configurations over time. | DATETIME(19:29) |

| | | |
|---------------------|---|--|
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | network_db_site, network_db_id, network_id, asset_org_site, asset_id, output_as_site, output_as_id, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | network (network_db_site, network_db_id, network_id) | network_db_site, network_db_id, network_id |
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | asset (asset_org_site, asset_id) | output_as_site, output_as_id |
| | network_conn_type (net_conn_type_db_site, net_conn_type_db_id, net_conn_type_code) | net_conn_type_db_site, net_conn_type_db_id, net_conn_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#578 network_num_data

Description: Network Numeric Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| network_db_site | Foreign key reference to Network.network_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| network_db_id | Foreign key reference to Network.network_db_id, Included in composite primary key | UINT NOT NULL |
| network_id | Foreign key reference to Network.network_id, Included in composite primary key | UINT NOT NULL |
| nn_type_db_site | Foreign key reference to Network_Num_Dat_Type.nn_type_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| nn_type_db_id | Foreign key reference to Network_Num_Dat_Type.nn_type_db_id, Included in composite primary key | UINT NOT NULL |
| nn_type_code | Foreign key reference to Network_Num_Dat_Type.nn_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | network_db_site, network_db_id, network_id, nn_type_db_site, nn_type_db_id, nn_type_code | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|---|--|
| | network (network_db_site, network_db_id, network_id) | network_db_site, network_db_id, network_id |
| | network_num_dat_type (nn_type_db_site, nn_type_db_id, nn_type_code) | nn_type_db_site, nn_type_db_id, nn_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#579 network_chr_data

Description: Network Character Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| network_db_site | Foreign key reference to Network.network_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| network_db_id | Foreign key reference to Network.network_db_id, Included in composite primary key | UINT NOT NULL |
| network_id | Foreign key reference to Network.network_id, Included in composite primary key | UINT NOT NULL |
| nc_type_db_site | Foreign key reference to Network_Chr_Dat_Type.nc_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| nc_type_db_id | Foreign key reference to Network_Chr_Dat_Type.nc_db_id, Included in composite primary key | UINT NOT NULL |
| nc_type_code | Foreign key reference to Network_Chr_Dat_Type.nc_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | network_db_site, network_db_id, network_id, nc_db_site, nc_db_id, nc_type_code | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|---|--|
| | network (network_db_site, network_db_id, network_id) | network_db_site, network_db_id, network_id |
| | network_chr_dat_type (nc_db_site, nc_db_id, nc_type_code) | nc_db_site, nc_db_id, nc_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#580 network_blob_data

Description: Network Binary Data Entity

This entity will hold all the current binary data related to a Network.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|--|------------------------|
| network_db_site | Foreign key reference to Network.network_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| network_db_id | Foreign key reference to Network.network_db_id, Included in composite primary key | UINT NOT NULL |
| network_id | Foreign key reference to Network.network_id, Included in composite primary key | UINT NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| bd_ordering_seq | Included in composite primary key | UINT NOT NULL |
| blct_db_site | Foreign key reference to Blob_Content_Type.blct_db_site | HEXSTRING(16) NOT NULL |
| blct_db_id | Foreign key reference to Blob_Content_Type.blct_db_id | UINT NOT NULL |
| blc_type_code | Foreign key reference to Blob_Content_Type.blc_type_code | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to | UINT |

| | | |
|---------------------|---|--|
| | Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | network_db_site, network_db_id, network_id, bd_db_site, bd_db_id, bd_type_code, bd_ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | network (network_db_site, network_db_id, network_id) | network_db_site, network_db_id, network_id |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | blob_content_type (blct_db_site, blct_db_id, blc_type_code) | blct_db_site, blct_db_id, blc_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#483 segment_config_network_history

Description: Tracks Networks A Segment Was Associated With Throughout Its Life

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|--------------------------|
| segment_site | Foreign key reference to Segment.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment.segment_id, Included in composite primary key | UINT NOT NULL |
| network_db_site | Foreign key reference to Network.network_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| network_db_id | Foreign key reference to Network.network_db_id, Included in composite primary key | UINT NOT NULL |
| network_id | Foreign key reference to Network.network_id, Included in composite primary key | UINT NOT NULL |
| gmt_start | Starting time when Network was valid for the Site, Included in composite primary key | DATETIME(19:29) NOT NULL |
| gmt_end | Ending time when Network was valid for the Site | DATETIME(19:29) |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, network_db_site, network_db_id, network_id, gmt_start | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | segment (segment_site, segment_id) | segment_site, segment_id |

| | | |
|--|---|---|
| | network (network_db_site, network_db_id, network_id) | network_db_site, network_db_id, network_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#484 model_config_network_history

Description: Tracks Valid Networks A Model Was Associated With Throughout Its Life

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| model_db_site | Foreign key reference to Model.model_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| model_db_id | Foreign key reference to Model.model_db_id, Included in composite primary key | UINT NOT NULL |
| model_id | Foreign key reference to Model.model_id, Included in composite primary key | UINT NOT NULL |
| network_db_site | Foreign key reference to Network.network_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| network_db_id | Foreign key reference to Network.network_db_id, Included in composite primary key | UINT NOT NULL |
| network_id | Foreign key reference to Network.network_id, Included in composite primary key | UINT NOT NULL |
| gmt_start | Starting time when Network was valid for the Site, Included in composite primary key | DATETIME(19:29) NOT NULL |
| gmt_end | Ending time when Network was valid for the Site | DATETIME(19:29) |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | model_db_site, model_db_id, model_id, network_db_site, network_db_id, network_id, gmt_start | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|--|
| | model (model_db_site, model_db_id, model_id) | model_db_site, model_db_id, model_id |
| | network (network_db_site, network_db_id, network_id) | network_db_site, network_db_id, network_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#485 asset_config_network_history

Description: Tracks Valid Networks An Asset Was Associated With Throughout Its Life

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|--|
| asset_org_site | Foreign key reference to Asset.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset.asset_id, Included in composite primary key | UINT NOT NULL |
| network_db_site | Foreign key reference to Network.network_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| network_db_id | Foreign key reference to Network.network_db_id, Included in composite primary key | UINT NOT NULL |
| network_id | Foreign key reference to Network.network_id, Included in composite primary key | UINT NOT NULL |
| gmt_start | Starting time when Network was valid for the Site, Included in composite primary key | DATETIME(19:29) NOT NULL |
| gmt_end | Ending time when Network was valid for the Site | DATETIME(19:29) |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, network_db_site, network_db_id, network_id, gmt_start | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | network (network_db_site, network_db_id, network_id) | network_db_site, network_db_id, network_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

#560 ag_role_type_config_net_hist

Description: Tracks Valid Networks for an Agent Role Throughout It's Life

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| ag_role_db_site | Foreign key reference to Agent_Role_Type.ag_role_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ag_role_db_id | Foreign key reference to Agent_Role_Type.ag_role_db_id, Included in composite primary key | UINT NOT NULL |
| ag_role_type_code | Foreign key reference to Agent_Role_Type.ag_role_type_code, Included in composite primary key | UINT NOT NULL |
| network_db_site | Foreign key reference to Network.network_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| network_db_id | Foreign key reference to Network.network_db_id, Included in composite primary key | UINT NOT NULL |
| network_id | Foreign key reference to Network.network_id, Included in composite primary key | UINT NOT NULL |
| gmt_start | Starting time when Network was valid for the Site, Included in composite primary key | DATETIME(19:29) NOT NULL |
| gmt_end | Ending time when Network was valid for the Site | DATETIME(19:29) |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ag_role_db_site, ag_role_db_id, ag_role_type_code, network_db_site, network_db_id, network_id, gmt_start | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|---|---|
| | agent_role_type (ag_role_db_site, ag_role_db_id, ag_role_type_code) | ag_role_db_site, ag_role_db_id, ag_role_type_code |
| | network (network_db_site, network_db_id, network_id) | network_db_site, network_db_id, network_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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Logged Event (Fact) Entities

#30 segment_event

Description: Segment Event Entity

This entity holds the different events which occurred on segments. These include both operating events and failure events such as; Logged Operating Events, Failure “Modes”, Failure “Effects”, Failure “Mechanisms”, Defect Events Abnormal Situations, Alarm Events, etc. An event is NOT work performed by an entity, but a log of the actual events which occurred at a service segment over time.

Note: gmt_event_start, gmt_event_stop, and gmt_stored are Greenwich Mean Time.

Note: ev_loc_hr_delta, is the number of hours +/- GMT to calculate the correct local time(s) for the event.

Note: st_loc_hr_delta is the number of hours +/- GMT to calculate the correct local time that the event record was stored in the database.

Note: ev_loc_min_delta: If null, assume local minute offset from GMT = 0

Note: st_loc_min_delta: If null, assume local minute offset from GMT = 0

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|--|--------------------------|
| segment_site | Foreign key reference to Segment.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment.segment_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Sg_As_Event_Type.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Sg_As_Event_Type.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Sg_As_Event_Type.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Event start time (GMT), Included in composite primary key | DATETIME(19:29) NOT NULL |
| gmt_event_stop | Event end time (GMT) | DATETIME(19:29) |
| ev_loc_hr_delta | Event start/stop time local hour offset from GMT | SHORT |
| ev_loc_min_delta | Event strat/stop tim local minute offset from GMT | USHORT |
| gmt_stored | Time event record was stored in database (GMT) | DATETIME(19:29) |
| st_loc_hr_delta | Stored time local hour offset from GMT | SHORT |
| st_loc_min_delta | Stored time local minute offset from GMT | USHORT |

| | | |
|---------------------|---|---------------------------------------|
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | sg_as_event_type (ev_db_site, ev_db_id, event_type_code) | ev_db_site, ev_db_id, event_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#43 asset_event

Description: Asset Event Entity

This entity holds the different types of possible events for assets. These include both operating events and failure events such as; Timestamped Facts, Logged Operating Events, Failure “Modes”, Failure “Effects”, Failure “Mechanisms”, Defect Events, Abnormal Situations, Alarm Events, etc.. An event is NOT work performed by an entity, but a log of the actual events which occurred at an asset over time.

Note: gmt_event_start, gmt_event_stop, and gmt_stored are Greenwich Mean Time.

Note: ev_loc_hr_delta, is the number of hours +/- GMT to calculate the correct local time for the event.

Note: st_loc_hr_delta is the number of hours +/- GMT to calculate the correct local time that the event record was stored in the database.

Note: ev_loc_min_delta: If null, assume local minute offset from GMT = 0

Note: st_loc_min_delta: If null, assume local minute offset from GMT = 0

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|--|--------------------------|
| asset_org_site | Foreign key reference to Asset.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset.asset_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Sg_As_Event_Type.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Sg_As_Event_Type.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Sg_As_Event_Type.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Event start time (GMT), Included in composite primary key | DATETIME(19:29) NOT NULL |
| gmt_event_stop | Event end time (GMT) | DATETIME(19:29) |
| ev_loc_hr_delta | Event start/stop time local hour offset from GMT | SHORT |
| ev_loc_min_delta | Event start/stop time local minute offset from GMT | USHORT |
| gmt_stored | Time event stored in database (GMT) | DATETIME(19:29) |
| st_loc_hr_delta | Store time local hour offset from GMT | SHORT |
| st_loc_min_delta | Store time local minute offset from GMT | USHORT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |

| | | |
|---------------------|---|---------------------------------------|
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | sg_as_event_type (ev_db_site, ev_db_id, event_type_code) | ev_db_site, ev_db_id, event_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#152 segment_event_link

Description: Segment Event Cause/Effect Links in an Event Causal Network

| Attribute | Description | Size/Type |
|-------------------|---|--------------------------|
| segment_site | Foreign key reference to Segment_Event.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment_Event.segment_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Segment_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Segment_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Segment_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Segment_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| caused_sg_site | Foreign key reference to Segment_Event.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| caused_sg_id | Foreign key reference to Segment_Event.segment_id, Included in composite primary key | UINT NOT NULL |
| caused_ev_db_site | Foreign key reference to Segment_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| caused_ev_db_id | Foreign key reference to Segment_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| caused_ev_code | Foreign key reference to Segment_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| caused_gmt | Foreign key reference to Segment_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to | UINT |

| | | |
|---------------------|--|--|
| | Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start, caused_sg_site, caused_sg_id, caused_ev_db_site, caused_ev_db_id, caused_ev_code, caused_gmt | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | segment_event (segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | segment_event (segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | caused_sg_site, caused_sg_id, caused_ev_db_site, caused_ev_db_id, caused_ev_code, caused_gmt |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#153 asset_event_link

Description: Asset Event Cause/Effect Links in an Event Causal Network

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-------------------|---|--------------------------|
| asset_org_site | Foreign key reference to Asset_Event.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset_Event.asset_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Asset_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Asset_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Asset_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Asset_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| caused_as_site | Foreign key reference to Asset_Event.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| caused_as_id | Foreign key reference to Asset_Event.asset_id, Included in composite primary key | UINT NOT NULL |
| caused_ev_db_site | Foreign key reference to Asset_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| caused_ev_db_id | Foreign key reference to Asset_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| caused_ev_code | Foreign key reference to Asset_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| caused_gmt | Foreign key reference to Asset_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to | UINT |

| | | |
|---------------------|--|--|
| | Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start, caused_as_site, caused_as_id, caused_ev_db_site, caused_ev_db_id, caused_ev_code, caused_gmt | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset_event (asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | asset_event (asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | caused_as_site, caused_as_id, caused_ev_db_site, caused_ev_db_id, caused_ev_code, caused_gmt |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#111 sg_event_num_data

Description: Segment Event Numeric Data

| Attribute | Description | Size/Type |
|------------------|---|--------------------------|
| segment_site | Foreign key reference to Segment_Event.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment_Event.segment_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Segment_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Segment_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Segment_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Segment_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| en_db_site | Foreign key reference to Ev_Num_Data_Type.en_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| en_db_id | Foreign key reference to Ev_Num_Data_Type.en_db_id, Included in composite primary key | UINT NOT NULL |
| en_type_code | Foreign key reference to Ev_Num_Data_Type.en_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to | USHORT |

| | | |
|---------------------|---|---|
| | Row_Status_Type.rstat_type_cod which determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start, en_db_site, en_db_id, en_type_code | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | segment_event (segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | ev_num_data_type (en_db_site, en_db_id, en_type_code) | en_db_site, en_db_id, en_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#113 as_event_num_data

Description: Asset Event Numeric Data

| Attribute | Description | Size/Type |
|------------------|---|--------------------------|
| asset_org_site | Foreign key reference to Asset_Event.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset_Event.asset_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Asset_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Asset_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Asset_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Asset_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| en_db_site | Foreign key reference to Ev_Num_Data_Type.en_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| en_db_id | Foreign key reference to Ev_Num_Data_Type.en_db_id, Included in composite primary key | UINT NOT NULL |
| en_type_code | Foreign key reference to Ev_Num_Data_Type.ent_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to | USHORT |

| | | |
|---------------------|---|---|
| | Row_Status_Type.rstat_type_cod which determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start, en_db_site, en_db_id, en_type_code | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset_event (asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | ev_num_data_type (en_db_site, en_db_id, en_type_code) | en_db_site, en_db_id, en_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#357 sg_event_chr_data

Description: Segment Event Character Data

| Attribute | Description | Size/Type |
|------------------|---|--------------------------|
| segment_site | Foreign key reference to Segment_Event.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment_Event.segment_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Segment_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Segment_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Segment_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Segment_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| ec_db_site | Foreign key reference to Ev_Chr_Data_Type.ec_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ec_db_id | Foreign key reference to Ev_Chr_Data_Type.ec_db_id, Included in composite primary key | UINT NOT NULL |
| ec_type_code | Foreign key reference to Ev_Chr_Data_Type.ec_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to | USHORT |

| | | |
|---------------------|---|---|
| | Row_Status_Type.rstat_type_cod which determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start, ec_db_site, ec_db_id, ec_type_code | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | segment_event (segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | ev_chr_data_type (ec_db_site, ec_db_id, ec_type_code) | ec_db_site, ec_db_id, ec_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#358 as_event_chr_data

Description: Asset Event Character Data

| Attribute | Description | Size/Type |
|------------------|---|--------------------------|
| asset_org_site | Foreign key reference to Asset_Event.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset_Event.asset_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Asset_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Asset_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Asset_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Asset_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| ec_db_site | Foreign key reference to Ev_Chr_Data_Type.ec_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ec_db_id | Foreign key reference to Ev_Chr_Data_Type.ec_db_id, Included in composite primary key | UINT NOT NULL |
| ec_type_code | Foreign key reference to Ev_Chr_Data_Type.ec_type-code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to | USHORT |

| | | |
|---------------------|---|---|
| | Row_Status_Type.rstat_type_cod which determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start, ec_db_site, ec_db_id, ec_type_code | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset_event (asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | ev_chr_data_type (ec_db_site, ec_db_id, ec_type_code) | ec_db_site, ec_db_id, ec_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#453 sg_event_blob_data

Description: Segment Event Binary Data Entity

This entity will hold all the current binary data related to a segment event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|--------------------------|
| segment_site | Foreign key reference to Segment_Event.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment_Event.segment_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Segment_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Segment_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Segment_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Segment_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| blct_db_site | Foreign key reference to Blob_Content_Type.blct_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| blct_db_id | Foreign key reference to Blob_Content_Type.blct_db_id, Included in composite primary key | UINT NOT NULL |
| blc_type_code | Foreign key reference to Blob_Content_Type.blc_type_code, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in | STRING(0:254) |

| | | |
|---------------------|--|--|
| | image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start, bd_db_site, bd_db_id, bd_type_code, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | segment_event (segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | blob_content_type (blct_db_site, blct_db_id, blc_type_code) | blct_db_site, blct_db_id, blc_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#454 as_event_blob_data

Description: Asset Event Binary Data Entity

This entity will hold all the current binary data related to an asset event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|--------------------------|
| asset_org_site | Foreign key reference to Asset_Event.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset_Event.asset_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Asset_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Asset_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Asset_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Asset_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| blct_db_site | Foreign key reference to Blob_Content_Type.blct_db_site | HEXSTRING(16) NOT NULL |
| blct_db_id | Foreign key reference to Blob_Content_Type.blct_db_site | UINT NOT NULL |
| blc_type_code | Foreign key reference to Blob_Content_Type.blc_type_code | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be | STRING(0:254) |

| | | |
|---------------------|--|--|
| | extracted into a file. | |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start, bd_db_site, bd_db_id, bd_type_code, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset_event (asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | blob_content_type (blct_db_site, blct_db_id, blc_type_code) | blct_db_site, blct_db_id, blc_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#294 sg_ev_meas_event

Description: Segment Events Associated With Measurement Events Which Substantiate the Actual Event

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|--------------------------|
| segment_site | Foreign key reference to Segment_Event.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment_Event.segment_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Segment_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Segment_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Segment_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Segment_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| meas_loc_site | Foreign key reference to Meas_Event.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Event.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Meas_Event.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |

| | | |
|---------------------|---|--|
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start, meas_loc_site, meas_loc_id, gmt_event | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | segment_event (segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | meas_event (meas_loc_site, meas_loc_id, gmt_event) | meas_loc_site, meas_loc_id, gmt_event |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#295 as_ev_meas_event

Description: Asset Events Associated With Measurement Events Which Substantiate the Actual Event

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|--------------------------|
| asset_org_site | Foreign key reference to Asset_Event.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset_Event.asset_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Asset_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Asset_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Asset_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Asset_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| meas_loc_site | Foreign key reference to Meas_Event.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Event.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Meas_Event.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| by_org_asite | | HEXSTRING(16) |
| by_agent_id | | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod | USHORT |

| | | |
|---------------------|---|--|
| | which determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start, meas_loc_site, meas_loc_id, gmt_event | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset_event (asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | meas_event (meas_loc_site, meas_loc_id, gmt_event) | meas_loc_site, meas_loc_id, gmt_event |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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Measurement Setup Entities

#52 data_source

Description: Data Source Asset Entity (Subset of Asset Entity)

This entity is a subset of the asset entity and catalogs all the data asset sources (collectors, monitoring systems, etc.) used to take measurements.

Note: Measurements can be stored in the measurement event entity without data source information, so entries in this entity are not required.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------------------|
| ds_asset_site | Foreign key reference to Asset.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ds_asset_id | Foreign key reference to Asset.asset_id, Included in composite primary key | UINT NOT NULL |
| ds_db_site | Foreign key reference to Data_Source_Type.ds_db_site | HEXSTRING(16) NOT NULL |
| ds_db_id | Foreign key reference to Data_Source_Type.ds_db_id | UINT NOT NULL |
| ds_type_code | Foreign key reference to Data_Source_Type.ds_type_code | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ds_asset_site, ds_asset_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset (asset_org_site, asset_id) | ds_asset_site, ds_asset_id |
| | data_source_type (ds_db_site, ds_db_id, ds_type_code) | ds_db_site, ds_db_id, ds_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#54 transducer

Description: Transducer Asset Entity (Subset of Asset Entity)

This entity is a subset of the asset entity and catalogs all the transducers used to take measurements. The output amplitude and output amplitude units describe the raw analog output signal which comes from the transducer (i.e. 200 millivolts) representing 1 resulting engineering unit (the “per” engineering unit fields, i.e. MIL).

Note: Measurements can be stored in the measurement event entity without transducer information, so entries in this entity are not required.

| Attribute | Description | Size/Type |
|------------------|---|------------------------|
| tr_asset_site | Foreign key reference to Asset.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| tr_asset_id | Foreign key reference to Asset.asset_id, Included in composite primary key | UINT NOT NULL |
| tr_db_site | Foreign key reference to Trans_Type.tr_db_site | HEXSTRING(16) NOT NULL |
| tr_db_id | Foreign key reference to Trans_Type.tr_db_id | UINT NOT NULL |
| tr_type_code | Foreign key reference to Trans_Type.tr_type_code | UINT NOT NULL |
| out_eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) |
| out_eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT |
| out_eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT |
| out_amplitude | | DOUBLE |
| per_eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) |
| per_eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT |
| per_eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT |
| gmt_last_calib | | DATETIME(19:29) |
| self_powered_yn | | STRING(1) |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |

| | | |
|---------------------|---|--|
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | tr_asset_site, tr_asset_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset (asset_org_site, asset_id) | tr_asset_site, tr_asset_id |
| | trans_type (tr_db_site, tr_db_id, tr_type_code) | tr_db_site, tr_db_id, tr_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | out_eu_db_site, out_eu_db_id, out_eu_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | per_eu_db_site, per_eu_db_id, per_eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |
| <u>Check</u> | <u>Attribute</u> | <u>Value Range</u> |
| | self_powered_yn | NULL, 'Y', 'N' |
| | | |

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#47 meas_location

Description: Measurement Location Entity

The **Measurement Location** entity identifies the physical position on an asset or segment where actual measurements will be taken along with the associated **Measurement Location Type**. In order for multiple enterprises to exchange MIMOSA information, every **Measurement Location** must request and utilize its unique, unchanging **MIMOSA Measurement Location Code**.

The **MIMOSA Measurement Location Code** is the **Site**-assigned unique identifier of a **Measurement Location**. Because of multiple methodologies for serialized measurement location tracking identification in different industries and in various monitoring systems installed over time, a **Measurement Location** may be associated with different identifiers relevant to the **Measurement Location** because they are the measurement location's "unique tag" for various databases. Because of this requirement, MIMOSA-compliant systems require that a **Measurement Location** be permanently assigned one and only one **MIMOSA Measurement Location Code** which is composed of the associated **MIMOSA Site Code** (in CRIS, the "meas_loc_site") concatenated with a site-unique, non-negative integer (in CRIS, the "meas_loc_id") which should never change throughout the lifetime of the **Measurement Location**. This **MIMOSA Measurement Location Code (MIMOSA Site Code + "meas_loc_id")** normally does not have any external end-user meaning, but is the vital link for all MIMOSA-compliant systems to properly integrate and associate information to the correct **Measurement Location**. The identical **MIMOSA Measurement Location Code** must remain permanently-unique for the life-time of the **Site**, even though it will most likely have additional temporarily-unique identifier tags assigned to the **Measurement Location** by various systems.

This entity also stores the source of the measurement data, the type of transducer which will be used (if applicable), the degree of the transducer's angular orientation (if applicable), and the corresponding transducer sensitive axis direction code (if applicable).

Note: This entity specifies the default location type which will categorize the measurements which will be collected and stored. Each Measurement Event of a Measurement Location can also map to a location type for an "event-specific" category.

Although this entity does not physically restrict it, a measurement location must be assigned to either a segment or an asset in this entity, as indicated by the segment_or_asset attribute, but not both.

The degree of the transducer's angular orientation (attribute ta_orient_deg) (0-360) and the corresponding transducer sensitive axis direction code, if applicable, is stored in this entity.

The specification of the MIMOSA Vibration Measurement Location Code as specified in Document MIM-VB-001, is based on appending the following attributes together to form a 14-character unique MIMOSA Location Code. The following attributes from this entity are used directly or as foreign key references to create this code:

Component Part => mim_user_prefix (4 characters or XXXX if NULL)

Bearing Housing Location on Machine System => mim_loc_seq (3-digits with leading zeroes)

Transducer Type => trans_type.user_tag_ident (first 2 characters in field referenced by tr_db_site, tr_db_id, tr_type_code or XX if NULL)

Angular Orientation => ta_orient_deg (3 digits with leading zeroes or XXX if NULL)

Transducer Sensitive Axis Direction => 1st character from tr_axis_dir_type.name referenced by ta_db_site, ta_db_id, ta_type_code

Direction of Motion => motion direction (1 character or X if NULL)

Note: The "user_tag_ident" is the user identification tag which follows the nomenclature of the end-user. This is normally an abbreviation or user-defined alpha-numeric code from which the end-user derives meaning. This attribute is mandatory.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|--|------------------------|
| meas_loc_site | Foreign key reference to Site.site_code, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Included in composite primary key | UINT NOT NULL |
| ml_db_site | Foreign key reference to Meas_Loc_Type.ml_db_site | HEXSTRING(16) NOT NULL |
| ml_db_id | Foreign key reference to Meas_Loc_Type.ml_db_id | UINT NOT NULL |
| ml_type_code | Foreign key reference to Meas_Loc_Type.ml_type_code | UINT NOT NULL |
| segment_or_asset | | STRING(1) NOT NULL |
| segment_site | Foreign key reference to Segment.segment_site | HEXSTRING(16) |
| segment_id | Foreign key reference to Segment.segment_id | UINT |
| asset_org_site | Foreign key reference to Asset.asset_org_site | HEXSTRING(16) |
| asset_id | Foreign key reference to Asset.asset_id | UINT |
| ds_db_site | Foreign key reference to Data_Source_Type.ds_db_site | HEXSTRING(16) |
| ds_db_id | Foreign key reference to Data_Source_Type.ds_db_id | UINT |
| ds_type_code | Foreign key reference to Data_Source_Type.ds_type_code | UINT |
| tr_db_site | Foreign key reference to Trans_Type.tr_db_site | HEXSTRING(16) |
| tr_db_id | Foreign key reference to Trans_Type.tr_db_id | UINT |
| tr_type_code | Foreign key reference to Trans_Type.tr_type_code | UINT |
| ta_orient_deg | | UINT |
| ta_db_site | Foreign key reference to Tr_Axis_Dir_Type.ta_db_site | HEXSTRING(16) |

| | | |
|-------------------|--|------------------------|
| ta_db_id | Foreign key reference to Tr_Axis_Dir_Type.ta_db_id | UINT |
| ta_type_code | Foreign key reference to Tr_Axis_Dir_Type.ta_type_code | UINT |
| mim_loc_seq | | UINT |
| motion_direction | Valid 'N' and 'R' | STRING(1) |
| mim_user_prefix | | STRING(4) |
| mc_db_site | Foreign key reference to Mloc_Calc_Type.mc_db_site (Default method that measurement is calculated from raw data) | HEXSTRING(16) |
| mc_db_id | Foreign key reference to Mloc_Calc_Type.mc_db_id | UINT |
| mc_type_code | Foreign key reference to Mloc_Calc_Type.mc_type_code | UINT |
| mc_calc_size | Parameter "x" used for the calculation | UINT |
| update_interval | Default frequency that measurements at this location will be updated | DOUBLE |
| int_eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site (Eng. units for default frequency) | HEXSTRING(16) |
| int_eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT |
| int_eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT |
| collect_duration | Default duration of collection for measurements at this location | DOUBLE |
| dur_eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site (Time eng. units for default collection duration) | HEXSTRING(16) |
| dur_eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT |
| dur_eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT |
| ml_eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site to specify an optional default engineering unit | HEXSTRING(16) |
| ml_eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id to specify an optional default engineering unit | UINT |
| ml_eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code to specify an optional default engineering unit | UINT |
| xml_data_type | Stores the XML data type for the data stored in this measurement location | STRING(254) |
| xml_pattern_regex | Stores the XML regular expression for character data stored in this measurement location | STRING(254) |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| barcode | | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |

| | | |
|---------------------|---|--|
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site (site_code) | meas_loc_site |
| | meas_loc_type (ml_db_site, ml_db_id, ml_type_code) | ml_db_site, ml_db_id, ml_type_code |
| | segment (sement_site, segment_id) | sement_site, segment_id |
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | data_source_type (ds_db_site, ds_db_id, ds_type_code) | ds_db_site, ds_db_id, ds_type_code |
| | trans_type (tr_db_site, tr_db_id, tr_type_code) | tr_db_site, tr_db_id, tr_type_code |
| | tr_axis_dir_type (ta_db_site, ta_db_id, ta_type_code) | ta_db_site, ta_db_id, ta_type_code |
| | mloc_calc_type (mc_db_site, mc_db_id, mc_type_code) | mc_db_site, mc_db_id, mc_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | int_eu_db_site, int_eu_db_id, int_eu_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | dur_eu_db_site, dur_eu_db_id, dur_eu_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | ml_eu_db_site, ml_eu_db_id, ml_eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |
| <u>Check</u> | <u>Attribute</u> | <u>Value Range</u> |
| | segment_or_asset | 'A','S' |
| | motion_direction | 'N','R' |
| | | |

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#344 meas_loc_num_data

Description: Measurement Location Numeric Data Entity

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------|
| meas_loc_site | Foreign key reference to Meas_Location.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Location.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| mln_db_site | Foreign key reference to Mloc_Num_Data_Type.mln_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| mln_db_id | Foreign key reference to Mloc_Num_Data_Type.mln_db_id, Included in composite primary key | UINT NOT NULL |
| mln_type_code | Foreign key reference to Mloc_Num_Data_Type.mln_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, mln_db_site, mln_db_id, mln_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |

| | | |
|--|--|---------------------------------------|
| | meas_location (meas_loc_site, meas_loc_id) | meas_loc_site, meas_loc_id |
| | mloc_num_data_type (mln_db_site, mln_db_id, mln_type_code) | mln_db_site, mln_db_id, mln_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#345 meas_loc_chr_data

Description: Measurement Location Character Data Entity

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------|
| meas_loc_site | Foreign key reference to Meas_Location.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Location.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| mlc_db_site | Foreign key reference to Mloc_Chr_Data_Type.mlc_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| mlc_db_id | Foreign key reference to Mloc_Chr_Data_Type.mlc_db_id, Included in composite primary key | UINT NOT NULL |
| mlc_type_code | Foreign key reference to Mloc_Chr_Data_Type.mlc_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | STRING(0:254) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, mlc_db_site, mlc_db_id, mlc_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |

| | | |
|--|--|---------------------------------------|
| | meas_location (meas_loc_site, meas_loc_id) | meas_loc_site, meas_loc_id |
| | mloc_chr_data_type (mlc_db_site, mlc_db_id, mlc_type_code) | mlc_db_site, mlc_db_id, mlc_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#346 meas_loc_blob_data

Description: Measurement Location Blob Data Entity

| Attribute | Description | Size/Type |
|------------------|--|------------------------|
| meas_loc_site | Foreign key reference to Meas_Location.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Location.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | | UINT NOT NULL |
| blct_db_site | Foreign key reference to Blob_Content_Type.blct_db_site | HEXSTRING(16) NOT NULL |
| blct_db_id | Foreign key reference to Blob_Content_Type.blct_db_id | UINT NOT NULL |
| blc_type_code | Foreign key reference to Blob_Content_Type.blc_type_code | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|--|--|
| | meas_loc_site, meas_loc_id, bd_db_site, bd_db_id, bd_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | meas_location (meas_loc_site, meas_loc_id) | meas_loc_site, meas_loc_id |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | blob_content_type (blct_db_site, blct_db_id, blc_type_code) | blct_db_site, blct_db_id, blc_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#334 meas_loc_assoc

Description: Measurement Location Association Entity

This entity contains measurement locations which are related to one another. An example of its use is to associate a vibration measurement location to its corresponding tachnometer signal measurement location and for multi-channel locations which are related to each other.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------------------|
| meas_loc_site | Foreign key reference to Meas_Location.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Location.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| related_mloc_site | Foreign key reference to Meas_Location.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| related_mloc_id | Foreign key reference to Meas_Location.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, related_mloc_site, related_mloc_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | meas_location (meas_loc_site, meas_loc_id) | meas_loc_site, meas_loc_id |
| | meas_location (meas_loc_site, meas_loc_id) | related_mloc_site, related_mloc_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

Measurement Data Entities

#56 meas_event

Description: Measurement Event History Entity

This entity is a history of data collection events occurring at measurement locations. This event could have recorded a single numeric value of a certain type, or a group of related signal processed measurements. Each measurement event relates back to one measurement location.

Foreign keys are defined to the segment, asset, data collection source, and transducer entities in order for a system to track which segment and/or which asset and which data collection source and transducer the measurement is tied to at this particular instance in time. This entity does not contain the actual data, but the fact that at a given time, at a measurement location which was then associated with a physical object and/or a functional object, a measurement of a certain location type was taken.

Note: The non-mandatory segment_site and segment_id attributes are for measurement locations on assets where the actual segment where the asset is installed needs to be captured with the measurement event.

Note: The non-mandatory asset_org_site and asset_id attributes are for measurement locations on segments where the actual asset installed on the segment needs to be captured with the measurement event.

Note: ev_loc_hr_delta is the number of hours +/- GMT to calculate the correct local time for the event.

Note: st_loc_hr_delta is the number of hours +/- GMT to calculate the correct local time that the event row was stored in the database.

Note: ev_loc_min_delta: If null, assume local minute offset from GMT = 0

Note: st_loc_min_delta: If null, assume local minute offset from GMT = 0

Note: confid_percent: Confidence in measurement accuracy (0 = no confidence, 100 = complete confidence)

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|--|--------------------------|
| meas_loc_site | Foreign key reference to Meas_Location.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Location.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Unique timestamp assigned to this measurement collection, as recorded by collection archive system (must be unique and is normally different than the source stored timestamp below) | DATETIME(19:29) NOT NULL |
| ev_loc_hr_delta | Local event time hour offset from GMT | SHORT |
| ev_loc_min_delta | Local event time minute offset from GMT | USHORT |
| gmt_stored | Timestamp in GMT/UTC when | DATETIME(19:29) |

| | | |
|------------------|--|-----------------|
| | measurement was stored/captured on the original source system or platform (may not be unique) | |
| st_loc_hr_delta | Local source stored/captured time hour offset from GMT | SHORT |
| st_loc_min_delta | Local source stored/captured time minute offset from GMT | USHORT |
| segment_site | Foreign key reference to Segment.segment_site | HEXSTRING(16) |
| segment_id | Foreign key reference to Segment.segment_id | UINT |
| asset_org_site | Foreign key reference to Asset.asset_org_site | HEXSTRING(16) |
| asset_id | Foreign key reference to Asset.asset_id | UINT |
| ds_asset_site | Foreign key reference to Data_Source.ds_asset_site | HEXSTRING(16) |
| ds_asset_id | Foreign key reference to Data_Source.ds_asset_id | UINT |
| tr_asset_site | Foreign key reference to Transducer.tr_asset_site | HEXSTRING(16) |
| tr_asset_id | Foreign key reference to Transducer.tr_asset_id | UINT |
| dqual_type_code | Foreign key reference to Data_Qual_Type.dqual_type_code | USHORT NOT NULL |
| ml_db_site | Foreign key reference to Meas_Loc_Type.ml_db_site (Optional location type which specifically categorizes this measurement event) | HEXSTRING(16) |
| ml_db_id | Foreign key reference to Meas_Loc_Type.ml_db_id | UINT |
| ml_type_code | Foreign key reference to Meas_Loc_Type.ml_type_code | UINT |
| mc_db_site | Foreign key reference to Mloc_Calc_Type.mc_db_site (Actual method that measurement was calculated from raw data) | HEXSTRING(16) |
| mc_db_id | Foreign key reference to Mloc_Calc_Type.mc_db_id | UINT |
| mc_type_code | Foreign key reference to Mloc_Calc_Type.mc_db_id | UINT |
| mc_calc_size | Parameter "x" used for the calculation | UINT |
| collect_duration | Actual duration for this measurement event's data collection | DOUBLE |
| dur_eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site (Eng. units for default collection duration) | HEXSTRING(16) |
| dur_eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT |
| dur_eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT |
| confid_percent | Confidence in measurement accuracy (0 = no confidence, 100 = complete confidence) | USHORT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |

| | | |
|---------------------|---|--|
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, gmt_event | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | meas_location (meas_loc_site, meas_loc_id) | meas_loc_site, meas_loc_id |
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | data_source (ds_asset_site, ds_asset_id) | ds_asset_site, ds_asset_id |
| | transducer (tr_asset_site, tr_asset_id) | tr_asset_site, tr_asset_id |
| | data_qual_type (dqual_type_code) | dqual_type_code |
| | meas_loc_type (ml_db_site, ml_db_id, ml_type_code) | ml_db_site, ml_db_id, ml_type_code |
| | mloc_calc_type (mc_db_site, mc_db_id, mc_type_code) | mc_db_site, mc_db_id, mc_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | dur_eu_db_site, dur_eu_db_id, dur_eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#57 meas_event_rem

Description: Measurement Event Remarks Entity

This entity is where textual remarks for each measurement event are recorded. This entity allows an operator or analyst to enter free-form notes about why this measurement event was recorded, etc.

Note: This entity should NOT store measurement event alpha-numeric character data like dates or user identifiers which should be tracked over time. These should be stored in the measurement event character value entity #59 (mevent_chr_value) with a specific engineering unit associated with it.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|---------------------------------------|
| meas_loc_site | Foreign key reference to Meas_Event.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Event.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Meas_Event.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| remark_text | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, gmt_event, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | meas_event (meas_loc_site, meas_loc_id, gmt_event) | meas_loc_site, meas_loc_id, gmt_event |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#100 meas_event_assoc

Description: Measurement Event Associations

This entity contains measurement events which are related to one another. This is used in vibration to associate a vibration measurement event to its corresponding tachometer signal measurement event and for multi-channel data which are related to each other.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| meas_loc_site | Foreign key reference to Meas_Event.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Event.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Meas_Event.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| related_mloc_site | Foreign key reference to Meas_Event.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| related_mloc_id | Foreign key reference to Meas_Event.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| related_gmt_event | Foreign key reference to Meas_Event.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, gmt_event, related_mloc_site, related_mloc_id, related_gmt_event | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|---|
| | meas_event (meas_loc_site, meas_loc_id, gmt_event) | meas_loc_site, meas_loc_id, gmt_event |
| | meas_event (meas_loc_site, meas_loc_id, gmt_event) | related_mloc_site, related_mloc_id, related_gmt_event |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#58 mevent_num_data

Description: Measurement Event Numeric Data Entity

This entity is where all simple numeric data values which are related to a measurement event for non-signal processed data is stored.

This entity could store simple pressures, temperatures, voltages, load readings, etc. which do not need additional information to interpret.

Note: Do NOT store frequency-related overall vibration amplitude data in this entity. These values should be stored in the signal-processed, single amplitude value/vector entity (sp_ampl_data).

Note: Do NOT store fluid/gas test data nor electrical test data which require a “test type” in order to be comprehended.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|--------------------------|
| meas_loc_site | Foreign key reference to Meas_Event.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Event.gmt_event, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Meas_Event.meas_loc_site, Included in composite primary key | DATETIME(19:29) NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id, Included in composite primary key | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code, Included in composite primary key | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this | USHORT |

| | | |
|---------------------|---|--|
| | entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, gmt_event, eu_db_site, eu_db_id, eu_type_code | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | meas_event (meas_loc_site, meas_loc_id, gmt_event) | meas_loc_site, meas_loc_id, gmt_event |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#498 binary_num_data

Description: Measurement Event Binary Numeric Data

Allows the storage of Unlimited Numeric Data of the same Engineering Unit, Each Paired With an Associated Offset Time from a base reference time associated with a Measurement Event. This entity is usually used to store large amounts of numeric data which was captured intermittently over a period of time from a single reference time. Note that periodically collected time waveform numeric data (i.e., every second) should be stored in the sp_time_data entity.

| Attribute | Description | Size/Type |
|----------------------------|--|--------------------------|
| meas_loc_site | Foreign key reference to Meas_Event.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Event.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Meas_Event.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| ordering_seq | PK, Included in composite primary key | UINT NOT NULL |
| gmt_reference | GMT/UTC reference time (start offset of 0) | DATETIME(19:29) NOT NULL |
| total_data_items | Total number of offset/value data pairs | UINT NOT NULL |
| offsets_eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site (of the offset for each data pair, which would refer to time-related entries such as "millisecond" or "second") | HEXSTRING(16) NOT NULL |
| offsets_eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id (of the offset for each data pair, which would refer to time-related entries such as "millisecond" or "second") | UINT NOT NULL |
| offsets_eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code (of the offset for each data pair, which would refer to time-related entries such as "millisecond" or "second") | UINT NOT NULL |
| offsets_std_data_type_code | Foreign key reference to Standard_Data_Type.std_data_type_code (identifies how offsets are represented as numeric data types in all data pairs (4-byte integer, etc.)) | USHORT NOT NULL |
| values_eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site (of the value for each data pair, which would refer to the engineering unit of the value itself such as "inches", "meters", "GPM", etc.) | HEXSTRING(16) NOT NULL |

| | | |
|---------------------------|--|-----------------------|
| values_eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id (of the value for each data pair, which would refer to the engineering unit of the value itself such as "inches", "meters", "GPM", etc.) | UINT NOT NULL |
| values_eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code (of the value for each data pair, which would refer to the engineering unit of the value itself such as "inches", "meters", "GPM", etc.) | UINT NOT NULL |
| values_std_data_type_code | Foreign key reference to Standard_Data_Type.std-data_type_code (identifies how values are represented as numeric data types in all data pairs (Unsigned 4-byte integer, Signed 8-byte integer, etc.)) | USHORT NOT NULL |
| offsets_binary_data | Variable-length binary field containing all offsets. The offsets are all the time offsets represented in offset_standard_data_type format (4-byte integer, etc.) of the specified offset times in offset Engineering Units (milliseconds, seconds, etc.) associated with each value from time "0" which equals the gmt_reference time. | BASE64BINARY NOT NULL |
| values_binary_data | Variable-length binary field containing all associated values for each offset stored in offset_binary_data. The values are all the numeric data represented in value_standard_data_type format (signed 8-byte integer, etc.) in the specified Engineering Unit Type format (meters, etc.). | BASE64BINARY NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| Primary Key | Attribute(s) | |

| | | |
|--------------|---|--|
| | meas_loc_site, meas_loc_id, gmt_event, ordering_seq | |
| Foreign Keys | Foreign Entity (Attribute(s)) | Attribute(s) |
| | meas_event (meas_loc_site, meas_loc_id, gmt_event) | meas_loc_site, meas_loc_id, gmt_event |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | offsets_eu_db_site, offsets_eu_db_id, offsets_eu_type_code |
| | standard_data_type (std_data_type_code) | offsets_std_data_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | values_eu_db_site, values_eu_db_id, values_eu_type_code |
| | standard_data_type (std_data_type_code) | values_std_data_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#59 mevent_chr_data

Description: Measurement Event Character Data Entity

This entity is where all alpha-numeric data values which are related to a measurement event for non-signal processed data is stored.

This entity stores measurement location data which needs to be tracked over time and contains an alpha-numeric code or date.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| meas_loc_site | Foreign key reference to Meas_Event.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Event.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Meas_Event.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id, Included in composite primary key | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code, Included in composite primary key | UINT NOT NULL |
| data_value | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, gmt_event, eu_db_site, eu_db_id, eu_type_code | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|---------------------------------------|
| | meas_event (meas_loc_site, meas_loc_id, gmt_event) | meas_loc_site, meas_loc_id, gmt_event |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#165 mevent_blob_data

Description: Measurement Event Binary Data

| Attribute | Description | Size/Type |
|------------------|--|--------------------------|
| meas_loc_site | Foreign key reference to Meas_Event.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Event.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Meas_Event.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| mebt_db_site | Foreign key reference to Mevent_blob_Type.mebt_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| mebt_db_id | Foreign key reference to Mevent_blob_Type.mebt_db_id, Included in composite primary key | UINT NOT NULL |
| meb_type_code | Foreign key reference to Mevent_blob_Type.meb_type_code, Included in composite primary key | UINT NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code | UINT NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod | USHORT |

| | | |
|---------------------|---|---|
| | which determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, gmt_event, mebt_db_site, mebt_db_id, meb_type_code, | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | meas_event (meas_loc_site, meas_loc_id, gmt_event) | meas_loc_site, meas_loc_id, gmt_event |
| | mevent_blob_type (mebt_db_site, mebt_db_id, meb_type_code) | mebt_db_site, mebt_db_id, meb_type_code |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#221 blob_grid_data

Description: Blob Grid Data Entity

2-D Linear Rectangular Grid of Numeric Data Associated With Measurement Event BLOB Data – Used for Radiological Data in Thermography, Thickness Data in Ultrasonic Testing, etc.

Note: x_resolution, y_resolution – Total dimensions of the rectangular grid related to the BLOB image (grid resolution)

Note: dat_origin_x, data_origin_y – X, Y coordinates of the origin of the 0-based rectangular grid for the "data rectangle" (top left-most corner)

Note: data_end_x, data_end_y – X, Y coordinates of the end of the 0-based rectangular grid for the "data rectangle" (lower right-most corner)

Note: Float_data – Stored as a stream of 4-byte IEEE DOUBLE values (low-order byte first), starting with coordinates (data_origin_x, data_origin_y) and progressing vertically downward (increment y) until data_end_y is exceeded, whereupon y is then set to data_origin_y and x is incremented until (data_end_x, data_end_y) is reached.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|--|--------------------------|
| meas_loc_site | Foreign key reference to Mevent_Blob_Data.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Mevent_Blob_Data.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Mevent_Blob_Data.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| mebt_db_site | Foreign key reference to Mevent_Blob_Data.mebt_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| mebt_db_id | Foreign key reference to Mevent_Blob_Data.mebt_db_id, Included in composite primary key | UINT NOT NULL |
| meb_type_code | Foreign key reference to Mevent_Blob_Data.meb_type_code, Included in composite primary key | UINT NOT NULL |
| grid_seq | Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| x_resolution | | UINT NOT NULL |
| y_resolution | | UINT NOT NULL |
| data_origin_x | | UINT NOT NULL |
| data_origin_y | | UINT NOT NULL |

| | | |
|---------------------|---|--|
| data_end_x | | UINT NOT NULL |
| data_end_y | | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| float_data | | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, gmt_event, mebt_db_site, mebt_db_id, meb_type_code, grid_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | mevent_blob_data (meas_loc_site, meas_loc_id, gmt_event, mebt_db_site, mebt_db_id, meb_type_code) | meas_loc_site, meas_loc_id, gmt_event, mebt_db_site, mebt_db_id, meb_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#65 signal_proc_blk

Description: Signal Process Block Entity

This entity stores all the signal process block entries specified in a given database, each of a specified signal processing type.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------------------|
| sp_blk_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sp_blk_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| sp_block_id | Included in composite primary key | UINT NOT NULL |
| sp_db_site | Foreign key reference to Signal_Proc_Type.sp_db_site | HEXSTRING(16) NOT NULL |
| sp_db_id | Foreign key reference to Signal_Proc_Type.sp_db_id | UINT NOT NULL |
| sp_type_code | Foreign key reference to Signal_Proc_Type.sp_type_code | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sp_blk_db_site, sp_blk_db_id, sp_block_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | sp_blk_db_site, sp_blk_db_id |
| | signal_proc_type (sp_db_site, sp_db_id, sp_type_code) | sp_db_site, sp_db_id, sp_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#67 sp_blk_num_data

Description: Signal Process Block Numeric Data Entity

This entity stores the numeric data related to an entry in the signal process block entity.

Note: Care must be taken not to change the numeric data of blocks used in a signal process stream if measurements have been stored for the stream.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|------------------------|
| sp_blk_db_site | Foreign key reference to Signal_Proc_Blk.sp_blk_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sp_blk_db_id | Foreign key reference to Signal_Proc_Blk.sp_blk_db_id, Included in composite primary key | UINT NOT NULL |
| sp_block_id | Foreign key reference to Signal_Proc_Blk.sp_blk_id, Included in composite primary key | UINT NOT NULL |
| spn_db_site | Foreign key reference to Sp_Num_Dat_Type.spn_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| spn_db_id | Foreign key reference to Sp_Num_Dat_Type.spn_db_id, Included in composite primary key | UINT NOT NULL |
| spn_type_code | Foreign key reference to Sp_Num_Dat_Type.spn_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|--|--|
| | sp_blk_db_site, sp_blk_db_id, sp_block_id, spn_db_site, spn_db_id, spn_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | signal_proc_blk (sp_blk_db_site, sp_blk_db_id, sp_block_id) | sp_blk_db_site, sp_blk_db_id, sp_block_id |
| | sp_num_dat_type (spn_db_site, spn_db_id, spn_type_code) | spn_db_site, spn_db_id, spn_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#68 sp_stream

Description: Signal Process Stream Entity

This entity stores the signal process streams for a given database. These streams contain sequences of signal process blocks which define the processing sequence which data passed through

Note: Actual single amplitude value/vector data, FFT data, time waveform data, and CPB data can optionally be associated with an entry in this entity.

| Attribute | Description | Size/Type |
|---------------------|---|---|
| sp_str_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sp_str_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| sp_stream_id | Included in composite primary key | UINT NOT NULL |
| sps_type_db_site | Foreign key reference to Sp_Stream_Type.sps_type_db_site | HEXSTRING(16) NOT NULL |
| sps_type_db_id | Foreign key reference to Sp_Stream_Type.sps_type_db_id | UINT NOT NULL |
| sps_type_code | Foreign key reference to Sp_Stream_Type.sps_type_code | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sp_str_db_site, sp_str_db_id, sp_stream_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | sp_str_db_site, sp_str_db_id |
| | sp_stream_type (sps_type_db_site, sps_type_db_id, sps_type_code) | sps_type_db_site, sps_type_db_id, sps_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

#69 sp_stream_block

Description: Signal Process Stream Blocks Entity

This entity details the sequence of signal process blocks for each signal process stream.

Note: Care must be taken not to change the sequence of blocks in a stream if measurements have been stored for the stream. Normally, a new stream should be defined instead of updating the original stream.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| sp_str_db_site | Foreign key reference to Sp_Stream.sp_str_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sp_str_db_id | Foreign key reference to Sp_Stream.sp_str_db_id, Included in composite primary key | UINT NOT NULL |
| sp_stream_id | Foreign key reference to Sp_Stream.sp_stream_id, Included in composite primary key | UINT NOT NULL |
| sp_blk_db_site | Foreign key reference to Signal_Proc_Blk.sp_blk_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sp_blk_db_id | Foreign key reference to Signal_Proc_Blk.sp_blk_db_id, Included in composite primary key | UINT NOT NULL |
| sp_block_id | Foreign key reference to Signal_Proc_Blk.sp_block_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sp_str_db_site, sp_str_db_id, sp_stream_id, sp_blk_db_site, sp_blk_db_id, sp_block_id | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|---|--|
| | sp_stream (sp_str_db_site, sp_str_db_id, sp_stream_id) | sp_str_db_site, sp_str_db_id, sp_stream_id |
| | signal_proc_blk (sp_blk_db_site, sp_blk_db_id, sp_block_id) | sp_blk_db_site, sp_blk_db_id, sp_block_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#75 sp_ampl_data

Description: Signal-Processer Frequency/Order Single Amplitude/Vector Data Entity

This entity stores one or more single amplitueds AND/OR single vectors which are related to frequency or order ranges which resulted as an output of a measurement event.

Note: A vector can be stored by placing the angle in degrees in the angle_in_degrees attribute.

Note: If the source signal detector type is “FFT Power RMS”, the amplitude field is calculated from the spectra by taking the square root of the sum of all amplitude values squared which is then divided by the window factor.

| Attribute | Description | Size/Type |
|------------------|--|--------------------------|
| meas_loc_site | Foreign key reference to Meas_Event.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Event.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Meas_Event.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| pst_sc_db_site | Foreign key reference to Post_Scaling_Type.pst_sc_db_site | HEXSTRING(16) NOT NULL |
| pst_sc_db_id | Foreign key reference to Post_Scaling_Type.pst_sc_db_id | UINT NOT NULL |
| pst_sc_type_code | Foreign key reference to Post_Scaling_Type.pst_sc_type_code | UINT NOT NULL |
| freq_or_order | | STRING(1) NOT NULL |
| min_in_hz_or_ord | | DOUBLE NOT NULL |
| max_in_hz_or_ord | | DOUBLE NOT NULL |
| src_dt_db_site | Foreign key reference to Src_Detect_Type.src_dt_db_site | HEXSTRING(16) |
| src_dt_db_id | Foreign key reference to Src_Detect_Type.src_dt_db_id | UINT |
| src_dt_type_code | Foreign key reference to Src_Detect_Type.src_dt_type_code | UINT |
| sp_str_db_site | Foreign key reference to Sp_Stream.sp_str_db_site | HEXSTRING(16) |
| sp_str_db_id | Foreign key reference to Sp_Stream.sp_str_db_id | UINT |
| sp_stream_id | Foreign key reference to Sp_Stream.sp_stream_id | UINT |

| | | |
|---------------------|---|--|
| assoc_rpm_in_hz | | DOUBLE |
| amplitude | | DOUBLE NOT NULL |
| angle_in_degrees | | DOUBLE |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, gmt_event, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | meas_event (meas_loc_site, meas_loc_id, gmt_event) | meas_loc_site, meas_loc_id, gmt_event |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | post_scaling_type (pst_sc_db_site, pst_sc_db_id, pst_sc_type_code) | pst_sc_db_site, pst_sc_db_id, pst_sc_type_code |
| | src_detect_type (src_dt_db_site, src_dt_db_id, src_dt_type_code) | src_dt_db_site, src_dt_db_id, src_dt_type_code |
| | sp_stream (sp_str_db_site, sp_str_db_id, sp_stream_id) | sp_str_db_site, sp_str_db_id, sp_stream_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |
| <u>Check</u> | <u>Attribute</u> | <u>Value Range</u> |
| | freq_or_order | 'F','O' |
| | | |

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#81 sp_fft_data

Description: Signal-Processed, Real/Complex Linear Frequency/Order FFT Spectrum Data Entity

This entity stores real-only or complex FFT data which is related to a frequency or order range which resulted as an output of a measurement event.

Note: The spectrum_data attribute is a variable-length binary field, first containing 4-byte IEEE float real values for each line of resolution in the spectra. If the complex_yn field = 'Y', the imaginary DOUBLE values in 4-byte IEEE format follow the set of real values.

The IEEE format is:

--> Low-Order Byte First

bits 0-22 --> Mantissa

bits 23-30 --> Exponent

bit 31 --> Sign

Note: The bin width = (max_in_hz_or_ord – min_in_hz_or_ord)/resolution_lines

Note: The frequency/order associated with the first line of the spectrum = min_in_hz_or_ord + the bin width

Note: The ave_overlap_pct attribute is a percentage ranging from 0 to 100 of the average overlap percentage used.

| Attribute | Description | Size/Type |
|------------------|--|--------------------------|
| meas_loc_site | Foreign key reference to Meas_Event.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Event.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Meas_Event.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| pst_sc_db_site | Foreign key reference to Post_Scaling_Type.pst_sc_db_site | HEXSTRING(16) NOT NULL |
| pst_sc_db_id | Foreign key reference to Post_Scaling_Type.pst_sc_db_id | UINT NOT NULL |
| pst_sc_type_code | Foreign key reference to | UINT NOT NULL |

| | | |
|------------------|---|------------------------|
| | Post_Scaling_Type.pst_sc_type_code | |
| freq_or_order | | STRING(1) NOT NULL |
| min_in_hz_or_ord | | DOUBLE NOT NULL |
| max_in_hz_or_ord | | DOUBLE NOT NULL |
| resolution_lines | | UINT NOT NULL |
| win_db_site | Foreign key reference to Window_Type.win_db_site | HEXSTRING(16) NOT NULL |
| win_db_id | Foreign key reference to Window_Type.win_db_id | UINT NOT NULL |
| win_type_code | Foreign key reference to Window_Type.win_type_code | UINT NOT NULL |
| ave_db_site | Foreign key reference to Average_Type.ave_db_site | HEXSTRING(16) |
| ave_db_id | Foreign key reference to Average_Type.ave_db_id | UINT |
| ave_type_code | Foreign key reference to Average_Type.ave_type_code | UINT |
| ave_wt_db_site | Foreign key reference to Ave_Weight_Type.ave_wt_db_site | HEXSTRING(16) |
| ave_wt_db_id | Foreign key reference to Ave_Weight_Type.ave_wt_db_id | UINT |
| ave_wt_type_code | Foreign key reference to Ave_Weight_Type.ave_wt_type_code | UINT |
| ave_sy_db_site | Foreign key reference to Ave_Synch_Type.ave_sy_db_site | HEXSTRING(16) |
| ave_sy_db_id | Foreign key reference to Ave_Synch_Type.ave_sy_db_id | UINT |
| ave_sy_type_code | Foreign key reference to Ave_Synch_Type.ave_sy_type_code | UINT |
| ave_overlap_pct | | DOUBLE |
| num_of_averages | | UINT |
| sp_str_db_site | Foreign key reference to Sp_Stream.sp_str_db_site | HEXSTRING(16) |
| sp_str_db_id | Foreign key reference to Sp_Stream.sp_str_db_id | UINT |
| sp_stream_id | Foreign key reference to Sp_Stream.sp_stream_id | UINT |
| assoc_rpm_in_hz | | DOUBLE |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| dc_level | | DOUBLE |
| complex_yn | | STRING(1) NOT NULL |
| spectrum_data | | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |

| | | |
|---------------------|---|--|
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, gmt_event, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | meas_event (meas_loc_site, meas_loc_id, gmt_event) | meas_loc_site, meas_loc_id, gmt_event |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | post_scaling_type (pst_sc_db_site, pst_sc_db_id, pst_sc_type_code) | pst_sc_db_site, pst_sc_db_id, pst_sc_type_code |
| | window_type (win_db_site, win_db_id, win_type_code) | win_db_site, win_db_id, win_type_code |
| | average_type (ave_db_site, ave_db_id, ave_type_code) | ave_db_site, ave_db_id, ave_type_code |
| | ave_weight_type (ave_wt_db_site, ave_wt_db_id, ave_wt_type_code) | ave_wt_db_site, ave_wt_db_id, ave_wt_type_code |
| | ave_synch_type (ave_sy_db_site, ave_sy_db_id, ave_sy_type_code) | ave_sy_db_site, ave_sy_db_id, ave_sy_type_code |
| | sp_stream (sp_str_db_site, sp_str_db_id, sp_stream_id) | sp_str_db_site, sp_str_db_id, sp_stream_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |
| <u>Check</u> | <u>Attribute</u> | <u>Value Range</u> |
| | freq_or_order | 'F','O' |
| | complex_yn | 'Y','N' |
| | | |

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#83 sp_time_data

Description: Signal-Processed, Real/Complex Linear Time Waveform Data Entity

This entity stores real-only or complex time waveform data which resulted as an output of a measurement event. A complex time waveform is obtained when you have a decimated signal over a certain frequency range.

Note: The waveform_data attribute is a variable-length binary field, first containing number_of_samples 4-byte IEEE float real values. If the complex_yn field = 'Y', another set of number_of_samples 4-byte IEEE DOUBLE format values, the imaginary values, follow the set of real values.

The IEEE format is:

--> Low-Order Byte First

bits 0-22 --> Mantissa

bits 23-30 --> Exponent

bit 31 --> Sign

Note: The off_secs_or_revs attribute is the delta offset start time in seconds or offset number of revolutions from gmt_event time when the sample started.

Note: The ave_overlap_pct attribute is a percentage ranging from 0 to 100 of the average overlap percentage used.

| Attribute | Description | Size/Type |
|-------------------|--|--------------------------|
| meas_loc_site | Foreign key reference to Meas_Event.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Event.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Meas_Event.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| secs_or_revs | | STRING(1) NOT NULL |
| off_secs_or_revs | | DOUBLE NOT NULL |
| max_secs_or_revs | | DOUBLE NOT NULL |
| number_of_samples | | DOUBLE NOT NULL |
| win_db_site | Foreign key reference to Window_Type.win_db_site | HEXSTRING(16) NOT NULL |

| | | |
|--------------------|---|--------------------|
| win_db_id | Foreign key reference to Window_Type.win_db_id | UINT NOT NULL |
| win_type_code | Foreign key reference to Window_Type.win_type_code | UINT NOT NULL |
| ave_db_site | Foreign key reference to Average_Type.ave_db_site | HEXSTRING(16) |
| ave_db_id | Foreign key reference to Average_Type.ave_db_id | UINT |
| ave_type_code | Foreign key reference to Average_Type.ave_type_code | UINT |
| ave_wt_db_site | Foreign key reference to Ave_Weight_Type.ave_wt_db_site | HEXSTRING(16) |
| ave_wt_db_id | Foreign key reference to Ave_Weight_Type.ave_wt_db_id | UINT |
| ave_wt_type_code | Foreign key reference to Ave_Weight_Type.ave_wt_type_code | UINT |
| ave_sy_db_site | Foreign key reference to Ave_Synch_Type.ave_sy_db_site | HEXSTRING(16) |
| ave_sy_db_id | Foreign key reference to Ave_Synch_Type.ave_sy_db_id | UINT |
| ave_sy_type_code | Foreign key reference to Ave_Synch_Type.ave_sy_type_code | UINT |
| ave_overlap_pct | | DOUBLE |
| num_of_averages | | UINT |
| sp_str_db_site | Foreign key reference to Sp_Stream.sp_str_db_site | HEXSTRING(16) |
| sp_str_db_id | Foreign key reference to Sp_Stream.sp_str_db_id | UINT |
| sp_stream_id | Foreign key reference to Sp_Stream.sp_stream_id | UINT |
| assoc_rpm_in_hz | | DOUBLE |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| complex_yn | | STRING(1) NOT NULL |
| waveform_data | | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, | |

| | | |
|---------------------|--|--|
| | gmt_event, ordering_seq | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | meas_event (meas_loc_site, meas_loc_id, gmt_event) | meas_loc_site, meas_loc_id, gmt_event |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | window_type (win_db_site, win_db_id, win_type_code) | win_db_site, win_db_id, win_type_code |
| | average_type (ave_db_site, ave_db_id, ave_type_code) | ave_db_site, ave_db_id, ave_type_code |
| | ave_weight_type (ave_wt_db_site, ave_wt_db_id, ave_wt_type_code) | ave_wt_db_site, ave_wt_db_id, ave_wt_type_code |
| | ave_synch_type (ave_sy_db_site, ave_sy_db_id, ave_sy_type_code) | ave_sy_db_site, ave_sy_db_id, ave_sy_type_code |
| | sp_stream (sp_str_db_site, sp_str_db_id, sp_stream_id) | sp_str_db_site, sp_str_db_id, sp_stream_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |
| <u>Check</u> | <u>Attribute</u> | <u>Value Range</u> |
| | secs_or_revs | 'S','R' |
| | complex_yn | 'Y','N' |

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#85 sp_cpb_data

Description: Signal-Processed, Real Linear Constant Percentage Band Spectrum Entity

This entity stores real CPB spectrum data which resulted as an output of a measurement event.

Note: The spectrum_data attribute is a variable-length binary field, containing 4-byte IEEE float real values for each band in the spectra.

The IEEE format is:

```
--> Low-Order Byte First
      bits 0-22 --> Mantissa
      bits 23-30 --> Exponent
      bit 31 --> Sign
```

Note: The width_pct_or_oct attribute stores a “P” for percent band width (0 – 100) or an “O” for octave width associated with the band_width attribute.

Note: The field center_in_hz_1bd is the first band’s center frequency in hertz

| Attribute | Description | Size/Type |
|------------------|--|--------------------------|
| meas_loc_site | Foreign key reference to Meas_Event.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Event.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Meas_Event.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| pst_sc_db_site | Foreign key reference to Post_Scaling_Type.pst_sc_db_site | HEXSTRING(16) NOT NULL |
| pst_sc_db_id | Foreign key reference to Post_Scaling_Type.pst_sc_db_id | UINT NOT NULL |
| pst_sc_type_code | Foreign key reference to Post_Scaling_Type.pst_sc_type_code | UINT NOT NULL |
| number_of_bands | | UINT NOT NULL |
| center_in_hz_1bd | | DOUBLE NOT NULL |
| width_pct_or_oct | | STRING(1) NOT NULL |
| band_width | | DOUBLE NOT NULL |
| ave_db_site | Foreign key reference to Average_Type.ave_db_site | HEXSTRING(16) |

| | | |
|---------------------|---|---------------------------------------|
| ave_db_id | Foreign key reference to Average_Type.ave_db_id | UINT |
| ave_type_code | Foreign key reference to Average_Type.ave_type_code | UINT |
| ave_wt_db_site | Foreign key reference to Ave_Weight_Type.ave_wt_db_site | HEXSTRING(16) |
| ave_wt_db_id | Foreign key reference to Ave_Weight_Type.ave_wt_db_id | UINT |
| ave_wt_type_code | Foreign key reference to Ave_Weight_Type.ave_wt_type_code | UINT |
| ave_sy_db_site | Foreign key reference to Ave_Synch_Type.ave_sy_db_site | HEXSTRING(16) |
| ave_sy_db_id | Foreign key reference to Ave_Synch_Type.ave_sy_db_id | UINT |
| ave_sy_type_code | Foreign key reference to Ave_Synch_Type.ave_sy_type_code | UINT |
| ave_overlap_pct | | DOUBLE |
| num_of_averages | | UINT |
| sp_str_db_site | Foreign key reference to Sp_Stream.sp_str_db_site | HEXSTRING(16) |
| sp_str_db_id | Foreign key reference to Sp_Stream.sp_str_db_id | UINT |
| sp_stream_id | Foreign key reference to Sp_Stream.sp_stream_id | UINT |
| assoc_rpm_in_hz | | DOUBLE |
| name | Full user-defined name/description | STRING(0:254) |
| spectrum_data | | BASE64BINARY |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, gmt_event, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | meas_event (meas_loc_site, meas_loc_id, gmt_event) | meas_loc_site, meas_loc_id, gmt_event |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |

| | | |
|--------------|--|--|
| | post_scaling_type (pst_sc_db_site, pst_sc_db_id, pst_sc_type_code) | pst_sc_db_site, pst_sc_db_id, pst_sc_type_code |
| | average_type (ave_db_site, ave_db_id, ave_type_code) | ave_db_site, ave_db_id, ave_type_code |
| | ave_weight_type (ave_wt_db_site, ave_wt_db_id, ave_wt_type_code) | ave_wt_db_site, ave_wt_db_id, ave_wt_type_code |
| | ave_synch_type (ave_sy_db_site, ave_sy_db_id, ave_sy_type_code) | ave_sy_db_site, ave_sy_db_id, ave_sy_type_code |
| | sp_stream (sp_str_db_site, sp_str_db_id, sp_stream_id) | sp_str_db_site, sp_str_db_id, sp_stream_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |
| <u>Check</u> | <u>Attribute</u> | <u>Value Range</u> |
| | width_pct_oct | 'P','O' |
| | | |

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#472 test

Description: Information about a Test performed at a Measurement Location

| Attribute | Description | Size/Type |
|----------------------|--|--------------------------|
| meas_loc_site | Foreign key reference to Meas_Event.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Event.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Meas_Event.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| by_agent_site | Foreign key reference to Agent.org_agent_site (Agent Performing Test FK (optional)) | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id (Agent Performing Test FK (optional)) | UINT |
| gmt_recorded | Time test recorded (GMT) | DATETIME(19:29) |
| rec_loc_hr_delta | Local recorded time hour offset from GMT | SHORT |
| rec_loc_min_delta | Local recorded time minute offset from GMT | USHORT |
| test_type_db_site | Foreign key reference to Test_Type.test_type_db_site | HEXSTRING(16) NOT NULL |
| test_type_db_id | Foreign key reference to Test_Type.test_type_db_id | UINT NOT NULL |
| test_type_code | Foreign key reference to Test_Type.test_type_code | UINT NOT NULL |
| gmt_started | Time test started (GMT) | DATETIME(19:29) |
| st_loc_hr_delta | Local test start hour offset from GMT | SHORT |
| st_loc_min_delta | Local test start minute offset from GMT | USHORT |
| gmt_ended | Time test ended (GMT) | DATETIME(19:29) |
| end_loc_hr_delta | Local test end hour offset from GMT | SHORT |
| end_loc_min_delta | Local test end minute offset from GMT | USHORT |
| ds_asset_site | Foreign key reference to Data_Source.ds_asset_site | HEXSTRING(16) |
| ds_asset_id | Foreign key reference to Data_Source.ds_asset_id | UINT |
| tr_asset_site | Foreign key reference to Transducer.tr_asset_site | HEXSTRING(16) |
| tr_asset_id | Foreign key reference to Transducer.tr_asset_id | UINT |
| mat_resource_db_site | Foreign key reference to Materiel_Item.resource_db_site | HEXSTRING(16) |
| mat_resource_db_id | Foreign key reference to Materiel_Item.resource_db_id | UINT |
| mat_resource_id | Foreign key reference to Materiel_Item.resource_id | UINT |

| | | |
|----------------------|---|--|
| sample_meas_loc_site | Foreign key reference to Meas_Sample.meas_loc_site | HEXSTRING(16) |
| sample_meas_loc_id | Foreign key reference to Meas_Sample.meas_loc_id | UINT |
| sample_gmt_event | Foreign key reference to Meas_Sample.gmt_event | DATETIME(19:29) |
| sample_order_seq | Foreign key reference to Meas_Sample.sample_order_seq | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, gmt_event, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | meas_event (meas_loc_site, meas_loc_id, gmt_event) | meas_loc_site, meas_loc_id, gmt_event |
| | agent (org_agent_site, agent_id) | by_agent_site, by_agent_id |
| | test_type (test_type_db_site, test_type_db_id, test_type_code) | test_type_db_site, test_type_db_id, test_type_code |
| | data_source (ds_asset_site, ds_asset_id) | ds_asset_site, ds_asset_id |
| | transducer (tr_asset_site, tr_asset_id) | tr_asset_site, tr_asset_id |
| | materiel_item (resource_db_site, resource_db_id, resource_id) | mat_resource_db_site, mat_resource_db_id, mat_resource_id |
| | meas_sample (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq) | sample_meas_loc_site, sample_meas_loc_id, sample_gmt_event, sample_order_seq |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

#473 test_component

Description: Information (including the data) about a Component of a Test

| Attribute | Description | Size/Type |
|--------------------|---|--------------------------|
| test_meas_loc_site | Foreign key reference to Test.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| test_meas_loc_id | Foreign key reference to Test.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| test_gmt_event | Foreign key reference to Test.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| test_ordering_seq | Foreign key reference to Test.ordering_seq, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| tc_type_db_site | Foreign key reference to Test_Comp_Type.tc_type_db_site | HEXSTRING(16) NOT NULL |
| tc_type_db_id | Foreign key reference to Test_Comp_Type.tc_type_db_id | UINT NOT NULL |
| tc_type_code | Foreign key reference to Test_Comp_Type.tc_type_type_code | UINT NOT NULL |
| gmt_started | Time test started (GMT) | DATETIME(19:29) |
| st_loc_hr_delta | Local test start hour offset from GMT | SHORT |
| st_loc_min_delta | Local test start minute offset from GMT | USHORT |
| gmt_ended | Time test ended (GMT) | DATETIME(19:29) |
| end_loc_hr_delta | Local test end hour offset from GMT | SHORT |
| end_loc_min_delta | Local test end minute offset from GMT | USHORT |
| ncb_data_flag | Flag which indicates the type of data stored for this component. If ncb_data_flag = "N" (numeric), then eu_db_site, eu_db_id, and eu_type_code must be specified and num_data_value specified. If ncb_data_flag = "C" (character), then eu_db_site, eu_db_id, and eu_type_code must be specified and chr_data_value specified. If ncb_data_flag = "B" (blob), then blct_db_site, blct_db_id, and blc_type_code must be specified and image_data specified. | STRING(1) NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT |
| num_data_value | Numeric data (optional) | DOUBLE |
| chr_data_value | Character data (optional) | STRING(0:254) |
| blct_db_site | Foreign key reference to | HEXSTRING(16) |

| | | |
|---------------------|--|---|
| | Blob_Content_Type.blct_db_site | |
| blct_db_id | Foreign key reference to Blob_Content_Type.blct_db_id | UINT |
| blc_type_code | Foreign key reference to Blob_Content_Type.blc_type_code | UINT |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | test_meas_loc_site, test_meas_loc_id, test_gmt_event, test_ordering_seq, ordering_seq | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | test (meas_loc_site, meas_loc_id, gmt_event, ordering_seq) | test_meas_loc_site, test_meas_loc_id, test_gmt_event, test_ordering_seq |
| | test_comp_type (tc_type_db_site, tc_type_db_id, tc_type_code) | tc_type_db_site, tc_type_db_id, tc_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | blob_content_type (blct_db_site, blct_db_id, blc_type_code) | blct_db_site, blct_db_id, blc_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |
| <u>Check</u> | <u>Attribute</u> | <u>Value Range</u> |
| | data_type_flag | 'N','C','B' |

#474 test_comp_group

Description: Information about a Group of Components for a Test

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------------|---|--------------------------|
| test_meas_loc_site | Foreign key reference to Test.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| test_meas_loc_id | Foreign key reference to Test.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| test_gmt_event | Foreign key reference to Test.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| test_ordering_seq | Foreign key reference to Test.ordering_seq, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| tcg_type_db_site | Foreign key reference to Test_Comp_Group_Type.tcg_type_db_site | HEXSTRING(16) NOT NULL |
| tcg_type_db_id | Foreign key reference to Test_Comp_Group_Type.tcg_type_db_id | UINT NOT NULL |
| tcg_type_code | Foreign key reference to Test_Comp_Group_Type.tcg_type_code | UINT NOT NULL |
| gmt_started | Time test started (GMT) | DATETIME(19:29) |
| st_loc_hr_delta | Local test start hour offset from GMT | SHORT |
| st_loc_min_delta | Local test start minute offset from GMT | USHORT |
| gmt_ended | Time test ended (GMT) | DATETIME(19:29) |
| end_loc_hr_delta | Local test end hour offset from GMT | SHORT |
| end_loc_min_delta | Local test end minute offset from GMT | USHORT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | test_meas_loc_site, test_meas_loc_id, test_gmt_event, test_ordering_seq, ordering_seq | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|--|
| | test (meas_loc_site, meas_loc_id, gmt_event, ordering_seq) | test_meas_loc_site, test_meas_loc_id, test_gmt_event, test_ordering_seq |
| | test_comp_group_type (tcg_type_db_site, tcg_type_db_id, tcg_type_code) | tcg_type_db_site, tcg_type_db_id, tcg_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#475 test_comp_in_group

Description: Test Components in a Test Component Group

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------------|---|--------------------------|
| tcg_test_meas_loc_site | Foreign key reference to Test_Comp_Group.test_meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| tcg_test_meas_loc_id | Foreign key reference to Test_Comp_Group.test_meas_loc_id, Included in composite primary key | UINT NOT NULL |
| tcg_test_gmt_event | Foreign key reference to Test_Comp_Group.test_gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| tcg_test_ordering_seq | Foreign key reference to Test_Comp_Group.test_ordering_seq, Included in composite primary key | UINT NOT NULL |
| tcg_ordering_seq | Foreign key reference to Test_Comp_Group.ordering_seq, Included in composite primary key | |
| tc_test_meas_loc_site | Foreign key reference to Test_Component.test_meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| tc_test_meas_loc_id | Foreign key reference to Test_Component.test_meas_loc_id, Included in composite primary key | UINT NOT NULL |
| tc_test_gmt_event | Foreign key reference to Test_Component.test_gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| tc_test_ordering_seq | Foreign key reference to Test_Component.test_ordering_seq, Included in composite primary key | UINT NOT NULL |
| tc_ordering_seq | Foreign key reference to Test_Component.ordering_seq, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which | USHORT |

| | | |
|---------------------|--|---|
| | determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | tcg_test_meas_loc_site, tcg_test_meas_loc_id, tcg_test_gmt_event, tcg_test_ordering_seq, tcg_ordering_seq, tc_test_meas_loc_site, tc_test_meas_loc_id, tc_test_gmt_event, tc_test_ordering_seq, tc_ordering_seq, ordering_seq | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | test_comp_group (test_meas_loc_site, test_meas_loc_id, test_gmt_event, test_ordering_seq, ordering_seq) | tcg_test_meas_loc_site, tcg_test_meas_loc_id, tcg_test_gmt_event, tcg_test_ordering_seq, tcg_ordering_seq |
| | test_component (test_meas_loc_site, test_meas_loc_id, test_gmt_event, test_ordering_seq, ordering_seq) | tc_test_meas_loc_site, tc_test_meas_loc_id, tc_test_gmt_event, tc_test_ordering_seq, tc_ordering_seq |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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Ordered List/Bill of Resources Entities

#48 ordered_list

Description: Ordered List Entity

This entity is used to identify the name of an ordered list which can be used for a route of measurement points or as a bill of resource items (Bill of Materiel, Bill of Tools, etc.)

Note: ord_list_id should be a non-changeable, unique identifier since a primary key cannot change and must uniquely define the entity. System-assigned “hidden” ord_list_id’s are strongly recommended.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-----------------------|---|--|
| ord_list_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Included in composite primary key | UINT NOT NULL |
| ord_list_type_db_site | Foreign key reference to Ordered_List_Type.ord_list_type_db_site | HEXSTRING(16) |
| ord_list_type_db_id | Foreign key reference to Ordered_List_Type.ord_list_type_db_id | UINT |
| ord_list_type_code | Foreign key reference to Ordered_List_Type.ord_list_type_code | UINT |
| name | Full user-defined name/description | STRING(0:254) |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, ord_list_id | |
| | | |
| <u>Foreign Keys</u> | Foreign Entity (Attribute(s)) | Attribute(s) |
| | site_database (db_site, db_id) | ord_list_db_site, ord_list_db_id |
| | ordered_list_type (ord_list_type_db_site, ord_list_type_db_id, ord_list_type_code) | ord_list_type_db_site, ord_list_type_db_id, ord_list_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

#572 ordered_list_child

Description: Ordered List Child Entity

The ordered_list_child entity shows the parent-child relationships of Ordered Lists to each other.

The mandatory ordering sequence specifies the order in which child segments appear when as application requests “all children” of a particular ordered list.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------------|---|------------------------|
| ord_list_db_site | Foreign key reference to Ordered_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Ordered_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Ordered_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| child_ord_list_db_site | Foreign key reference to Ordered_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| child_ord_list_db_id | Foreign key reference to Ordered_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| child_ord_list_id | Foreign key reference to Ordered_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, ord_list_id, child_ord_list_db_site, child_ord_list_db_id, child_ord_list_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |

| | | |
|--|--|---|
| | ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id) | ord_list_db_site, ord_list_db_id, ord_list_id |
| | ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id) | child_ord_list_db_site, child_ord_list_db_id, child_ord_list_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#464 ord_list_num_data

Description: Ordered List Numeric Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------|
| ord_list_db_site | Foreign key reference to Ordered_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Ordered_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Ordered_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| ordn_db_site | Foreign key reference to Ord_List_Num_Dat_Type.ordn_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ordn_db_id | Foreign key reference to Ord_List_Num_Dat_Type.ordn_db_id, Included in composite primary key | UINT NOT NULL |
| ordn_type_code | Foreign key reference to Ord_List_Num_Dat_Type.ordn_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, ord_list_id, ordn_db_site, ordn_db_id, ordn_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |

| | | |
|--|--|---|
| | ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id) | ord_list_db_site, ord_list_db_id, ord_list_id |
| | ord_list_num_dat_type (ordn_db_site, ordn_db_id, ordn_type_code) | ordn_db_site, ordn_db_id, ordn_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#465 ord_list_chr_data

Description: Ordered List Character Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| ord_list_db_site | Foreign key reference to Ordered_list.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Ordered_list.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Ordered_list.ord_list_id, Included in composite primary key | UINT NOT NULL |
| ordc_db_site | Foreign key reference to Ord_List_Chtr_Dat_Type.ordc_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ordc_db_id | Foreign key reference to Ord_List_Chtr_Dat_Type.ordc_db_id, Included in composite primary key | UINT NOT NULL |
| ordc_type_code | Foreign key reference to Ord_List_Chtr_Dat_Type.ordc_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, ord_list_id, ordc_db_site, ordc_db_id, ordc_type_code | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|---|
| | ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id) | ord_list_db_site, ord_list_db_id, ord_list_id |
| | ord_list_chr_dat_type (ordc_db_site, ordc_db_id, ordc_type_code) | ordc_db_site, ordc_db_id, ordc_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#466 ord_list_blob_data

Description: Ordered List Binary Data Entity

This entity will hold all the current binary data related to an Ordered List.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|--|------------------------|
| ord_list_db_site | Foreign key reference to Ordered_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Ordered_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Ordered_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| bd_ordering_seq | Included in composite primary key | UINT NOT NULL |
| blct_db_site | Foreign key reference to Blob_Content_Type.blct_db_site | HEXSTRING(16) NOT NULL |
| blct_db_id | Foreign key reference to Blob_Content_Type.blct_db_id | UINT NOT NULL |
| blc_type_code | Foreign key reference to Blob_Content_Type.blc_type_code | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies | UINT |

| | | |
|---------------------|--|---|
| | the database creating/updating/soft deleting this entry | |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, ord_list_id, bd_db_site, bd_db_id, bd_type_code, bd_ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id) | ord_list_db_site, ord_list_db_id, ord_list_id |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | blob_content_type (blct_db_site, blct_db_id, blc_type_code) | blct_db_site, blct_db_id, blc_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#49 meas_loc_list

Description: Ordered List of Measurement Locations Entity

This entity is used to store the measurement locations for a given ordered list.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|---|
| ord_list_db_site | Foreign key reference to Ordered_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Ordered_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Ordered_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| meas_loc_site | Foreign key reference to Meas_Location.meas_loc_site | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Location.meas_loc_id | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, ord_list_id, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id) | ord_list_db_site, ord_list_db_id, ord_list_id |
| | meas_location (meas_loc_site, meas_loc_id) | meas_loc_site, meas_loc_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#50 mloc_unit_list

Description: Ordered List of Engineering Units at Measurement Locations Entity

This entity is used to store the measurement location with associated engineering units and channel number (set to 1 if not a multi-channel input) which has been requested for data collection/reporting at a certain place (ordering_seq) on an ordered list.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| ord_list_db_site | Foreign key reference to Ordered_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Ordered_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Ordered_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| channel_number | Included in composite primary key | UINT NOT NULL |
| meas_loc_site | Foreign key reference to Meas_Location.meas_loc_site | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Location.meas_loc_id | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, ord_list_id, ordering_seq, channel_number | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|---|
| | ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id) | ord_list_db_site, ord_list_db_id, ord_list_id |
| | meas_location (meas_loc_site, meas_loc_id) | meas_loc_site, meas_loc_id |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#89 sp_ampl_setup

Description: Collection Setup Parameters for Signal-Processed Frequency/Order Single Amplitude/Vector Data Entity

This entity stores the setup parameters used to capture frequency/order single amplitudes (or vectors) for a given database. These setup id's can then be referenced in the mloc_ulist_sp_ampl entity to associate the ordered list's measurement location unit with the signal processing parameters needed to capture the unit in a specified manner.

| Attribute | Description | Size/Type |
|-------------------|---|------------------------|
| spa_setup_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| spa_setup_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| spa_setup_id | Included in composite primary key | UINT NOT NULL |
| pst_sc_db_site | Foreign key reference to Post_Scaling_Type.pst_sc_db_site | HEXSTRING(16) NOT NULL |
| pst_sc_db_id | Foreign key reference to Post_Scaling_Type.pst_sc_db_id | UINT NOT NULL |
| pst_sc_type_code | Foreign key reference to Post_Scaling_Type.pst_sc_type_code | UINT NOT NULL |
| freq_or_order | | STRING(1) NOT NULL |
| min_in_hz_or_ord | | DOUBLE NOT NULL |
| max_in_hz_or_ord | | DOUBLE NOT NULL |
| src_dt_db_site | Foreign key reference to Src_Detect_Type.src_dt_db_site | HEXSTRING(16) |
| src_dt_db_id | Foreign key reference to Src_Detect_Type.src_dt_db_id | UINT |
| src_dt_type_code | Foreign key reference to Src_Detect_Type.src_dt_type_code | UINT |
| sp_str_db_site | Foreign key reference to Sp_Stream.sp_str_db_site | HEXSTRING(16) |
| sp_str_db_id | Foreign key reference to Sp_Stream.sp_str_db_id | UINT |
| sp_stream_id | Foreign key reference to Sp_Stream.sp_stream_id | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |

| | | |
|---------------------|---|--|
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | spa_setup_db_site, spa_setup_db_id, spa_setup_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | spa_setup_db_site, spa_setup_db_id |
| | post_scaling_type (pst_sc_db_site, pst_sc_db_id, pst_sc_type_code) | pst_sc_db_site, pst_sc_db_id, pst_sc_type_code |
| | src_detect_type (src_dt_db_site, src_dt_db_id, src_dt_type_code) | src_dt_db_site, src_dt_db_id, src_dt_type_code |
| | sp_stream (sp_str_db_site, sp_str_db_id, sp_stream_id) | sp_str_db_site, sp_str_db_id, sp_stream_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |
| <u>Check</u> | <u>Attribute</u> | <u>Value Range</u> |
| | freq_or_order | 'F', 'O' |
| | | |

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#93 mloc_ulist_sp_ampl

Description: Collection Setup Parameters Needed to Collect Amplitude Data in the Ordered List of Engineering Units at Measurement Locations Entity

This entity stores the associated collection setup parameter to be used to capture amplitude data for the engineering unit referenced in the ordered list measurement location unit entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| ord_list_db_site | Foreign key reference to Mloc_Unit_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Mloc_Unit_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Mloc_Unit_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Foreign key reference to Mloc_Unit_List.ordering_seq, Included in composite primary key | UINT NOT NULL |
| channel_number | Foreign key reference to Mloc_Unit_List.channel_number, Included in composite primary key | UINT NOT NULL |
| spa_setup_db_site | Foreign key reference to Sp_Ampl_Setup.spa_setup_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| spa_setup_db_id | Foreign key reference to Sp_Ampl_Setup.spa_setup_db_id, Included in composite primary key | UINT NOT NULL |
| spa_setup_id | Foreign key reference to Sp_Ampl_Setup.spa_setup_id, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, | |

| | | |
|---------------------|--|--|
| | ord_list_id, ordering_seq, channel_number, spa_setup_db_site, spa_setup_db_id, spa_setup_id | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | mloc_unit_list (ord_list_db_site, ord_list_db_id, ord_list_id, ordering_seq, channel_number) | ord_list_db_site, ord_list_db_id, ord_list_id, ordering_seq, channel_number |
| | sp_ampl_setup (spa_setup_db_site, spa_setup_db_id, spa_setup_id) | spa_setup_db_site, spa_setup_db_id, spa_setup_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#90 sp_fft_setup

Description: Collection Setup Parameters for Signal-Processed Real/Complex Linear Frequency/Order FFT Spectrum Data Entity

This entity stores the setup parameters used to capture real/complex linear frequency/order FFT spectrum data for a given database. These setup id's can then be referenced in the mloc_ulist_sp_fft entity to associate the ordered list's measurement location unit with the signal processing parameters needed to capture the unit in a specified manner.

| Attribute | Description | Size/Type |
|-------------------|---|------------------------|
| spf_setup_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| spf_setup_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| spf_setup_id | Included in composite primary key | UINT NOT NULL |
| pst_sc_db_site | Foreign key reference to Post_Scaling_Type.pst_sc_db_site | HEXSTRING(16) NOT NULL |
| pst_sc_db_id | Foreign key reference to Post_Scaling_Type.pst_sc_db_id | UINT NOT NULL |
| pst_sc_type_code | Foreign key reference to Post_Scaling_Type.pst_sc_type_code | UINT NOT NULL |
| freq_or_order | | STRING(1) NOT NULL |
| min_in_hz_or_ord | | DOUBLE NOT NULL |
| max_in_hz_or_ord | | DOUBLE NOT NULL |
| resolution_lines | | UINT NOT NULL |
| win_db_site | Foreign key reference to Window_Type.win_db_site | HEXSTRING(16) NOT NULL |
| win_db_id | Foreign key reference to Window_Type.win_db_id | UINT NOT NULL |
| win_type_code | Foreign key reference to Window_Type.win_type_code | UINT NOT NULL |
| ave_db_site | Foreign key reference to Average_Type.ave_db_site | HEXSTRING(16) |
| ave_db_id | Foreign key reference to Average_Type.ave_db_id | UINT |
| ave_type_code | Foreign key reference to Average_Type.ave_type_code | UINT |
| ave_wt_db_site | Foreign key reference to Ave_Weight_Type.ave_wt_db_site | HEXSTRING(16) |
| ave_wt_db_id | Foreign key reference to Ave_Weight_Type.ave_wt_db_id | UINT |
| ave_wt_type_code | Foreign key reference to Ave_Weight_Type.ave_wt_type_code | UINT |
| ave_sy_db_site | Foreign key reference to Ave_Synch_Type.ave_sy_db_site | HEXSTRING(16) |
| ave_sy_db_id | Foreign key reference to Ave_Synch_Type.ave_sy_db_id | UINT |
| ave_sy_type_code | Foreign key reference to Ave_Synch_Type.ave_sy_type_code | UINT |
| ave_overlap_pct | | DOUBLE |
| num_of_averages | | UINT |

| | | |
|---------------------|---|--|
| sp_str_db_site | Foreign key reference to Sp_Stream.sp_str_db_site | HEXSTRING(16) |
| sp_str_db_id | Foreign key reference to Sp_Stream.sp_str_db_id | UINT |
| sp_stream_id | Foreign key reference to Sp_Stream.sp_stream_id | UINT |
| complex_yn | | STRING(1) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | spf_setup_db_site, spf_setup_db_id, spf_setup_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | spf_setup_db_site, spf_setup_db_id |
| | post_scaling_type (pst_sc_db_site, pst_sc_db_id, pst_sc_type_code) | pst_sc_db_site, pst_sc_db_id, pst_sc_type_code |
| | window_type (win_db_site, win_db_id, win_type_code) | win_db_site, win_db_id, win_type_code |
| | average_type (ave_db_site, ave_db_id, ave_type_code) | ave_db_site, ave_db_id, ave_type_code |
| | ave_weight_type (ave_wt_db_site, ave_wt_db_id, ave_wt_type_code) | ave_wt_db_site, ave_wt_db_id, ave_wt_type_code |
| | ave_synch_type (ave_sy_db_site, ave_sy_db_id, ave_sy_type_code) | ave_sy_db_site, ave_sy_db_id, ave_sy_type_code |
| | sp_stream (sp_str_db_site, sp_str_db_id, sp_stream_id) | sp_str_db_site, sp_str_db_id, sp_stream_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |
| <u>Check</u> | <u>Attribute</u> | <u>Value Range</u> |
| | freq_or_order | 'F', 'O' |
| | complex_yn | 'Y', 'N' |

#94 mloc_ulist_sp_fft

Description: Collection Setup Parameters Needed to Collect FFT Spectrum Data in the Ordered List of Engineering Units at Measurement Locations Entity

This entity stores the associated collection setup parameter to be used to capture FFT spectrum data for the engineering unit referenced in the ordered list measurement location unit entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| ord_list_db_site | Foreign key reference to Mloc_Unit_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Mloc_Unit_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Mloc_Unit_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Foreign key reference to Mloc_Unit_List.ordering_seq, Included in composite primary key | UINT NOT NULL |
| channel_number | Foreign key reference to Mloc_Unit_List.channel_number, Included in composite primary key | UINT NOT NULL |
| spf_setup_db_site | Foreign key reference to Sp_Fft_Setup.spf_setup_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| spf_setup_db_id | Foreign key reference to Sp_Fft_Setup.spf_setup_id, Included in composite primary key | UINT NOT NULL |
| spf_setup_id | Foreign key reference to Sp_Fft_Setup.spf_setup_db_site, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, | |

| | | |
|---------------------|--|--|
| | ord_list_id, ordering_seq, channel_number, spf_setup_db_site, spf_setup_db_id, spf_setup_id | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | mloc_unit_list (ord_list_db_site, ord_list_db_id, ord_list_id, ordering_seq, channel_number) | ord_list_db_site, ord_list_db_id, ord_list_id, ordering_seq, channel_number |
| | sp_fft_setup (spf_setup_db_site, spf_setup_db_id, spf_setup_id) | spf_setup_db_site, spf_setup_db_id, spf_setup_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#91 sp_time_setup

Description: Collection Setup Parameters for Signal-Processed Real/Complex Linear Linear Time Waveform Data Entity

This entity stores the setup parameters used to capture real/complex linear time waveform data for a given database. These setup id's can then be referenced in the mloc_ulist_sp_time entity to associate the ordered list's measurement location unit with the signal processing parameters needed to capture the unit in a specified manner.

| Attribute | Description | Size/Type |
|-------------------|---|------------------------|
| spt_setup_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| spt_setup_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| spt_setup_id | Included in composite primary key | UINT NOT NULL |
| secs_or_revs | | STRING(1) NOT NULL |
| off_secs_or_revs | | DOUBLE NOT NULL |
| max_secs_or_revs | | DOUBLE NOT NULL |
| number_of_samples | | DOUBLE NOT NULL |
| win_db_site | Foreign key reference to Window_Type.win_db_site | HEXSTRING(16) NOT NULL |
| win_db_id | Foreign key reference to Window_Type.win_db_id | UINT NOT NULL |
| win_type_code | Foreign key reference to Window_Type.win_type_code | UINT NOT NULL |
| ave_db_site | Foreign key reference to Average_Type.ave_db_site | HEXSTRING(16) |
| ave_db_id | Foreign key reference to Average_Type.ave_db_id | UINT |
| ave_type_code | Foreign key reference to Average_Type.ave_type_code | UINT |
| ave_wt_db_site | Foreign key reference to Ave_Weight_Type.ave_wt_db_site | HEXSTRING(16) |
| ave_wt_db_id | Foreign key reference to Ave_Weight_Type.ave_wt_db_id | UINT |
| ave_wt_type_code | Foreign key reference to Ave_Weight_Type.ave_wt_type_code | UINT |
| ave_sy_db_site | Foreign key reference to Ave_Synch_Type.ave_sy_db_site | HEXSTRING(16) |
| ave_sy_db_id | Foreign key reference to Ave_Synch_Type.ave_sy_db_id | UINT |
| ave_sy_type_code | Foreign key reference to Ave_Synch_Type.ave_sy_type_code | UINT |
| ave_overlap_pct | | DOUBLE |
| num_of_averages | | UINT |
| sp_str_db_site | Foreign key reference to Sp_Stream.sp_str_db_site | HEXSTRING(16) |
| sp_str_db_id | Foreign key reference to Sp_Stream.sp_str_db_id | UINT |

| | | |
|---------------------|---|--|
| sp_stream_id | Foreign key reference to Sp_Stream.sp_stream_id | UINT |
| complex_yn | | STRING(1) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | spt_setup_db_site, spt_setup_db_id, spt_setup_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | spt_setup_db_site, spt_setup_db_id |
| | window_type (win_db_site, win_db_id, win_type_code) | win_db_site, win_db_id, win_type_code |
| | average_type (ave_db_site, ave_db_id, ave_type_code) | ave_db_site, ave_db_id, ave_type_code |
| | ave_weight_type (ave_wt_db_site, ave_wt_db_id, ave_wt_type_code) | ave_wt_db_site, ave_wt_db_id, ave_wt_type_code |
| | ave_synch_type (ave_sy_db_site, ave_sy_db_id, ave_sy_type_code) | ave_sy_db_site, ave_sy_db_id, ave_sy_type_code |
| | sp_stream (sp_str_db_site, sp_str_db_id, sp_stream_id) | sp_str_db_site, sp_str_db_id, sp_stream_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |
| <u>Check</u> | <u>Attribute</u> | <u>Value Range</u> |
| | secs_or_revs | 'S','R' |
| | complex_yn | 'Y','N' |
| | | |

#95 mloc_ulist_sp_time

Description: Collection Setup Parameters Needed to Collect Time Waveform Data in the Ordered List of Engineering Units at Measurement Locations Entity

This entity stores the associated collection setup parameter to be used to capture time waveform data for the engineering unit referenced in the ordered list measurement location unit entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| ord_list_db_site | Foreign key reference to Mloc_Unit_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Mloc_Unit_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Mloc_Unit_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Foreign key reference to Mloc_Unit_List.ordering_seq, Included in composite primary key | UINT NOT NULL |
| channel_number | Foreign key reference to Mloc_Unit_List.channel_number, Included in composite primary key | UINT NOT NULL |
| spt_setup_db_site | Foreign key reference to Sp_Time_Setup.spt_setup_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| spt_setup_db_id | Foreign key reference to Sp_Time_Setup.spt_setup_db_id, Included in composite primary key | UINT NOT NULL |
| spt_setup_id | Foreign key reference to Sp_Time_Setup.spt_setup_id, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, | |

| | | |
|---------------------|--|--|
| | ord_list_id, ordering_seq, channel_number, spt_setup_db_site, spt_setup_db_id, spt_setup_id | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | mloc_unit_list (ord_list_db_site, ord_list_db_id, ord_list_id, ordering_seq, channel_number) | ord_list_db_site, ord_list_db_id, ord_list_id, ordering_seq, channel_number |
| | sp_time_setup (spt_setup_db_site, spt_setup_db_id, spt_setup_id) | spt_setup_db_site, spt_setup_db_id, spt_setup_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#92 sp_cpb_setup

Description: Collection Setup Parameters for Signal-Processed Real Linear Constant Percentage Band Data Entity

This entity stores the setup parameters used to capture real CPB spectrum data for a given database. These setup id's can then be referenced in the mloc_ulist_sp_cpb entity to associate the ordered list's measurement location unit with the signal processing parameters needed to capture the unit in a specified manner.

| Attribute | Description | Size/Type |
|-------------------|---|------------------------|
| spc_setup_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| spc_setup_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| spc_setup_id | Included in composite primary key | UINT NOT NULL |
| pst_sc_db_site | Foreign key reference to Post_Scaling_Type.pst_sc_db_site | HEXSTRING(16) NOT NULL |
| pst_sc_db_id | Foreign key reference to Post_Scaling_Type.pst_sc_db_id | UINT NOT NULL |
| pst_sc_type_code | Foreign key reference to Post_Scaling_Type.pst_sc_type_code | UINT NOT NULL |
| number_of_bands | | UINT NOT NULL |
| center_in_hz_1bd | | DOUBLE NOT NULL |
| width_pct_or_oct | | STRING(1) NOT NULL |
| band_width | | DOUBLE NOT NULL |
| ave_db_site | Foreign key reference to Average_Type.ave_db_site | HEXSTRING(16) |
| ave_db_id | Foreign key reference to Average_Type.ave_db_id | UINT |
| ave_type_code | Foreign key reference to Average_Type.ave_type_code | UINT |
| ave_wt_db_site | Foreign key reference to Ave_Weight_Type.ave_wt_db_site | HEXSTRING(16) |
| ave_wt_db_id | Foreign key reference to Ave_Weight_Type.ave_wt_db_id | UINT |
| ave_wt_type_code | Foreign key reference to Ave_Weight_Type.ave_wt_type_code | UINT |
| ave_sy_db_site | Foreign key reference to Ave_Synch_Type.ave_sy_db_site | HEXSTRING(16) |
| ave_sy_db_id | Foreign key reference to Ave_Synch_Type.ave_sy_db_id | UINT |
| ave_sy_type_code | Foreign key reference to Ave_Synch_Type.ave_sy_type_code | UINT |
| ave_overlap_pct | | DOUBLE |
| num_of_averages | | UINT |
| sp_str_db_site | Foreign key reference to Sp_Stream.sp_str_db_site | HEXSTRING(16) |
| sp_str_db_id | Foreign key reference to Sp_Stream.sp_str_db_id | UINT |

| | | |
|---------------------|---|--|
| sp_stream_id | Foreign key reference to Sp_Stream.sp_stream_id | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | spc_setup_db_site, spc_setup_db_id, spc_setup_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | spc_setup_db_site, spc_setup_db_id |
| | post_scaling_type (pst_sc_db_site, pst_sc_db_id, pst_sc_type_code) | pst_sc_db_site, pst_sc_db_id, pst_sc_type_code |
| | average_type (ave_db_site, ave_db_id, ave_type_code) | ave_db_site, ave_db_id, ave_type_code |
| | ave_weight_type (ave_wt_db_site, ave_wt_db_id, ave_wt_type_code) | ave_wt_db_site, ave_wt_db_id, ave_wt_type_code |
| | ave_synch_type (ave_sy_db_site, ave_sy_db_id, ave_sy_type_code) | ave_sy_db_site, ave_sy_db_id, ave_sy_type_code |
| | sp_stream (sp_str_db_site, sp_str_db_id, sp_stream_id) | sp_str_db_site, sp_str_db_id, sp_stream_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |
| <u>Check</u> | <u>Attribute</u> | <u>Value Range</u> |
| | width_pct_or_oct | 'P','O' |
| | | |

#96 mloc_ulist_sp_cpb

Description: Collection Setup Parameters Needed to Collect CPB Spectrum Data in the Ordered List of Engineering Units at Measurement Locations Entity

This entity stores the associated collection setup parameter to be used to capture CPB spectrum data for the engineering unit referenced in the ordered list measurement location unit entity.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| ord_list_db_site | Foreign key reference to Mloc_Unit_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Mloc_Unit_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Mloc_Unit_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Foreign key reference to Mloc_Unit_List.ordering_seq, Included in composite primary key | UINT NOT NULL |
| channel_number | Foreign key reference to Mloc_Unit_List.channel_number, Included in composite primary key | UINT NOT NULL |
| spc_setup_db_site | Foreign key reference to Sp_Cpb_Setup.spc_setup_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| spc_setup_db_id | Foreign key reference to Sp_Cpb_Setup.spc_setup_db_id, Included in composite primary key | UINT NOT NULL |
| spc_setup_id | Foreign key reference to Sp_Cpb_Setup.spc_setup_id, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, | |

| | | |
|---------------------|--|--|
| | ord_list_id, ordering_seq, channel_number, spc_setup_db_site, spc_setup_db_id, spc_setup_id | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | mloc_unit_list (ord_list_db_site, ord_list_db_id, ord_list_id, ordering_seq, channel_number) | ord_list_db_site, ord_list_db_id, ord_list_id, ordering_seq, channel_number |
| | sp_cpb_setup (spc_setup_db_site, spc_setup_db_id, spc_setup_id) | spc_setup_db_site, spc_setup_db_id, spc_setup_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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Alarm Entities

#317 num_alarm_reg

Description: Measurement Location Numeric Alarm Regions

| Attribute | Description | Size/Type |
|-----------------|--|------------------------|
| alarm_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| alarm_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| meas_loc_site | Foreign key reference to Meas_Location.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Location.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| ml_db_site | Foreign key reference to Meas_Loc_Type.ml_db_site (Optional location type which specifically applies this alarm for a particular category of measurement events which has this matching measurement location type) | HEXSTRING(16) |
| ml_db_id | Foreign key reference to Meas_Loc_Type.ml_db_id | UINT |
| ml_type_code | Foreign key reference to Meas_Loc_Type.ml_type_code | UINT |
| mc_db_site | Foreign key reference to Mloc_Calc_Type.mc_db_site (Optional calculated data method which specifically applies this alarm to a particular category of measurement events which has this matching calculated data method) | HEXSTRING(16) |
| mc_db_id | Foreign key reference to Mloc_Calc_Type.mc_db_id | UINT |
| mc_type_code | Foreign key reference to Mloc_Calc_Type.mc_type_code | UINT |
| al_db_site | Foreign key reference to Alarm_Type.al_db_site | HEXSTRING(16) NOT NULL |
| al_db_id | Foreign key reference to Alarm_Type.al_db_id | UINT NOT NULL |
| al_type_code | Foreign key reference to Alarm_Type.al_type_code | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| gmt_alarm_start | Time alarm becomes effective (GMT) | DATETIME(19:29) NOT |

| | | |
|---------------------|---|---|
| | | NULL |
| st_loc_hr_delta | Start time local hour offset from GMT | SHORT |
| st_loc_min_delta | Start time local minute offset from GMT | USHORT |
| min_amplitude | Minimum value where alarm region begins. If null, then value is “-“ | DOUBLE [removed NOT NULL constraint] |
| max_amplitude | Maximum value where alarm region ends. If null, then value is “+” | DOUBLE [removed NOT NULL constraint] |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | alarm_db_site, alarm_db_id, meas_loc_site, meas_loc_id, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | alarm_db_site, alarm_db_id |
| | meas_location (meas_loc_site, meas_loc_id) | meas_loc_site, meas_loc_id |
| | meas_loc_type (ml_db_site, ml_db_id, ml_type_code) | ml_db_site, ml_db_id, ml_type_code |
| | mloc_calc_type (mc_db_site, mc_db_id, mc_type_code) | mc_db_site, mc_db_id, mc_type_code |
| | alarm_type (al_db_site, al_db_siid, al_type_code) | al_db_site, al_db_siid, al_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#341 num_al_reg_num_data

Description: Numeric Alarm Associated Regions Numeric Data

| Attribute | Description | Size/Type |
|------------------|---|------------------------|
| alarm_db_site | Foreign key reference to Num_Alarm_Reg.alarm_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| alarm_db_id | Foreign key reference to Num_Alarm_Reg.alarm_db_id, Included in composite primary key | UINT NOT NULL |
| al_meas_loc_site | Foreign key reference to Num_Alarm_Reg.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| al_meas_loc_id | Foreign key reference to Num_Alarm_Reg.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| al_ordering_seq | Foreign key reference to Num_Alarm_Reg.ordering_seq, Included in composite primary key | UINT NOT NULL |
| en_db_site | Foreign key reference to Ev_Num_Data_Type.en_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| en_db_id | Foreign key reference to Ev_Num_Data_Type.en_db_id, Included in composite primary key | UINT NOT NULL |
| en_type_code | Foreign key reference to Ev_Num_Data_Type.en_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod | USHORT |

| | | |
|---------------------|---|---|
| | which determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | alarm_db_site, alarm_db_id, al_meas_loc_site, al_meas_loc_id, al_ordering_seq, en_db_site, en_db_id, en_type_code | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | num_alarm_reg (alarm_db_site, alarm_db_id, meas_loc_site, meas_loc_id, ordering_seq) | alarm_db_site, alarm_db_id, al_meas_loc_site, al_meas_loc_id, al_ordering_seq |
| | ev_num_data_type (en_db_site, en_db_id, en_type_code) | en_db_site, en_db_id, en_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#342 num_al_reg_chr_data

Description: Numeric Alarm Associated Regions Character Data

| Attribute | Description | Size/Type |
|------------------|---|------------------------|
| alarm_db_site | Foreign key reference to Num_Alarm_Reg.alarm_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| alarm_db_id | Foreign key reference to Num_Alarm_Reg.alarm_db_id, Included in composite primary key | UINT NOT NULL |
| al_meas_loc_site | Foreign key reference to Num_Alarm_Reg.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| al_meas_loc_id | Foreign key reference to Num_Alarm_Reg.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| al_ordering_seq | Foreign key reference to Num_Alarm_Reg.ordering_seq, Included in composite primary key | UINT NOT NULL |
| ec_db_site | Foreign key reference to Ev_chr_Data_Type.ec_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ec_db_id | Foreign key reference to Ev_chr_Data_Type.ec_db_id, Included in composite primary key | UINT NOT NULL |
| ec_type_code | Foreign key reference to Ev_chr_Data_Type.ec_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | STRING(0:254) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod | USHORT |

| | | |
|---------------------|---|---|
| | which determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | alarm_db_site, alarm_db_id, al_meas_loc_site, al_meas_loc_id, al_ordering_seq, ec_db_site, ec_db_id, ec_type_code | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | num_alarm_reg (alarm_db_site, alarm_db_id, meas_loc_site, meas_loc_id, ordering_seq) | alarm_db_site, alarm_db_id, al_meas_loc_site, al_meas_loc_id, al_ordering_seq |
| | ev_chr_data_type (ec_db_site, ec_db_id, ec_type_code) | ec_db_site, ec_db_id, ec_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#343 num_al_reg_blob_data

Description: Numeric Alarm Associated Regions Blob Data

| Attribute | Description | Size/Type |
|------------------|--|------------------------|
| alarm_db_site | Foreign key reference to Num_alarm_Reg.alarm_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| alarm_db_id | Foreign key reference to Num_alarm_Reg.alarm_db_id, Included in composite primary key | UINT NOT NULL |
| al_meas_loc_site | Foreign key reference to Num_alarm_Reg.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| al_meas_loc_id | Foreign key reference to Num_alarm_Reg.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| al_ordering_seq | Foreign key reference to Num_alarm_Reg.ordering_seq, Included in composite primary key | UINT NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| blct_db_site | Foreign key reference to Blob_Content_Type.blct_db_site | HEXSTRING(16) NOT NULL |
| blct_db_id | Foreign key reference to Blob_Content_Type.blct_db_id | UINT NOT NULL |
| blc_type_code | Foreign key reference to Blob_Content_Type.blc_type_code | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies | HEXSTRING(16) |

| | | |
|---------------------|---|---|
| | the database creating/updating/soft deleting this entry | |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | alarm_db_site, alarm_db_id, al_meas_loc_site, al_meas_loc_id, al_ordering_seq, bd_db_site, bd_db_id, bd_type_code, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | num_alarm_reg (alarm_db_site, alarm_db_id, meas_loc_site, meas_loc_id, ordering_seq) | alarm_db_site, alarm_db_id, al_meas_loc_site, al_meas_loc_id, al_ordering_seq |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | blob_content_type (blct_db_site, blct_db_id, blc_type_code) | blct_db_site, blct_db_id, blc_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#319 spa_alarm_reg

Description: Signal-processed Amplitudes Alarm Regions

| Attribute | Description | Size/Type |
|------------------|--|--------------------------|
| alarm_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| alarm_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| meas_loc_site | Foreign key reference to Meas_Location.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Location.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| ml_db_site | Foreign key reference to Meas_Loc_Type.ml_db_site (Optional location type which specifically applies this alarm for a particular category of measurement events which has this matching measurement location type) | HEXSTRING(16) |
| ml_db_id | Foreign key reference to Meas_Loc_Type.ml_db_id | UINT |
| ml_type_code | Foreign key reference to Meas_Loc_Type.ml_type_code | UINT |
| mc_db_site | Foreign key reference to Mloc_calc_Type.mc_db_site (Optional calculated data method which specifically applies this alarm to a particular category of measurement events which has this matching calculated data method) | HEXSTRING(16) |
| mc_db_id | Foreign key reference to Mloc_calc_Type.mc_db_id | UINT |
| mc_type_code | Foreign key reference to Mloc_calc_Type.mc_type_code | UINT |
| al_db_site | Foreign key reference to Alarm_Type.al_db_site | HEXSTRING(16) NOT NULL |
| al_db_id | Foreign key reference to Alarm_Type.al_db_id | UINT NOT NULL |
| al_type_code | Foreign key reference to Alarm_Type.al_type_code | UINT NOT NULL |
| freq_or_order | | STRING(1) NOT_NULL |
| min_in_hz_or_ord | | DOUBLE NOT_NULL |
| max_in_hz_or_ord | | DOUBLE NOT_NULL |
| gmt_alarm_start | Time alarm becomes effective (GMT) | DATETIME(19:29) NOT NULL |
| st_loc_hr_delta | Time local hour offset from GMT | SHORT |
| st_loc_min_delta | Time local minute offset from GMT | USHORT |

| | | |
|---------------------|---|---|
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| pst_sc_db_site | Foreign key reference to Post_Scaling_Type.pst_sc_db_site | HEXSTRING(16) NOT NULL |
| pst_sc_db_id | Foreign key reference to Post_Scaling_Type.pst_sc_db_id | UINT NOT NULL |
| pst_sc_type_code | Foreign key reference to Post_Scaling_Type.pst_sc_type_code | UINT NOT NULL |
| src_dt_db_site | Foreign key reference to Src_Detect_Type.src_dt_db_site | HEXSTRING(16) |
| src_dt_db_id | Foreign key reference to Src_Detect_Type.src_dt_db_id | UINT |
| src_dt_type_code | Foreign key reference to Src_Detect_Type.src_dt_type_code | UINT |
| min_amplitude | Minimum value where alarm region begins. If null, then value is “-“ | DOUBLE [removed NOT NULL constraint] |
| max_amplitude | Maximum value where alarm region ends. If null, then value is “+” | DOUBLE [removed NOT NULL constraint] |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | alarm_db_site, alarm_db_id, meas_loc_site, meas_loc_id, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | alarm_db_site, alarm_db_id |
| | meas_location (meas_loc_site, meas_loc_id) | meas_loc_site, meas_loc_id |
| | meas_loc_type (ml_db_site, ml_db_id, ml_type_code) | ml_db_site, ml_db_id, ml_type_code |
| | mloc_calc_type (mc_db_site, mc_db_id, mc_type_code) | mc_db_site, mc_db_id, mc_type_code |

| | | |
|--------------|--|--|
| | alarm_type (al_db_site, al_db_id, al_type_code) | al_db_site, al_db_id, al_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | post_scaling_type (pst_sc_db_site, pst_sc_db_id, pst_sc_type_code) | pst_sc_db_site, pst_sc_db_id, pst_sc_type_code |
| | src_detect_type (src_dt_db_site, src_dt_db_id, src_dt_type_code) | src_dt_db_site, src_dt_db_id, src_dt_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |
| <u>Check</u> | <u>Attribute</u> | <u>Value Range</u> |
| | freq_or_order | 'F', 'O' |
| | | |

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#471 mloc_test_comp_alarm_rg

Description: Setup in a given Database for a Measurement Location of the Numeric Alarm Regions in a Database for a Type of Component on a Type of Test

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-------------------|---|------------------------|
| alarm_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| alarm_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| meas_loc_site | Foreign key reference to Meas_Location.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Location.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| test_type_db_site | Foreign key reference to Test_Type.test_type_db_site | HEXSTRING(16) NOT NULL |
| test_type_db_id | Foreign key reference to Test_Type.test_type_db_id | UINT NOT NULL |
| test_type_code | Foreign key reference to Test_Type.test_type_code | UINT NOT NULL |
| tc_type_db_site | Foreign key reference to Test_Comp_Type.tc_type_db_site | HEXSTRING(16) NOT NULL |
| tc_type_db_id | Foreign key reference to Test_Comp_Type.tc_type_db_id | UINT NOT NULL |
| tc_type_code | Foreign key reference to Test_Comp_Type.tc_type_code | UINT NOT NULL |
| al_db_site | Foreign key reference to Alarm_Type.al_db_site | HEXSTRING(16) NOT NULL |
| al_db_id | Foreign key reference to Alarm_Type.al_db_id | UINT NOT NULL |
| al_type_code | Foreign key reference to Alarm_Type.al_type_code | UINT NOT NULL |
| ml_db_site | Foreign key reference to Meas_Loc_Type.ml_db_site (specifically applies this alarm for a particular category of measurement events which has this matching measurement location type) | HEXSTRING(16) |
| ml_db_id | Foreign key reference to Meas_Loc_Type.ml_db_id | UINT |
| ml_type_code | Foreign key reference to Meas_Loc_Type.ml_type_code | UINT |
| mc_db_site | Foreign key reference to Mloc_Calc_Type.mc_db_site (referencing the calculated data method which specifically applies this alarm to a particular category of | HEXSTRING(16) |

| | | |
|----------------------|---|---|
| | measurement events which has this matching calculated data method) | |
| mc_db_id | Foreign key reference to Mloc_Calc_Type.mc_db_id | UINT |
| mc_type_code | Foreign key reference to Mloc_Calc_Type.mc_type_code | UINT |
| mat_resource_db_site | Foreign key reference to Materiel_Item.resource_db_site | HEXSTRING(16) |
| mat_resource_db_id | Foreign key reference to Materiel_Item.resource_db_id | UINT |
| mat_resource_id | Foreign key reference to Materiel_Item.resource_id | UINT |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| gmt_alarm_start | | DATETIME(19:29) NOT NULL |
| st_loc_hr_delta | | SHORT |
| st_loc_min_delta | | USHORT |
| min_data_value | Minimum value where alarm region begins. If null, then value is “-“ | DOUBLE [removed NOT NULL constraint] |
| max_data_value | Maximum value where alarm region ends. If null, then value is “+” | DOUBLE [removed NOT NULL constraint] |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | alarm_db_site, alarm_db_id, meas_loc_site, meas_loc_id, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | alarm_db_site, alarm_db_id |
| | meas_location (meas_loc_site, meas_loc_id) | meas_loc_site, meas_loc_id |

| | | |
|--|--|---|
| | test_type (test_type_db_site, test_type_db_id, test_type_code) | test_type_db_site, test_type_db_id, test_type_code |
| | test_comp_type (tc_type_db_site, tc_type_db_id, tc_type_code) | tc_type_db_site, tc_type_db_id, tc_type_code |
| | alarm_type (al_db_site, al_db_id, al_type_code) | al_db_site, al_db_id, al_type_code |
| | meas_loc_type (ml_db_site, ml_db_id, ml_type_code) | ml_db_site, ml_db_id, ml_type_code |
| | mloc_calc_type (mc_db_site, mc_db_id, mc_type_code) | mc_db_site, mc_db_id, mc_type_code |
| | materiel_item (resource_db_site, resource_db_id, resource_id) | mat_resource_db_site, mat_resource_db_id, mat_resource_id |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#63 mevent_num_alarm

Description: Measurement Event Numeric Data Alarm Entity

This entity stores all the alarms triggered by the numeric value stored in the Measurement Event Numeric Data Entity (mevent_num_data.) If data is available in the Measurement Location Numeric Data Alarm Region Entity (num_alarm_reg), then the alarm data in this entity can be derived and does not need to be stored here. However, some systems do not send all the alarm region data, and we need to store the fact that an alarm was triggered.

Note: MIMOSA maintains the enterprise zero, site zero (meas_loc_site = “0000000000000000”) entries in this entity

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-------------------|---|--------------------------|
| meas_loc_site | Foreign key reference to Mevent_Num_Data.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Mevent_Num_Data.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Mevent_Num_Data.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| eu_db_site | Foreign key reference to Mevent_Num_Data.eu_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Mevent_Num_Data.eu_db_id, Included in composite primary key | UINT NOT NULL |
| eu_type_code | Foreign key reference to Mevent_Num_Data.eu_type_code, Included in composite primary key | UINT NOT NULL |
| al_db_site | Foreign key reference to Alarm_Type.al_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| al_db_id | Foreign key reference to Alarm_Type.al_db_id, Included in composite primary key | UINT NOT NULL |
| al_type_code | Foreign key reference to Alarm_Type.al_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_acknowledged | | DATETIME(19:29) |
| ack_loc_hr_delta | | SHORT |
| ack_loc_min_delta | | USHORT |
| org_agent_site | Foreign key reference to Agent.org_agent_site (Agent which acknowledged the alarm) | HEXSTRING(16) |
| agent_id | Foreign key reference to Agent.agent_id (Agent which acknowledged the alarm) | UINT |

| | | |
|---------------------|---|---|
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, gmt_event, eu_db_site, eu_db_id, eu_type_code, al_db_site, al_db_id, al_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | mevent_num_data (meas_loc_site, meas_loc_id, gmt_event, eu_db_site, eu_db_id, eu_type_code) | meas_loc_site, meas_loc_id, gmt_event, eu_db_site, eu_db_id, eu_type_code |
| | alarm_type (al_db_site, al_db_id, al_type_code) | al_db_site, al_db_siid, al_type_code |
| | agent (org_agent_site, agent_id) | org_agent_site, agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#318 num_al_assoc_reg

Description: Numeric Alarm Associated Regions in Alarm

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|--------------------------|
| meas_loc_site | Foreign key reference to Mevent_Num_Alarm.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Mevent_Num_Alarm.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Mevent_Num_Alarm.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| eu_db_site | Foreign key reference to Mevent_Num_Alarm.eu_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Mevent_Num_Alarm.eu_db_id, Included in composite primary key | UINT NOT NULL |
| eu_type_code | Foreign key reference to Mevent_Num_Alarm.eu_type_code, Included in composite primary key | UINT NOT NULL |
| al_db_site | Foreign key reference to Mevent_Num_Alarm.al_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| al_db_id | Foreign key reference to Mevent_Num_Alarm.al_db_id, Included in composite primary key | UINT NOT NULL |
| al_type_code | Foreign key reference to Mevent_Num_Alarm.al_type_code, Included in composite primary key | UINT NOT NULL |
| alarm_db_site | Foreign key reference to Num_Alarm_Reg.alarm_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| alarm_db_id | Foreign key reference to Num_Alarm_Reg.alarm_db_id, Included in composite primary key | UINT NOT NULL |
| al_meas_loc_site | Foreign key reference to Num_Alarm_Reg.alarm_meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| al_meas_loc_id | Foreign key reference to Num_Alarm_Reg.alarm_meas_loc_id, Included in composite primary key | UINT NOT NULL |
| al_ordering_seq | Foreign key reference to Num_Alarm_Reg.ordering_seq, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change | DATETIME(19:29) |

| | | |
|---------------------|--|---|
| | to this record | |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, gmt_event, eu_db_site, eu_db_id, eu_type_code, al_db_site, al_db_id, al_type_code, alarm_db_site, alarm_db_id, al_meas_loc_site, al_meas_loc_id, al_ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | mevent_num_alarm (meas_loc_site, meas_loc_id, gmt_event, eu_db_site, eu_db_id, eu_type_code, al_db_site, al_db_id, al_type_code) | meas_loc_site, meas_loc_id, gmt_event, eu_db_site, eu_db_id, eu_type_code, al_db_site, al_db_id, al_type_code |
| | num_alarm_reg (alarm_db_site, alarm_db_id, meas_loc_site, meas_loc_id, ordering_seq) | alarm_db_site, alarm_db_id, al_meas_loc_site, al_meas_loc_id, al_ordering_seq |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#79 sp_ampl_alarm

Description: Signal-Processed Frequency/Order Single Amplitude Data Alarm Entity

This entity stores all the alarms triggered by the signal-processed single amplitudes stored in the sp_ampl_data entity. If data is available in the Measurement Location Signal-Processed Single Amplitude Alarm Region Entity, the alarm data in this entity can be derived and does not need to be stored here. However, some systems do not send all the alarm region data and we need to store the fact that an alarm was triggered.

| Attribute | Description | Size/Type |
|-------------------|---|--------------------------|
| meas_loc_site | Foreign key reference to Sp_Ampl_Data.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Sp_Ampl_Data.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Sp_Ampl_Data.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| ordering_seq | Foreign key reference to Sp_Ampl_Data.ordering_seq, Included in composite primary key | UINT NOT NULL |
| al_db_site | Foreign key reference to Alarm_Type.al_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| al_db_id | Foreign key reference to Alarm_Type.al_db_id, Included in composite primary key | UINT NOT NULL |
| al_type_code | Foreign key reference to Alarm_Type.al_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_acknowledged | Time of acknowledgement (GMT) | DATETIME(19:29) |
| ack_loc_hr_delta | Local hour offset from GMT | SHORT |
| ack_loc_min_delta | Local minute offset from GMT | USHORT |
| org_agent_site | Foreign key reference to Agent.org_agent_site (Agent which acknowledged the alarm) | HEXSTRING(16) |
| agent_id | Foreign key reference to Agent.agent_id (Agent which acknowledged the alarm) | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to | UINT |

| | | |
|---------------------|---|---|
| | Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, gmt_event, ordering_seq, al_db_site, al_db_id, al_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sp_ampl_data (meas_loc_site, meas_loc_id, gmt_event, ordering_seq) | meas_loc_site, meas_loc_id, gmt_event, ordering_seq |
| | alarm_type (al_db_site, al_db_id, al_type_code) | al_db_site, al_db_id, al_type_code |
| | agent (org_agent_site, agent_id) | org_agent_site, agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#320 spa_al_assoc_reg

Description: Signal-Processed Amplitude Associated Regions in Alarm

| Attribute | Description | Size/Type |
|------------------|---|--------------------------|
| meas_loc_site | Foreign key reference to Sp_Ampl_Alarm.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Sp_Ampl_Alarm.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Sp_Ampl_Alarm.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| ordering_seq | Foreign key reference to Sp_Ampl_Alarm.ordering_seq, Included in composite primary key | UINT NOT NULL |
| al_db_site | Foreign key reference to Sp_Ampl_Alarm.al_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| al_db_id | Foreign key reference to Sp_Ampl_Alarm.al_db_id, Included in composite primary key | UINT NOT NULL |
| al_type_code | Foreign key reference to Sp_Ampl_Alarm.al_type_code, Included in composite primary key | UINT NOT NULL |
| alarm_db_site | Foreign key reference to Spa_Alarm_Reg.alarm_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| alarm_db_id | Foreign key reference to Spa_Alarm_Reg.alarm_db_id, Included in composite primary key | UINT NOT NULL |
| al_meas_loc_site | Foreign key reference to Spa_Alarm_Reg.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| al_meas_loc_id | Foreign key reference to Spa_Alarm_Reg.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| al_ordering_seq | Foreign key reference to Spa_Alarm_Reg.ordering_seq, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to | UINT |

| | | |
|---------------------|--|---|
| | Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, gmt_event, ordering_seq, al_db_site, al_db_id, al_type_code, alarm_db_site, alarm_db_id, al_meas_loc_site, al_meas_loc_id, al_ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sp_ampl_alarm (meas_loc_site, meas_loc_id, gmt_event, ordering_seq, al_db_site, al_db_id, al_type_code) | meas_loc_site, meas_loc_id, gmt_event, ordering_seq, al_db_site, al_db_id, al_type_code |
| | spa_alarm_reg (alarm_db_site, alarm_db_id, meas_loc_site, meas_loc_id, ordering_seq) | alarm_db_site, alarm_db_id, al_meas_loc_site, al_meas_loc_id, al_ordering_seq |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#120 blob_alarm

Description: Measurement Event BLOB Data Alarm

| Attribute | Description | Size/Type |
|-------------------|---|--------------------------|
| meas_loc_site | Foreign key reference to Mevent_Blob_Data.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Mevent_Blob_Data.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Mevent_Blob_Data.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| mebt_db_site | Foreign key reference to Mevent_Blob_Data.mebt_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| mebt_db_id | Foreign key reference to Mevent_Blob_Data.mebt_db_id, Included in composite primary key | UINT NOT NULL |
| meb_type_code | Foreign key reference to Mevent_Blob_Data.mebt_type_code, Included in composite primary key | UINT NOT NULL |
| al_db_site | Foreign key reference to Alarm_Type.al_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| al_db_id | Foreign key reference to Alarm_Type.al_db_id, Included in composite primary key | UINT NOT NULL |
| al_type_code | Foreign key reference to Alarm_Type.al_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_acknowledged | | DATETIME(19:29) |
| ack_loc_hr_delta | | SHORT |
| ack_loc_min_delta | | USHORT |
| org_agent_site | Foreign key reference to Agent.org_agent_site (Agent which acknowledged the alarm) | HEXSTRING(16) |
| agent_id | Foreign key reference to Agent.agent_id (Agent which acknowledged the alarm) | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to | UINT |

| | | |
|---------------------|--|--|
| | Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, gmt_event, mebt_db_site, mebt_db_id, meb_type_code, al_db_site, al_db_id, al_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | mevent_blob_data (meas_loc_site, meas_loc_id, gmt_event, mebt_db_site, mebt_db_id, meb_type_code) | meas_loc_site, meas_loc_id, gmt_event, mebt_db_site, mebt_db_id, meb_type_code |
| | alarm_type (al_db_site, al_db_id, al_type_code) | al_db_site, al_db_id, al_type_code |
| | agent (org_agent_site, agent_id) | org_agent_site, agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#293 blob_area_alarm

Description: Measurement Event BLOB Data Area in Alarm

| Attribute | Description | Size/Type |
|------------------|---|--------------------------|
| meas_loc_site | Foreign key reference to Mevent_Blob_Data.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Mevent_Blob_Data.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Mevent_Blob_Data.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| mebt_db_site | Foreign key reference to Mevent_Blob_Data.mebt_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| mebt_db_id | Foreign key reference to Mevent_Blob_Data.mebt_db_id, Included in composite primary key | UINT NOT NULL |
| meb_type_code | Foreign key reference to Mevent_Blob_Data.mebt_type_code, Included in composite primary key | UINT NOT NULL |
| area_seq | Included in composite primary key | UINT NOT NULL |
| x_resolution | Total dimensions of the rectangular | UINT NOT NULL |
| y_resolution | Grid related to the BLOB image (grid resolution) | UINT NOT NULL |
| high_db_site | Foreign key reference to Highlight_Type.high_db_site (Highlight area type (arrow, rectangle, etc.)) | HEXSTRING(16) NOT NULL |
| high_db_id | Foreign key reference to Highlight_Type.high_db_id | UINT NOT NULL |
| high_type_code | Foreign key reference to Highlight_Type.high_type_code | UINT NOT NULL |
| data_origin_x | X, Y coordinates of the origin of the | UINT NOT NULL |
| data_origin_y | Highlighted area or point in alarm. This data must be interpreted based on the highlight area type (see description in entity #292 highlight_type) | UINT NOT NULL |
| data_end_x | X, Y coordinates of the end of the | UINT NOT NULL |
| data_end_y | Highlighted area or point in alarm. This data must be interpreted based on the highlight area type (see description in entity #292 highlight_type) | UINT NOT NULL |
| al_db_site | Foreign key reference to Alarm_Type.al_db_site | HEXSTRING(16) NOT NULL |
| al_db_id | Foreign key reference to Alarm_Type.al_db_id | UINT NOT NULL |
| al_type_code | Foreign key reference to Alarm_Type.al_type_code | UINT NOT NULL |
| gmt_acknowledged | | DATETIME(19:29) |
| ack_loc_hr_delta | | SHORT |

| | | |
|---------------------|---|--|
| ack_loc_min_delta | | USHORT |
| org_agent_site | Foreign key reference to Agent.org_agent_site (Agent which acknowledged the alarm) | HEXSTRING(16) |
| agent_id | Foreign key reference to Agent.agent_id (Agent which acknowledged the alarm) | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, gmt_event, mebt_db_site, mebt_db_id, meb_type_code, area_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | mevent_blob_data (meas_loc_site, meas_loc_id, gmt_event, mebt_db_site, mebt_db_id, meb_type_code) | meas_loc_site, meas_loc_id, gmt_event, mebt_db_site, mebt_db_id, meb_type_code |
| | highlight_type (high_db_site, high_db_id, high_type_code) | high_db_site, high_db_id, high_type_code |
| | alarm_type (al_db_site, al_db_id, al_type_code) | al_db_site, al_db_id, al_type_code |
| | agent (org_agent_site, agent_id) | org_agent_site, agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#478 test_comp_alarm_rg

Description: Numeric Alarm Regions for a Component on a Test

| Attribute | Description | Size/Type |
|-----------------------|---|--------------------------|
| tc_test_meas_loc_site | Foreign key reference to Test_Component.test_meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| tc_test_meas_loc_id | Foreign key reference to Test_Component.test_meas_loc_id, Included in composite primary key | UINT NOT NULL |
| tc_test_gmt_event | Foreign key reference to Test_Component.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| tc_test_ordering_seq | Foreign key reference to Test_Component.test_ordering_seq, Included in composite primary key | UINT NOT NULL |
| tc_ordering_seq | Foreign key reference to Test_Component.ordering_seq, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| al_db_site | Foreign key reference to Alarm_Type.al_db_site | HEXSTRING(16) NOT NULL |
| al_db_id | Foreign key reference to Alarm_Type.al_db_id | UINT NOT NULL |
| al_type_code | Foreign key reference to Alarm_Type.al_type_code | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| min_data_value | | DOUBLE |
| max_data_value | | DOUBLE |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|--|--|
| | tc_test_meas_loc_site, tc_test_meas_loc_id, tc_test_gmt_event, tc_test_ordering_seq, tc_ordering_seq, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | test_component (test_meas_loc_site, test_meas_loc_id, test_gmt_event, test_ordering_seq, ordering_seq) | tc_test_meas_loc_site, tc_test_meas_loc_id, tc_test_gmt_event, tc_test_ordering_seq, tc_ordering_seq |
| | alarm_type (al_db_site, al_db_id, al_type_code) | al_db_site, al_db_id, al_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#476 test_comp_alarm

Description: Test Component Alarms

| Attribute | Description | Size/Type |
|-----------------------|---|--------------------------|
| tc_test_meas_loc_site | Foreign key reference to Test_Component.test_meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| tc_test_meas_loc_id | Foreign key reference to Test_Component.test_meas_loc_id, Included in composite primary key | UINT NOT NULL |
| tc_test_gmt_event | Foreign key reference to Test_Component.test_gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| tc_test_ordering_seq | Foreign key reference to Test_Component.test_ordering_seq, Included in composite primary key | UINT NOT NULL |
| tc_ordering_seq | Foreign key reference to Test_Component.ordering_seq, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| al_db_site | Foreign key reference to Alarm_Type.al_db_site | HEXSTRING(16) NOT NULL |
| al_db_id | Foreign key reference to Alarm_Type.al_db_id | UINT NOT NULL |
| al_type_code | Foreign key reference to Alarm_Type.al_type_code | UINT NOT NULL |
| gmt_acknowledged | | DATETIME(19:29) |
| ack_loc_hr_delta | | SHORT |
| ack_loc_min_delta | | USHORT |
| org_agent_site | Foreign key reference to Agent.org_agent_site (Agent which acknowledged the alarm) | HEXSTRING(16) |
| agent_id | Foreign key reference to Agent.agent_id (Agent which acknowledged the alarm) | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|--|--|
| | tc_test_meas_loc_site, tc_test_meas_loc_id, tc_test_gmt_event, tc_test_ordering_seq, tc_ordering_seq, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | test_component (test_meas_loc_site, test_meas_loc_id, test_gmt_event, test_ordering_seq, ordering_seq) | tc_test_meas_loc_site, tc_test_meas_loc_id, tc_test_gmt_event, tc_test_ordering_seq, tc_ordering_seq |
| | alarm_type (al_db_site, al_db_id, al_type_code) | al_db_site, al_db_id, al_type_code |
| | agent (org_agent_site, agent_id) | org_agent_site, agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#477 test_comp_alarm_assoc_mloc_rg

Description: Test Component Alarm's Associated Meas. Location Setup Alarm Regions

| Attribute | Description | Size/Type |
|------------------------|---|--------------------------|
| tca_test_meas_loc_site | Foreign key reference to Test_Comp_Alarm.tc-test_meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| tca_test_meas_loc_id | Foreign key reference to Test_Comp_Alarm.tc-test_meas_loc_id, Included in composite primary key | UINT NOT NULL |
| tca_test_gmt_event | Foreign key reference to Test_Comp_Alarm.tc-test_gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| tca_test_ordering_seq | Foreign key reference to Test_Comp_Alarm.tc-test_ordering_seq, Included in composite primary key | UINT NOT NULL |
| tca_comp_ordering_seq | Foreign key reference to Test_Comp_Alarm.tc-ordering_seq, Included in composite primary key | UINT NOT NULL |
| tca_ordering_seq | Foreign key reference to Test_Comp_Alarm.ordering_seq, Included in composite primary key | UINT NOT NULL |
| alarm_db_site | Foreign key reference to Mloc_Test_Comp_Alarm_Rg.alarm_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| alarm_db_id | Foreign key reference to Mloc_Test_Comp_Alarm_Rg.alarm_db_id, Included in composite primary key | UINT NOT NULL |
| al_meas_loc_site | Foreign key reference to Mloc_Test_Comp_Alarm_Rg.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| al_meas_loc_id | Foreign key reference to Mloc_Test_Comp_Alarm_Rg.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| al_ordering_seq | Foreign key reference to Mloc_Test_Comp_Alarm_Rg.ordering_seq, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies | UINT |

| | | |
|---------------------|---|--|
| | the database creating/updating/soft deleting this entry | |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | tca_test_meas_loc_site, tca_test_meas_loc_id, tca_test_gmt_event, tca_test_ordering_seq, tca_comp_ordering_seq, tca_ordering_seq, alarm_db_site, alarm_db_id, al_meas_loc_site, al_meas_loc_id, al_ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | test_comp_alarm (tc_test_meas_loc_site, tc_test_meas_loc_id, tc_test_gmt_event, tc_test_ordering_seq, tc_ordering_seq, ordering_seq) | tca_test_meas_loc_site, tca_test_meas_loc_id, tca_test_gmt_event, tca_test_ordering_seq, tca_comp_ordering_seq, tca_ordering_seq |
| | mloc_test_comp_alarm_rg (alarm_db_site, alarm_db_id, meas_loc_site, meas_loc_id, ordering_seq) | alarm_db_site, alarm_db_id, al_meas_loc_site, al_meas_loc_id, al_ordering_seq |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#479 test_comp_alarm_assoc_num_rg

Description: Test Component Alarm's Associated Regions in Alarm

| Attribute | Description | Size/Type |
|-------------------------|---|--------------------------|
| tca_test_meas_loc_site | Foreign key reference to Test_Comp_Alarm.tc_test_meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| tca_test_meas_loc_id | Foreign key reference to Test_Comp_Alarm.tc_test_meas_loc_id, Included in composite primary key | UINT NOT NULL |
| tca_test_gmt_event | Foreign key reference to Test_Comp_Alarm.tc_test_gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| tca_test_ordering_seq | Foreign key reference to Test_Comp_Alarm.tc_test_ordering_seq, Included in composite primary key | UINT NOT NULL |
| tca_comp_ordering_seq | Foreign key reference to Test_Comp_Alarm.tc_ordering_seq, Included in composite primary key | UINT NOT NULL |
| tca_ordering_seq | Foreign key reference to Test_Comp_Alarm.ordering_seq, Included in composite primary key | UINT NOT NULL |
| tcar_test_meas_loc_site | Foreign key reference to Test_Comp_Alarm_Rg.tc_test_meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| tcar_test_meas_loc_id | Foreign key reference to Test_Comp_Alarm_Rg.tc_test_meas_loc_id, Included in composite primary key | UINT NOT NULL |
| tcar_test_gmt_event | Foreign key reference to Test_Comp_Alarm_Rg.tc_test_gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| tcar_test_ordering_seq | Foreign key reference to Test_Comp_Alarm_Rg.tc_test_ordering_seq, Included in composite primary key | UINT NOT NULL |
| tcar_comp_ordering_seq | Foreign key reference to Test_Comp_Alarm_Rg.tc_ordering_seq, Included in composite primary key | UINT NOT NULL |
| tcar_ordering_seq | Foreign key reference to Test_Comp_Alarm_Rg.ordering_seq, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to | UINT |

| | | |
|---------------------|---|---|
| | Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | tca_test_meas_loc_site, tca_test_meas_loc_id, tca_test_gmt_event, tca_test_ordering_seq, tca_comp_ordering_seq, tca_ordering_seq, tcar_test_meas_loc_site, tcar_test_meas_loc_id, tcar_test_gmt_event, tcar_test_ordering_seq, tcar_comp_ordering_seq, tcar_ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | test_comp_alarm (tc_test_meas_loc_site, tc_test_meas_loc_id, tc_test_gmt_event, tc_test_ordering_seq, tc_ordering_seq, ordering_seq) | tca_test_meas_loc_site, tca_test_meas_loc_id, tca_test_gmt_event, tca_test_ordering_seq, tca_comp_ordering_seq, tca_ordering_seq |
| | test_comp_alarm_rg (tc_test_meas_loc_site, tc_test_meas_loc_id, tc_test_gmt_event, tc_test_ordering_seq, tc_ordering_seq, ordering_seq) | tcar_test_meas_loc_site, tcar_test_meas_loc_id, tcar_test_gmt_event, tcar_test_ordering_seq, tcar_comp_ordering_seq, tcar_ordering_seq |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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Sample Data Entities

#166 meas_sample

Description: Measurement Sample Entity

Note: The required user_tag_ident field is the alpha-numeric sample number.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|---------------------------------------|
| meas_loc_site | Foreign key reference to Meas_Event.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Event.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Meas_Event.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| sample_order_seq | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| by_agent_site | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, gmt_event, sample_order_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | meas_event (meas_loc_site, meas_loc_id, gmt_event) | meas_loc_site, meas_loc_id, gmt_event |
| | agent (org_agent_site, agent_id) | by_agent_site, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#163 meas_sample_child

Description: Measurement Sample Child Entity

This entity relates a measurement sample master to a subsequent child measurement sample

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| meas_loc_site | Foreign key reference to Meas_Sample.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Sample.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Meas_Sample.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| sample_order_seq | Foreign key reference to Meas_Sample.sample_order_seq, Included in composite primary key | UINT NOT NULL |
| child_mloc_site | Foreign key reference to Meas_Sample.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| child_mloc_id | Foreign key reference to Meas_Sample.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| child_gmt_event | Foreign key reference to Meas_Sample.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| child_sam_ord_seq | Foreign key reference to Meas_Sample.sample_order_seq, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, child_mloc_site, child_mloc_id, | |

| | | |
|---------------------|---|--|
| | child_gmt_event, child_sam_ord_seq | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | meas_sample (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq) | meas_loc_site, meas_loc_id, gmt_event, sample_order_seq |
| | meas_sample (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq) | child_mloc_site, child_mloc_id, child_gmt_event, child_sam_ord_seq |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#213 sample_num_data

Description: Measurement Sample Numeric Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| meas_loc_site | Foreign key reference to Meas_Sample.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Sample.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Meas_Sample.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| sample_order_seq | Foreign key reference to Meas_Sample.sample_order_seq, Included in composite primary key | UINT NOT NULL |
| snum_db_site | Foreign key reference to Sample_Ndata_Type.snum_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| snum_db_id | Foreign key reference to Sample_Ndata_Type.snum_db_id, Included in composite primary key | UINT NOT NULL |
| snum_type_code | Foreign key reference to Sample_Ndata_Type.snum_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type-code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, snum_db_site, | |

| | | |
|---------------------|---|---|
| | snum_db_id, snum_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | meas_sample (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq) | meas_loc_site, meas_loc_id, gmt_event, sample_order_seq |
| | sample_ndata_type (snum_db_site, snum_db_id, snum_type_code) | snum_db_site, snum_db_id, snum_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#288 sample_chr_data

Description: Measurement Sample Character Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| meas_loc_site | Foreign key reference to Meas_Sample.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Sample.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Meas_Sample.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| sample_order_seq | Foreign key reference to Meas_Sample.sample_order_seq, Included in composite primary key | UINT NOT NULL |
| schr_db_site | Foreign key reference to Sample_Cdata_Type.schr_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| schr_db_id | Foreign key reference to Sample_Cdata_Type.schr_db_id, Included in composite primary key | UINT NOT NULL |
| schr_type_code | Foreign key reference to Sample_Cdata_Type.schr_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, | |

| | | |
|---------------------|---|---|
| | gmt_event, sample_order_seq, schr_db_site, schr_db_id, schr_type_code | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | meas_sample (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq) | meas_loc_site, meas_loc_id, gmt_event, sample_order_seq |
| | sample_cdata_type (schr_db_site, schr_db_id, schr_type_code) | schr_db_site, schr_db_id, schr_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#289 sample_remark

Description: Measurement Sample Remark

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|---|
| meas_loc_site | Foreign key reference to Meas_Sample.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Sample.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Meas_Sample.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| sample_order_seq | Foreign key reference to Meas_Sample.sample_order_seq, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| remark_text | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | meas_sample (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq) | meas_loc_site, meas_loc_id, gmt_event, sample_order_seq |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |
| | | |

Engineering Study (RCM, FMECA, Hypothesized Fault Information) Entities

#264 sg_type_function

Description: Function Codes, Descriptions of a Service Segment Type

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| sg_db_site | Foreign key reference to Segment_Type.sg_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_db_id | Foreign key reference to Segment_Type.sg_db_id, Included in composite primary key | UINT NOT NULL |
| sg_type_code | Foreign key reference to Segment_Type.sg_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_created | | DATETIME(19:29) |
| cr_loc_hr_delta | | SHORT |
| cr_loc_min_delta | | USHORT |
| by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | db_site, db_id, sg_db_site, sg_db_id, sg_type_code, ordering_seq | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|---|------------------------------------|
| | site_database (db_site, db_id) | db_site, db_id |
| | segment_type (sg_db_site, sg_db_id, sg_type_code) | sg_db_site, sg_db_id, sg_type_code |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#265 as_type_function

Description: Function Codes, Descriptions of an Asset Type

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------|
| db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| as_db_site | Foreign key reference to Asset_Type.as_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_db_id | Foreign key reference to Asset_Type.as_db_id, Included in composite primary key | UINT NOT NULL |
| as_type_code | Foreign key reference to Asset_Type.as_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_created | | DATETIME(19:29) |
| cr_loc_hr_delta | | SHORT |
| cr_loc_min_delta | | USHORT |
| by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | db_site, db_id, as_db_site, as_db_id, as_type_code, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |

| | | |
|--|---|------------------------------------|
| | site_database (db_site, db_id) | db_site, db_id |
| | asset_type (as_db_site, as_db_id, as_type_code) | as_db_site, as_db_id, as_type_code |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#268 model_function

Description: Function Codes, Descriptions of a Model

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------|
| db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| model_db_site | Foreign key reference to Model.model_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| model_db_id | Foreign key reference to Model.model_db_id, Included in composite primary key | UINT NOT NULL |
| model_id | Foreign key reference to Model.model_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_created | | DATETIME(19:29) |
| cr_loc_hr_delta | | SHORT |
| cr_loc_min_delta | | USHORT |
| by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | db_site, db_id, model_db_site, model_db_id, model_id, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |

| | | |
|--|--|--------------------------------------|
| | site_database (db_site, db_id) | db_site, db_id |
| | model (model_db_site, model_db_id, model_id) | model_db_site, model_db_id, model_id |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#226 segment_function

Description: Function Codes, Descriptions of a Service Segment

| Attribute | Description | Size/Type |
|---------------------|---|----------------------------------|
| db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| segment_site | Foreign key reference to Segment.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment.segment_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_created | | DATETIME(19:29) |
| cr_loc_hr_delta | | SHORT |
| cr_loc_min_delta | | USHORT |
| by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | db_site, db_id, segment_site, segment_id, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | db_site, db_id |
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

#227 asset_function

Description: Function Codes, Descriptions of an Asset

| Attribute | Description | Size/Type |
|---------------------|---|----------------------------------|
| db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| asset_org_site | Foreign key reference to Asset.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset.asset_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_created | | DATETIME(19:29) |
| cr_loc_hr_delta | | SHORT |
| cr_loc_min_delta | | USHORT |
| by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | db_site, db_id, asset_site, asset_id, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | db_site, db_id |
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

#240 sg_typ_hyp_event

Description: Hypothetical Segment Type Events/Possible Failure Modes/Possible Failure Mechanisms

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------------|--|------------------------|
| sgt_hyp_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sgt_hyp_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| sgt_hyp_event_id | Included in composite primary key | UINT NOT NULL |
| sg_db_site | Foreign key reference to Segment_Type.sg_db_site | HEXSTRING(16) NOT NULL |
| sg_db_id | Foreign key reference to Segment_Type.sg_db_id | UINT NOT NULL |
| sg_type_code | Foreign key reference to Segment_Type.sg_type_code | UINT NOT NULL |
| ev_db_site | Foreign key reference to Sg_As_Event_Type.ev_db_site | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Sg_As_Event_Type.ev_db_id | UINT NOT NULL |
| event_type_code | Foreign key reference to Sg_As_Event_Type.event_type_code | UINT NOT NULL |
| severity_lev_db_site | Foreign key reference to Severity_Level_Type.severity_lev_db_site | HEXSTRING(16) NOT NULL |
| severity_lev_db_id | Foreign key reference to Severity_Level_Type.severity_lev_db_id | UINT NOT NULL |
| severity_lev_type_code | Foreign key reference to Severity_Level_Type.severity_lev_type_code | UINT NOT NULL |
| gmt_created | | DATETIME(19:29) |
| cr_loc_hr_delta | | SHORT |
| cr_loc_min_delta | | USHORT |
| by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in associated_blob attribute. If data is present in associated_blob, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| associated_blob | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the | HEXSTRING(16) |

| | | |
|---------------------|---|--|
| | database creating/updating/soft deleting this entry | |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sgt_hyp_db_site, sgt_hyp_db_id, sgt_hyp_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | sgt_hyp_db_site, sgt_hyp_db_id |
| | segment_type (sg_db_site, sg_db_id, sg_type_code) | sg_db_site, sg_db_id, sg_type_code |
| | sg_as_event_type (ev_db_site, ev_db_id, event_type_code) | ev_db_site, ev_db_id, event_type_code |
| | severity_level_type (severity_lev_db_site, severity_lev_db_id, severity_lev_type_code) | severity_lev_db_site, severity_lev_db_id, severity_lev_type_code |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#241 as_typ_hyp_event

Description: Hypothetical Asset Type Events/Possible Failure Modes/Possible Failure Mechanisms

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------------|--|------------------------|
| ast_hyp_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ast_hyp_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| ast_hyp_event_id | Included in composite primary key | UINT NOT NULL |
| as_db_site | Foreign key reference to Asset_Type.as_db_site | HEXSTRING(16) NOT NULL |
| as_db_id | Foreign key reference to Asset_Type.as_db_id | UINT NOT NULL |
| as_type_code | Foreign key reference to Asset_Type.as_type_code | UINT NOT NULL |
| ev_db_site | Foreign key reference to Sg_As_Event_Type.ev_db_site | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Sg_As_Event_Type.ev_db_id | UINT NOT NULL |
| event_type_code | Foreign key reference to Sg_As_Event_Type.event_type_code | UINT NOT NULL |
| severity_lev_db_site | Foreign key reference to Severity_Level_Type.severity_lev_db_site | HEXSTRING(16) NOT NULL |
| severity_lev_db_id | Foreign key reference to Severity_Level_Type.severity_lev_db_id | UINT NOT NULL |
| severity_lev_type_code | Foreign key reference to Severity_Level_Type.severity_lev_type_code | UINT NOT NULL |
| gmt_created | | DATETIME(19:29) |
| cr_loc_hr_delta | | SHORT |
| cr_loc_min_delta | | USHORT |
| by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in associated_blob attribute. If data is present in associated_blob, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| associated_blob | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies | HEXSTRING(16) |

| | | |
|---------------------|---|--|
| | the database creating/updating/soft deleting this entry | |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | ast_hyp_db_site, ast_hyp_db_id |
| | asset_type (as_db_site, as_db_id, as_type_code) | as_db_site, as_db_id, as_type_code |
| | sg_as_event_type (ev_db_site, ev_db_id, event_type_code) | ev_db_site, ev_db_id, event_type_code |
| | severity_level_type (severity_lev_db_site, severity_lev_db_id, severity_lev_type_code) | severity_lev_db_site, severity_lev_db_id, severity_lev_type_code |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#246 model_hyp_event

Description: Hypothetical Model Events/Possible Failure Modes/Possible Failure Mechanisms

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------------|--|------------------------|
| mod_hyp_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| mod_hyp_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| mod_hyp_event_id | Included in composite primary key | UINT NOT NULL |
| model_db_site | Foreign key reference to Model.model_db_site | HEXSTRING(16) NOT NULL |
| model_db_id | Foreign key reference to Model.model_db_id | UINT NOT NULL |
| model_id | Foreign key reference to Model.model_id | UINT NOT NULL |
| ev_db_site | Foreign key reference to Sg_As_Event_Type.ev_db_site | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Sg_As_Event_Type.ev_db_id | UINT NOT NULL |
| event_type_code | Foreign key reference to Sg_As_Event_Type.event_type_code | UINT NOT NULL |
| severity_lev_db_site | Foreign key reference to Severity_Level_Type.severity_lev_db_site | HEXSTRING(16) NOT NULL |
| severity_lev_db_id | Foreign key reference to Severity_Level_Type.severity_lev_db_id | UINT NOT NULL |
| severity_lev_type_code | Foreign key reference to Severity_Level_Type.severity_lev_type_code | UINT NOT NULL |
| gmt_created | | DATETIME(19:29) |
| cr_loc_hr_delta | | SHORT |
| cr_loc_min_delta | | USHORT |
| by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in associated_blob attribute. If data is present in associated_blob, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| associated_blob | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft | HEXSTRING(16) |

| | | |
|---------------------|---|--|
| | deleting this entry | |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | mod_hyp_db_site, mod_hyp_db_id |
| | model (model_db_site, model_db_id, model_id) | model_db_site, model_db_id, model_id |
| | sg_as_event_type (ev_db_site, ev_db_id, event_type_code) | ev_db_site, ev_db_id, event_type_code |
| | severity_level_type (severity_lev_db_site, severity_lev_db_id, severity_lev_type_code) | severity_lev_db_site, severity_lev_db_id, severity_lev_type_code |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#230 sg_hyp_event

Description: Hypothetical Segment Events/Possible Failure Modes/Possible Failure Mechanisms

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------------|--|------------------------|
| sg_hyp_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_hyp_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| sg_hyp_event_id | Included in composite primary key | UINT NOT NULL |
| segment_site | Foreign key reference to Segment.segment_site | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment.segment_id | UINT NOT NULL |
| ev_db_site | Foreign key reference to Sg_As_Event_Type.ev_db_site | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Sg_As_Event_Type.ev_db_id | UINT NOT NULL |
| event_type_code | Foreign key reference to Sg_As_Event_Type.event_type_code | UINT NOT NULL |
| severity_lev_db_site | Foreign key reference to Severity_Level_Type.severity_lev_db_site | HEXSTRING(16) NOT NULL |
| severity_lev_db_id | Foreign key reference to Severity_Level_Type.severity_lev_db_id | UINT NOT NULL |
| severity_lev_type_code | Foreign key reference to Severity_Level_Type.severity_lev_type_code | UINT NOT NULL |
| gmt_created | | DATETIME(19:29) |
| cr_loc_hr_delta | | SHORT |
| cr_loc_min_delta | | USHORT |
| by_org_asite | Foreign key reference to Agent.org_agent_Site | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in associated_blob attribute. If data is present in associated_blob, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| associated_blob | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the | UINT |

| | | |
|---------------------|--|--|
| | database creating/updating/soft deleting this entry | |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | sg_hyp_db_site, sg_hyp_db_id |
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | sg_as_event_type (ev_db_site, ev_db_id, event_type_code) | ev_db_site, ev_db_id, event_type_code |
| | severity_level_type (severity_lev_db_site, severity_lev_db_id, severity_lev_type_code) | severity_lev_db_site, severity_lev_db_id, severity_lev_type_code |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#231 as_hyp_event

Description: Hypothetical Asset Events/Possible Failure Modes/Possible Failure Mechanisms

| Attribute | Description | Size/Type |
|------------------------|--|------------------------|
| as_hyp_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_hyp_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| as_hyp_event_id | Included in composite primary key | UINT NOT NULL |
| asset_org_site | Foreign key reference to Asset.asset_org_site | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset.asset_id | UINT NOT NULL |
| ev_db_site | Foreign key reference to Sg_As_Event_Type.ev_db_site | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Sg_As_Event_Type.ev_db_id | UINT NOT NULL |
| event_type_code | Foreign key reference to Sg_As_Event_Type.event_type_code | UINT NOT NULL |
| severity_lev_db_site | Foreign key reference to Severity_Level_Type.severity_lev_db_site | HEXSTRING(16) NOT NULL |
| severity_lev_db_id | Foreign key reference to Severity_Level_Type.severity_lev_db_id | UINT NOT NULL |
| severity_lev_type_code | Foreign key reference to Severity_Level_Type.severity_lev_type_code | UINT NOT NULL |
| gmt_created | | DATETIME(19:29) |
| cr_loc_hr_delta | | SHORT |
| cr_loc_min_delta | | USHORT |
| by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in associated_blob attribute. If data is present in associated_blob, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| associated_blob | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|---|--|
| | as_hyp_db_site, as_hyp_db_id, as_hyp_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | as_hyp_db_site, as_hyp_db_id |
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | sg_as_event_type (ev_db_site, ev_db_id, event_type_code) | ev_db_site, ev_db_id, event_type_code |
| | severity_level_type (severity_lev_db_site, severity_lev_db_id, severity_lev_type_code) | severity_lev_db_site, severity_lev_db_id, severity_lev_type_code |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#336 sg_hyp_ev_amb_set

Description: Segment Hypothetical Event Ambiguity Set

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------------|---|-------------------------|
| sg_hyp_amb_set_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_hyp_amb_set_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| sg_hyp_amb_set_id | Included in composite primary key | UINT NOT NULL |
| segment_site | Foreign key reference to Segment.segment_site | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment.segment_id | UINT NOT NULL |
| amb_set_db_site | Foreign key reference to Amb_Set_Type.amb_set_db_site | HEXSTRING(16) NOT NULL |
| amb_set_db_id | Foreign key reference to Amb_Set_Type.amb_set_db_id | UINT NOT NULL |
| amb_set_type_code | Foreign key reference to Amb_Set_Type.amb_set_type_code | UINT NOT NULL |
| by_agent_site | Foreign key reference to Agent.org_agent_site (Author) | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Agent.agent_id (Author) | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sg_hyp_amb_set_db_site, sg_hyp_amb_set_db_id, sg_hyp_amb_set_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | sg_hyp_amb_set_db_site, |

| | | |
|--|--|---|
| | | sg_hyp_amb_set_db_id |
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | amb_set_type (amb_set_db_site, amb_set_db_id, amb_set_type_code) | amb_set_db_site, amb_set_db_id, amb_set_type_code |
| | agent (org_agent_site, agent_id) | by_agent_site, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#337 sg_hyp_ev_log_conn

Description: Segment Hypothetical Event Logical Connector Entity

Allows logical expressions to be represented as a logic tree with segment hypothetical event leaf nodes at the bottom. Reverse polish notation of the logical expression is readily formed from this tree.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------------|--|------------------------|
| sg_hyp_amb_set_db_site | Foreign key reference to Sg_Hyp_Ev_Amb_Set.sg_hyp_amb_set_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_hyp_amb_set_db_id | Foreign key reference to Sg_Hyp_Ev_Amb_Set.sg_hyp_amb_set_db_id, Included in composite primary key | UINT NOT NULL |
| sg_hyp_amb_set_id | Foreign key reference to Sg_Hyp_Ev_Amb_Set.sg_hyp_amb_set_id, Included in composite primary key | UINT NOT NULL |
| log_conn_id | Included in composite primary key | UINT NOT NULL |
| lc_db_site | Foreign key reference to Log_connector_Type.lc_db_site, Logical connector type | HEXSTRING(16) NOT NULL |
| lc_db_id | Foreign key reference to Log_connector_Type.lc_db_id, Logical connector type | UINT NOT NULL |
| lc_type_code | Foreign key reference to Log_connector_Type.lc_type_code, Logical connector type | UINT NOT NULL |
| sg_hyp_db_site | Foreign key reference to Sg_Hyp_Event.sg_hyp_db_site, If logical connector type (attributes above) are '0000000000000000', 3, 4" (Leaf), then this is the pointer to the segment hypothetical event | HEXSTRING(16) |
| sg_hyp_db_id | Foreign key reference to Sg_Hyp_Event.sg_hyp_db_id, If logical connector type (attributes above) are '0000000000000000', 3, 4" (Leaf), then this is the pointer to the segment hypothetical event | UINT |
| sg_hyp_event_id | Foreign key reference to Sg_Hyp_Event.sg_hyp_event_id, If logical connector type (attributes above) are '0000000000000000', 3, 4" (Leaf), then this is the pointer to the segment hypothetical event | UINT |
| par_db_site | Foreign key reference to Sg_Hyp_Ev_Log_Conn.sg_hyp_amb_set_db_site parent connector link (if null, this is the root) | UINT |
| par_db_id | Foreign key reference to Sg_Hyp_Ev_Log_Conn.sg_hyp_amb_set_d | UINT |

| | | |
|---------------------|---|---|
| | b_id parent connector link (if null, this is the root) | |
| par_set_id | Foreign key reference to Sg_Hyp_Ev_Log_Conn.sg_hyp_amb_set_id parent connector link (if null, this is the root) | UINT |
| par_log_conn_id | Foreign key reference to Sg_Hyp_Ev_Log_Conn.log_conn_id parent connector link (if null, this is the root) | UINT |
| likelihood_prob | Likelihood probability between 0 and 1 | DOUBLE |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sg_hyp_amb_set_db_site, sg_hyp_amb_set_db_id, sg_hyp_amb_set_id, log_conn_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_hyp_ev_amb_set (sg_hyp_amb_set_db_site, sg_hyp_amb_set_db_id, sg_hyp_amb_set_id) | sg_hyp_amb_set_db_site, sg_hyp_amb_set_db_id, sg_hyp_amb_set_id |
| | log_connector_type (lc_db_site, lc_db_id, lc_type_code) | lc_db_site, lc_db_id, lc_type_code |
| | sg_hyp_event (sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id) | sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id |
| | sg_hyp_ev_log_conn (sg_hyp_amb_set_db_site, sg_hyp_amb_set_db_id, sg_hyp_amb_set_id, log_conn_id) | par_db_site, par_db_id, par_set_id, par_log_conn_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#242 sg_typ_hyp_ev_link

Description: Hypothetical Segment Type Event Cause/Effect Links in an Event Causal Network

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|---------------------------------|
| sgt_hyp_db_site | Foreign key reference to Sg_Typ_Hyp_Event.sgt_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sgt_hyp_db_id | Foreign key reference to Sg_Typ_Hyp_Event.sgt_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| sgt_hyp_event_id | Foreign key reference to Sg_Typ_Hyp_Event.sgt_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| caused_db_site | Foreign key reference to Sg_Typ_Hyp_Event.sgt_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| caused_db_id | Foreign key reference to Sg_Typ_Hyp_Event.sgt_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| caused_event_id | Foreign key reference to Sg_Typ_Hyp_Event.sgt_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| likelihood_prob | Likelihood probability between 0 and 1 | DOUBLE |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sgt_hyp_db_site, sgt_hyp_db_id, sgt_hyp_event_id, caused_db_site, caused_db_id, caused_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_typ_hyp_event (sgt_hyp_db_site, sgt_hyp_db_id, sgt_hyp_event_id) | sgt_hyp_db_site, sgt_hyp_db_id, |

| | | |
|--|---|---|
| | | sgt_hyp_event_id |
| | sg_typ_hyp_event (sgt_hyp_db_site, sgt_hyp_db_id, sgt_hyp_event_id) | caused_db_site, caused_db_id, caused_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#243 as_typ_hyp_ev_link

Description: Hypothetical Asset Type Event Cause/Effect Links in an Event Causal Network

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|--|
| ast_hyp_db_site | Foreign key reference to As_Typ_Hyp_Event.ast_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ast_hyp_db_id | Foreign key reference to As_Typ_Hyp_Event.ast_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| ast_hyp_event_id | Foreign key reference to As_Typ_Hyp_Event.ast_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| caused_db_site | Foreign key reference to As_Typ_Hyp_Event.ast_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| caused_db_id | Foreign key reference to As_Typ_Hyp_Event.ast_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| caused_event_id | Foreign key reference to As_Typ_Hyp_Event.ast_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| likelihood_prob | Likelihood probability between 0 and 1 | DOUBLE |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id, caused_db_site, caused_db_id, caused_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_typ_hyp_event (ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id) | ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id |

| | | |
|--|--|---|
| | as_typ_hyp_event (ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id) | caused_db_site, caused_db_id, caused_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#247 model_hyp_ev_link

Description: Hypothetical Model Event Cause/Effect Links in an Event Causal Network

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|--|
| mod_hyp_db_site | Foreign key reference to Model_Hyp_Event.mod_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| mod_hyp_db_id | Foreign key reference to Model_Hyp_Event.mod_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| mod_hyp_event_id | Foreign key reference to Model_Hyp_Event.mod_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| caused_db_site | Foreign key reference to Model_Hyp_Event.mod_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| caused_db_id | Foreign key reference to Model_Hyp_Event.mod_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| caused_event_id | Foreign key reference to Model_Hyp_Event.mod_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| likelihood_prob | Likelihood probability between 0 and 1 | DOUBLE |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id, caused_db_site, caused_db_id, caused_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | model_hyp_event (mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id) | mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id |

| | | |
|--|--|---|
| | model_hyp_event (mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id) | caused_db_site, caused_db_id, caused_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#232 sg_hyp_event_link

Description: Hypothetical Segment Event Cause/Effect Links in an Event Causal Network

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|---|
| sg_hyp_db_site | Foreign key reference to Sg_Hyp_Event.sg_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_hyp_db_id | Foreign key reference to Sg_Hyp_Event.sg_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| sg_hyp_event_id | Foreign key reference to Sg_Hyp_Event.sg_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| caused_db_site | Foreign key reference to Sg_Hyp_Event.sg_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| caused_db_id | Foreign key reference to Sg_Hyp_Event.sg_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| caused_event_id | Foreign key reference to Sg_Hyp_Event.sg_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| likelihood_prob | Likelihood probability between 0 and 1 | DOUBLE |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id, caused_db_site, caused_db_id, caused_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_hyp_event (sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id) | sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id |

| | | |
|--|--|---|
| | sg_hyp_event (sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id) | caused_db_site, caused_db_id, caused_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#233 as_hyp_event_link

Description: Hypothetical Asset Event Cause/Effect Links in an Event Causal Network

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|---|
| as_hyp_db_site | Foreign key reference to As_Hyp_Event.as_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_hyp_db_id | Foreign key reference to As_Hyp_Event.as_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| as_hyp_event_id | Foreign key reference to As_Hyp_Event.as_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| caused_db_site | Foreign key reference to As_Hyp_Event.as_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| caused_db_id | Foreign key reference to As_Hyp_Event.as_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| caused_event_id | Foreign key reference to As_Hyp_Event.as_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| likelihood_prob | Likelihood probability between 0 and 1 | DOUBLE |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | as_hyp_db_site, as_hyp_db_id, as_hyp_event_id, caused_db_site, caused_db_id, caused_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_hyp_event (as_hyp_db_site, as_hyp_db_id, as_hyp_event_id) | as_hyp_db_site, as_hyp_db_id, as_hyp_event_id |

| | | |
|--|---|---|
| | as_hyp_event (as_hyp_db_site, as_hyp_db_id, as_hyp_event_id) | caused_db_site, caused_db_id, caused_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#244 sg_typ_hyp_ev_num_data

Description: Segment Type Hypothetical Event Numeric Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| sgt_hyp_db_site | Foreign key reference to Sg_Typ_Hyp_Event.sgt_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sgt_hyp_db_id | Foreign key reference to Sg_Typ_Hyp_Event.sgt_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| sgt_hyp_event_id | Foreign key reference to Sg_Typ_Hyp_Event.sgt_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| en_db_site | Foreign key reference to Ev_Num_Data_Type.en_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| en_db_id | Foreign key reference to Ev_Num_Data_Type.en_db_id, Included in composite primary key | UINT NOT NULL |
| en_type_code | Foreign key reference to Ev_Num_Data_Type.en_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sgt_hyp_db_site, sgt_hyp_db_id, sgt_hyp_event_id, en_db_site, en_db_id, en_type_code | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|---|--|
| | sg_typ_hyp_event (sgt_hyp_db_site, sgt_hyp_db_id, sgt_hyp_event_id) | sgt_hyp_db_site, sgt_hyp_db_id, sgt_hyp_event_id |
| | ev_num_data_type (en_db_site, en_db_id, en_type_code) | en_db_site, en_db_id, en_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#245 as_typ_hyp_ev_num_data

Description: Asset Type Hypothetical Event Numeric Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| ast_hyp_db_site | Foreign key reference to As_Typ_Hyp_Event.ast_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ast_hyp_db_id | Foreign key reference to As_Typ_Hyp_Event.ast_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| ast_hyp_event_id | Foreign key reference to As_Typ_Hyp_Event.ast_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| en_db_site | Foreign key reference to Ev_Num_Data_Type.en_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| en_db_id | Foreign key reference to Ev_Num_Data_Type.en_db_id, Included in composite primary key | UINT NOT NULL |
| en_type_code | Foreign key reference to Ev_Num_Data_Type.en_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id, en_db_site, en_db_id, en_type_code | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|---|--|
| | as_typ_hyp_event (ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id) | ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id |
| | ev_num_data_type (en_db_site, en_db_id, en_type_code) | en_db_site, en_db_id, en_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#248 model_hyp_ev_num_data

Description: Model Hypothetical Event Numeric Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|--|
| mod_hyp_db_site | Foreign key reference to Model_Hyp_Event.mod_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| mod_hyp_db_id | Foreign key reference to Model_Hyp_Event.mod_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| mod_hyp_event_id | Foreign key reference to Model_Hyp_Event.mod_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| en_db_site | Foreign key reference to Ev_Num_Data_Type.en_db_site | HEXSTRING(16) NOT NULL |
| en_db_id | Foreign key reference to Ev_Num_Data_Type.en_db_id | UINT NOT NULL |
| en_type_code | Foreign key reference to Ev_Num_Data_Type.en_type_code | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id, en_db_site, en_db_id, en_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | model_hyp_event (mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id) | mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id |

| | | |
|--|---|------------------------------------|
| | ev_num_data_type (en_db_site, en_db_id, en_type_code) | en_db_site, en_db_id, en_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#234 sg_hyp_ev_num_data

Description: Segment Hypothetical Event Numeric Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| sg_hyp_db_site | Foreign key reference to Sg_Hyp_Event.sg_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_hyp_db_id | Foreign key reference to Sg_Hyp_Event.sg_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| sg_hyp_event_id | Foreign key reference to Sg_Hyp_Event.sg_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| en_db_site | Foreign key reference to Ev_Num_Data_Type.en_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| en_db_id | Foreign key reference to Ev_Num_Data_Type.en_db_id, Included in composite primary key | UINT NOT NULL |
| en_type_code | Foreign key reference to Ev_Num_Data_Type.en_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id, en_db_site, en_db_id, eu_type_code | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|---|
| | sg_hyp_event (sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id) | sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id |
| | ev_num_data_type (en_db_site, en_db_id, en_type_code) | en_db_site, en_db_id, en_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#235 as_hyp_ev_num_data

Description: Asset Hypothetical Event Numeric Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| as_hyp_db_site | Foreign key reference to As_Hyp_Event.as_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_hyp_db_id | Foreign key reference to As_Hyp_Event.as_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| as_hyp_event_id | Foreign key reference to As_Hyp_Event.as_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| en_db_site | Foreign key reference to Ev_Num_Data_Type.en_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| en_db_id | Foreign key reference to Ev_Num_Data_Type.en_db_id, Included in composite primary key | UINT NOT NULL |
| en_type_code | Foreign key reference to Ev_Num_Data_Type.en_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | as_hyp_db_site, as_hyp_db_id, as_hyp_event_id, en_db_site, en_db_id, eu_type_code | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|---|
| | as_hyp_event (as_hyp_db_site, as_hyp_db_id, as_hyp_event_id) | as_hyp_db_site, as_hyp_db_id, as_hyp_event_id |
| | ev_num_data_type (en_db_site, en_db_id, en_type_code) | en_db_site, en_db_id, en_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#266 sg_typ_hyp_ev_func

Description: Segment Type Hypothetical Events Linked to Functions Affected

| Attribute | Description | Size/Type |
|------------------|---|------------------------|
| sgt_hyp_db_site | Foreign key reference to Sg_Typ_Hyp_Event.sgt_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sgt_hyp_db_id | Foreign key reference to Sg_Typ_Hyp_Event.sgt_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| sgt_hyp_event_id | Foreign key reference to Sg_Typ_Hyp_Event.sgt_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| db_site | Foreign key reference to Sg_Type_Function.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Sg_Type_Function.db_id, Included in composite primary key | UINT NOT NULL |
| sg_db_site | Foreign key reference to Sg_Type_Function.sg_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_db_id | Foreign key reference to Sg_Type_Function.sg_db_id, Included in composite primary key | UINT NOT NULL |
| sg_type_code | Foreign key reference to Sg_Type_Function.sg_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Foreign key reference to Sg_Type_Function.ordering_seq, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this | USHORT |

| | | |
|---------------------|---|--|
| | entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sgt_hyp_db_site, sgt_hyp_db_id, sgt_hyp_event_id, db_site, db_id, sg_db_site, sg_db_id, sg_type_code, ordering_seq | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_typ_hyp_event (sgt_hyp_db_site, sgt_hyp_db_id, sgt_hyp_event_id) | sgt_hyp_db_site, sgt_hyp_db_id, sgt_hyp_event_id |
| | sg_type_function (db_site, db_id, sg_db_site, sg_db_id, sg_type_code, ordering_seq) | db_site, db_id, sg_db_site, sg_db_id, sg_type_code, ordering_seq |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#267 as_typ_hyp_ev_func

Description: Asset Type Hypothetical Events Linked to Functions Affected

| Attribute | Description | Size/Type |
|------------------|---|------------------------|
| ast_hyp_db_site | Foreign key reference to As_Typ_Hyp_Event.ast_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ast_hyp_db_id | Foreign key reference to As_Typ_Hyp_Event.ast_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| ast_hyp_event_id | Foreign key reference to As_Typ_Hyp_Event.ast_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| db_site | Foreign key reference to As_Type_Function.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to As_Type_Function.db_id, Included in composite primary key | UINT NOT NULL |
| as_db_site | Foreign key reference to As_Type_Function.as_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_db_id | Foreign key reference to As_Type_Function.as_db_id, Included in composite primary key | UINT NOT NULL |
| as_type_code | Foreign key reference to As_Type_Function.as_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Foreign key reference to As_Type_Function.ordering_seq, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this | USHORT |

| | | |
|---------------------|---|--|
| | entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id, db_site, db_id, as_db_site, as_db_id, as_type_code, ordering_seq | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_typ_hyp_event (ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id) | ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id |
| | as_type_function (db_site, db_id, as_db_site, as_db_id, as_type_code, ordering_seq) | db_site, db_id, as_db_site, as_db_id, as_type_code, ordering_seq |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#269 model_hyp_ev_func

Description: Model Hypothetical Events Linked to Functions Affected

| Attribute | Description | Size/Type |
|------------------|---|------------------------|
| mod_hyp_db_site | Foreign key reference to Model_Hyp_Event.mod_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| mod_hyp_db_id | Foreign key reference to Model_Hyp_Event.mod_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| mod_hyp_event_id | Foreign key reference to Model_Hyp_Event.mod_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| db_site | Foreign key reference to Model_Function.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Model_Function.db_id, Included in composite primary key | UINT NOT NULL |
| model_db_site | Foreign key reference to Model_Function.model_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| model_db_id | Foreign key reference to Model_Function.model_db_id, Included in composite primary key | UINT NOT NULL |
| model_id | Foreign key reference to Model_Function.model_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Foreign key reference to Model_Function.ordering_seq, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| by_org_asite | | HEXSTRING(16) |
| by_agent_id | | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|---|---|
| | mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id, db_site, db_id, model_db_site, model_db_id, model_id, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | model_hyp_event (mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id) | mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id |
| | model_function (db_site, db_id, model_db_site, model_db_id, model_id, ordering_seq) | db_site, db_id, model_db_site, model_db_id, model_id, ordering_seq |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#236 sg_hyp_ev_sg_func

Description: Segment Hypothetical Events Linked to Functions Affected

| Attribute | Description | Size/Type |
|------------------|---|------------------------|
| sg_hyp_db_site | Foreign key reference to Sg_Hyp_Event.sg_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_hyp_db_id | Foreign key reference to Sg_Hyp_Event.sg_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| sg_hyp_event_id | Foreign key reference to Sg_Hyp_Event.sg_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| db_site | Foreign key reference to Segment_Function.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Segment_Function.db_id, Included in composite primary key | UINT NOT NULL |
| segment_site | Foreign key reference to Segment_Function.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment_Function.segment_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Foreign key reference to Segment_Function.ordering_seq, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|--|--|
| | sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id, db_site, db_id, segment_site, segment_id, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_hyp_event (sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id) | sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id |
| | segment_function (db_site, db_id, segment_site, segment_id, ordering_seq) | db_site, db_id, segment_site, segment_id, ordering_seq |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#237 as_hyp_ev_as_func

Description: Asset Hypothetical Events Linked to Functions Affected

| Attribute | Description | Size/Type |
|------------------|---|------------------------|
| as_hyp_db_site | Foreign key reference to As_Hyp_Event.as_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_hyp_db_id | Foreign key reference to As_Hyp_Event.as_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| as_hyp_event_id | Foreign key reference to As_Hyp_Event.as_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| db_site | Foreign key reference to Asset_Function.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Asset_Function.db_id, Included in composite primary key | UINT NOT NULL |
| asset_org_site | Foreign key reference to Asset_Function.asset_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset_Function.asset_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Foreign key reference to Asset_Function.ordering_seq, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|---|--|
| | as_hyp_db_site, as_hyp_db_id, as_hyp_event_id, db_site, db_id, asset_org_site, asset_id, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_hyp_event (as_hyp_db_site, as_hyp_db_id, as_hyp_event_id) | as_hyp_db_site, as_hyp_db_id, as_hyp_event_id |
| | asset_function (db_site, db_id, asset_site, asset_id, ordering_seq) | db_site, db_id, asset_org_site, asset_id, ordering_seq |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#494 valid_sg_type_eng_study_entry

Description: Valid Engineering Study Entry for Segment Type Entity

This entity will hold all valid engineering study entries (normally just top-level parent entries) valid for a segment type for a given database.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-------------------------|---|------------------------|
| db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| sg_db_site | Foreign key reference to Segment_Type.sg_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_db_id | Foreign key reference to Segment_Type.sg_db_id, Included in composite primary key | UINT NOT NULL |
| sg_type_code | Foreign key reference to Segment_Type.sg_type_code, Included in composite primary key | UINT NOT NULL |
| eng_study_entry_db_site | Foreign key reference to Eng_Study_Entry.eng_study_entry_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| eng_study_entry_db_id | Foreign key reference to Eng_Study_Entry.eng_study_entry_db_id, Included in composite primary key | UINT NOT NULL |
| eng_study_entry_id | Foreign key reference to Eng_Study_Entry.eng_study_entry_id, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | db_site, db_id, sg_db_site, sg_db_id, | |

| | | |
|---------------------|---|--|
| | sg_type_code, eng_study_entry_db_site, eng_study_entry_db_id, eng_study_entry_id | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | db_site, db_id |
| | segment_type (sg_db_site, sg_db_id, sg_type_code) | sg_db_site, sg_db_id, sg_type_code |
| | eng_study_entry (eng_study_entry_db_site, eng_study_entry_db_id, eng_study_entry_id) | eng_study_entry_db_site, eng_study_entry_db_id, eng_study_entry_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#495 valid_segment_eng_study_entry

Description: Valid Engineering Study Entry for Segment Entity

This entity will hold all valid engineering study entries (normally just top-level parent entries) valid for a segment for a given database

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-------------------------|---|------------------------|
| db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| segment_site | Foreign key reference to Segment.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment.segment_id, Included in composite primary key | UINT NOT NULL |
| eng_study_entry_db_site | Foreign key reference to Eng_Study_Entry.eng_study_entry_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| eng_study_entry_db_id | Foreign key reference to Eng_Study_Entry.eng_study_entry_db_id, Included in composite primary key | UINT NOT NULL |
| eng_study_entry_id | Foreign key reference to Eng_Study_Entry.eng_study_entry_id, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | db_site, db_id, segment_site, segment_id, eng_study_entry_db_site, eng_study_entry_db_id, eng_study_entry_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |

| | | |
|--|--|--|
| | site_database (db_site, db_id) | db_site, db_id |
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | eng_study_entry (eng_study_entry_db_site, eng_study_entry_db_id, eng_study_entry_id) | eng_study_entry_db_site, eng_study_entry_db_id, eng_study_entry_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#496 valid_as_type_eng_study_entry

Description: Valid Engineering Study Entry for Asset Type Entity

This entity will hold all valid engineering study entries (normally just top-level parent entries) valid for an asset type for a given database.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-------------------------|---|------------------------|
| db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| as_db_site | Foreign key reference to Asset_Type.as_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_db_id | Foreign key reference to Asset_Type.as_db_id, Included in composite primary key | UINT NOT NULL |
| as_type_code | Foreign key reference to Asset_Type.as_type_code, Included in composite primary key | UINT NOT NULL |
| eng_study_entry_db_site | Foreign key reference to Eng_Study_Entry.eng_study_entry_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| eng_study_entry_db_id | Foreign key reference to Eng_Study_Entry.eng_study_entry_db_id, Included in composite primary key | UINT NOT NULL |
| eng_study_entry_id | Foreign key reference to Eng_Study_Entry.eng_study_entry_id, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | db_site, db_id, as_db_site, as_db_id, as_type_code, eng_study_entry_db_site, eng_study_entry_db_id, eng_study_entry_id | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|--|
| | site_database (db_site, db_id) | db_site, db_id |
| | asset_type (as_db_site, as_db_id, as_type_code) | as_db_site, as_db_id, as_type_code |
| | eng_study_entry (eng_study_entry_db_site, eng_study_entry_db_id, eng_study_entry_id) | eng_study_entry_db_site, eng_study_entry_db_id, eng_study_entry_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#497 valid_asset_eng_study_entry

Description: Valid Engineering Study Entry for Asset

This entity will hold all valid engineering study entries (normally just top-level parent entries) valid for an asset for a given database.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-------------------------|---|------------------------|
| db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| asset_org_site | Foreign key reference to Asset.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset.asset_id, Included in composite primary key | UINT NOT NULL |
| eng_study_entry_db_site | Foreign key reference to Eng_Study_Entry.eng_study_entry_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| eng_study_entry_db_id | Foreign key reference to Eng_Study_Entry.eng_study_entry_db_id, Included in composite primary key | UINT NOT NULL |
| eng_study_entry_id | Foreign key reference to Eng_Study_Entry.eng_study_entry_id, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | db_site, db_id, asset_org_site, asset_id, eng_study_entry_db_site, eng_study_entry_db_id, eng_study_entry_id | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|---|--|
| | site_database (db_site, db_id) | db_site, db_id |
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | eng_study_entry (eng_study_entry_db_site, eng_study_entry_db_id, eng_study_entry_id) | eng_study_entry_db_site, eng_study_entry_db_id, eng_study_entry_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#582 valid_model_eng_study_entry

Description: Valid Engineering Study Entry for Model

This entity will hold all valid engineering study entries (normally just top-level parent entries) valid for a model for a given database.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-------------------------|--|------------------------|
| db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| model_db_site | Model.model_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| model_db_id | Model.model_db_id, Included in composite primary key | UINT NOT NULL |
| model_id | Model.model_id, Included in composite primary key | UINT NOT NULL |
| eng_study_entry_db_site | Eng_Study_Entry.eng_study_entry_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| eng_study_entry_db_id | Eng_Study_Entry.eng_study_entry_db_id, Included in composite primary key | UINT NOT NULL |
| eng_study_entry_id | Eng_Study_Entry.eng_study_entry_id, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | db_site, db_id, model_db_site, model_db_id, model_id, eng_study_entry_db_site, eng_study_entry_db_id, eng_study_entry_id | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|--|
| | site_database (db_site, db_id) | db_site, db_id |
| | model (model_db_site, model_db_id, model_id) | model_db_site, model_db_id, model_id |
| | eng_study_entry (eng_study_entry_db_site, eng_study_entry_db_id, eng_study_entry_id) | eng_study_entry_db_site, eng_study_entry_db_id, eng_study_entry_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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Diagnosis/Prognosis (Proposed Event) Entities

#250 sg_proposed_event

Description: Proposed Past/Present/Future Segment Events including Diagnostic/Prognostic Event Outputs

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------------|---|------------------------|
| sg_prop_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_prop_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| sg_prop_event_id | Included in composite primary key | UINT NOT NULL |
| segment_site | Foreign key reference to Segment.segment_site | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment.segment_id | UINT NOT NULL |
| ev_db_site | Foreign key reference to Sg_As_Event_Type.ev_db_site | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Sg_As_Event_Type.ev_db_id | UINT NOT NULL |
| event_type_code | Foreign key reference to Sg_As_Event_Type.event_type_code | UINT NOT NULL |
| severity_lev_db_site | Foreign key reference to Severity_Level_Type.severity_lev_db_site | HEXSTRING(16) NOT NULL |
| severity_lev_db_id | Foreign key reference to Severity_Level_Type.severity_lev_db_id | UINT NOT NULL |
| severity_lev_type_code | Foreign key reference to Severity_Level_Type.severity_lev_type_code | UINT NOT NULL |
| gmt_proposed | Timestamp when proposed as an event | DATETIME(19:29) |
| pr_loc_hr_delta | Hours from GMT when proposed as an event | SHORT |
| pr_loc_min_delta | Minutes from GMT when proposed as an event | USHORT |
| by_org_asite | Foreign key reference to Agent.org_agent_site (Agent who proposed event) | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id (Agent who proposed event) | UINT |
| likelihood_prob | Likelihood probability between 0 and 1 | DOUBLE |
| est_gmt_start | Estimated GMT event started or will start | DATETIME(19:29) |
| st_loc_hr_delta | Hours from GMT for local start time | SHORT |
| st_loc_min_delta | Minutes from GMT for local start time | USHORT |
| est_gmt_occur_end | Estimated GMT event ended or will end | DATETIME(19:29) |
| end_loc_hr_delta | Hours from GMT for local end time | SHORT |
| end_loc_min_delta | Minutes from GMT for local end time | USHORT |
| ch_patt_db_site | Foreign key reference to Change_Patt_Type.ch_patt_db_site (Change Pattern Code) | HEXSTRING(16) |
| ch_patt_db_id | Foreign key reference to Change_Patt_Type.ch_patt_db_id (Change Pattern Code) | UINT |
| ch_patt_type_code | Foreign key reference to | UINT |

| | | |
|---------------------|---|--|
| | Change_Patt_Type.ch_patt_type_code (Change Pattern Code) | |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_audited | GMT proposed event audited | DATETIME(19:29) |
| aud_loc_hr_delta | Hours from GMT for local audit time | SHORT |
| aud_loc_min_delta | Minutes from GMT for local audit time | USHORT |
| aud_quality_code | Foreign key reference to Data_Qual_Type.dqual_type_code (proposed event, not inspected, good/confirmed, bad/incorrect, or under review) | UINT |
| aud_by_org_asite | Foreign key reference to Agent.org_agent_site (Audited by Agent) | HEXSTRING(16) |
| aud_by_agent_id | Foreign key reference to Agent.agent_id (Audited by Agent) | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sg_prop_db_site, sg_prop_db_id, sg_prop_event_id | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | sg_prop_db_site, sg_prop_db_id |
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | sg_as_event_type (ev_db_site, ev_db_id, event_type_code) | ev_db_site, ev_db_id, event_type_code |
| | severity_level_type (severity_lev_db_site, severity_lev_db_id, severity_lev_type_code) | severity_lev_db_site, severity_lev_db_id, severity_lev_type_code |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | change_patt_type (ch_patt_db_site, ch_patt_db_id, ch_patt_type_code) | ch_patt_db_site, ch_patt_db_id, ch_patt_type_code |
| | data_qual_type (dqual_type_code) | aud_quality_code |
| | agent (org_agent_site, agent_id) | aud_by_org_asite, aud_by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

#251 as_proposed_event

Description: Proposed Past/Present/Future Asset Events including Diagnostic/Prognostic Event Outputs

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------------|---|------------------------|
| as_prop_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_prop_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| as_prop_event_id | Included in composite primary key | UINT NOT NULL |
| asset_org_site | Foreign key reference to Asset.asset_org_site | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset.asset_id | UINT NOT NULL |
| ev_db_site | Foreign key reference to Sg_As_Event_Type.ev_db_site | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Sg_As_Event_Type.ev_db_id | UINT NOT NULL |
| event_type_code | Foreign key reference to Sg_As_Event_Type.event_type_code | UINT NOT NULL |
| severity_lev_db_site | Foreign key reference to Severity_Level_Type.severity_lev_db_site | HEXSTRING(16) NOT NULL |
| severity_lev_db_id | Foreign key reference to Severity_Level_Type.severity_lev_db_id | UINT NOT NULL |
| severity_lev_type_code | Foreign key reference to Severity_Level_Type.severity_lev_type_code | UINT NOT NULL |
| gmt_proposed | Timestamp when proposed as an event | DATETIME(19:29) |
| pr_loc_hr_delta | Hours from GMT when proposed as an event | SHORT |
| pr_loc_min_delta | Minutes from GMT when proposed as an event | USHORT |
| by_org_asite | Foreign key reference to Agent.org_agent_site (Agent who proposed event) | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id (Agent who proposed event) | UINT |
| likelihood_prob | Likelihood probability between 0 and 1 | DOUBLE |
| est_gmt_start | Estimated GMT event started or will start | DATETIME(19:29) |
| st_loc_hr_delta | Hours from GMT for local start time | SHORT |
| st_loc_min_delta | Minutes from GMT for local start time | USHORT |
| est_gmt_occur_end | Estimated GMT event ended or will end | DATETIME(19:29) |
| end_loc_hr_delta | Hours from GMT for local end time | SHORT |
| end_loc_min_delta | Minutes from GMT for local end time | USHORT |
| ch_patt_db_site | Foreign key reference to Change_Patt_Type.ch_patt_db_site (Change Pattern Code) | HEXSTRING(16) |
| ch_patt_db_id | Foreign key reference to Change_Patt_Type.ch_patt_db_id (Change Pattern Code) | UINT |
| ch_patt_type_code | Foreign key reference to Change_Patt_Type.ch_patt_type_code (Change Pattern Code) | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_audited | GMT proposed event audited | DATETIME(19:29) |
| aud_loc_hr_delta | Hours from GMT for local audit time | SHORT |

| | | |
|---------------------|---|--|
| aud_loc_min_delta | Minutes from GMT for local audit time | USHORT |
| aud_quality_code | Foreign key reference to Data_Qual_Type.dqual_type_code (proposed event, not inspected, good/confirmed, bad/incorrect, or under review) | UINT |
| aud_by_org_asite | Foreign key reference to Agent.org_agent_site (Audited by Agent) | HEXSTRING(16) |
| aud_by_agent_id | Foreign key reference to Agent.agent_id (Audited by Agent) | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | as_prop_db_site, as_prop_db_id, as_prop_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | as_prop_db_site, as_prop_db_id |
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | sg_as_event_type (ev_db_site, ev_db_id, event_type_code) | ev_db_site, ev_db_id, event_type_code |
| | severity_level_type (severity_lev_db_site, severity_lev_db_id, severity_lev_type_code) | severity_lev_db_site, severity_lev_db_id, severity_lev_type_code |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | change_patt_type (ch_patt_db_site, ch_patt_db_id, ch_patt_type_code) | ch_patt_db_site, ch_patt_db_id, ch_patt_type_code |
| | data_qual_type (dqual_type_code) | aud_quality_code |
| | agent (org_agent_site, agent_id) | aud_by_org_asite, aud_by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#338 sg_prop_ev_amb_set

Description: Segment Proposed Event Ambiguity Set

| Attribute | Description | Size/Type |
|-------------------------|--|--------------------------|
| sg_prop_amb_set_db_site | Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_prop_amb_set_db_id | Included in composite primary key | UINT NOT NULL |
| sg_prop_amb_set_id | Included in composite primary key | UINT NOT NULL |
| segment_site | Foreign key reference to Segment.segment_site | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment.segment_id | UINT NOT NULL |
| by_agent_site | Foreign key reference to Agent.org_agent_site (Author) | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Agent.agent_id (Author) | UINT NOT NULL |
| gmt_proposed | Timestamp when author proposed this ambiguity set | DATETIME(19:29) NOT NULL |
| pr_loc_hr_delta | Hours from GMT related to gmt_proposed | USHORT |
| pr_loc_min_delta | Minutes from GMT related to gmt_proposed | USHORT |
| est_gmt_start | Estimated GMT when event started or will start | DATETIME(19:29) |
| st_loc_hr_delta | Hours from GMT related to est_gmt_start | USHORT |
| st_loc_min_delta | Minutes from GMT related to est_gmt_start | USHORT |
| est_gmt_occur_end | Estimated GMT when event ended or will end | DATETIME(19:29) |
| end_loc_hr_delta | Hours from GMT for est_gmt_occur_end | USHORT |
| end_loc_min_delta | Minutes from GMT for est_gmt_occur_end | USHORT |
| sg_hyp_amb_set_db_site | Foreign key reference to Sg_Hyp_Ev_Amb_Set.sg_hyp_amb_set_db_site (Pointer to pre-defined hypothetical event ambiguity set, if not generating a new set) | HEXSTRING(16) NOT NULL |
| sg_hyp_amb_set_db_id | Foreign key reference to Sg_Hyp_Ev_Amb_Set.sg_hyp_amb_set_db_id (Pointer to pre-defined hypothetical event ambiguity set, if not generating a new set) | UINT NOT NULL |
| sg_hyp_amb_set_id | Foreign key reference to Sg_Hyp_Ev_Amb_Set.sg_hyp_amb_set_id (Pointer to pre-defined hypothetical event ambiguity set, if not generating a new set) | UINT NOT NULL |
| amb_set_db_site | Foreign key reference to Amb_Set_Type.amb_set_db_site (Ambiguity set type of expression) | HEXSTRING(16) NOT NULL |
| amb_set_db_id | Foreign key reference to | UINT NOT NULL |

| | | |
|---------------------|--|---|
| | Amb_Set_Type.amb_set_db_id (Ambiguity set type of expression) | |
| amb_set_type_code | Foreign key reference to Amb_Set_Type.amb_set_type_code (Ambiguity set type of expression) | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sg_prop_amb_set_db_site, sg_prop_amb_set_db_id, sg_prop_amb_set_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | agent (org_agent_site, agent_id) | by_agent_site, by_agent_id |
| | sg_hyp_ev_amb_set (sg_hyp_amb_set_db_site, sg_hyp_amb_set_db_id, sg_hyp_amb_set_id) | sg_hyp_amb_set_db_site, sg_hyp_amb_set_db_id, sg_hyp_amb_set_id |
| | amb_set_type (amb_set_db_site, amb_set_db_id, amb_set_type_code) | amb_set_db_site, amb_set_db_id, amb_set_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#339 sg_prop_ev_log_conn

Description: Segment Proposed Event Logical Connector Entity

Allows logical expressions to be represented as a logic tree with segment proposed event leaf nodes at the bottom. Reverse polish notation of the logical expression is readily formed from this tree.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-------------------------|---|--------------------------|
| sg_prop_amb_set_db_site | Foreign key reference to Sg_Prop_Ev_Amb_Set.sg_prop_amb_set_db_site and Sg_Prop_Ev_Log_Conn.sg_prop_amb_set_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_prop_amb_set_db_id | Foreign key reference to Sg_Prop_Ev_Amb_Set.sg_prop_amb_set_db_id and Sg_Prop_Ev_Log_Conn.sg_prop_amb_set_db_id, Included in composite primary key | UINT NOT NULL |
| sg_prop_amb_set_id | Foreign key reference to Sg_Prop_Ev_Amb_Set.sg_prop_amb_set_id and Sg_Prop_Ev_Log_Conn.sg_prop_amb_set_id, Included in composite primary key | UINT NOT NULL |
| log_conn_id | Included in composite primary key | UINT NOT NULL |
| segment_site | Segment | HEXSTRING(16) NOT NULL |
| segment_id | Segment | UINT NOT NULL |
| by_agent_site | Author | HEXSTRING(16) NOT NULL |
| by_agent_id | Author | UINT NOT NULL |
| gmt_proposed | Timestamp when author proposed this ambiguity set | DATETIME(19:29) NOT NULL |
| lc_db_site | Foreign key reference to Log_Connector_Type.lc_db_site (Logical connector type) | HEXSTRING(16) NOT NULL |
| lc_db_id | Foreign key reference to Log_Connector_Type.lc_db_id (Logical connector type) | UINT NOT NULL |
| lc_type_code | Foreign key reference to Log_Connector_Type.lc_type_code (Logical connector type) | UINT NOT NULL |
| sg_prop_db_site | Foreign key reference to Sg_Prop_Event.sg_prop_db_site (If logical connector type (attributes above) are '0000000000000000', 3, 4" (Leaf), then this is the pointer to the segment proposed event) | HEXSTRING(16) |
| sg_prop_db_id | Foreign key reference to Sg_Prop_Event.sg_prop_db_id (If logical connector type (attributes above) are '0000000000000000', 3, 4" (Leaf), then this is the pointer to the segment proposed event) | UINT |
| sg_prop_event_id | Foreign key reference to Sg_Prop_Event.sg_prop_event_id (If logical connector type (attributes above) are '0000000000000000', 3, 4" (Leaf), then this is the pointer to the segment proposed event) | UINT |
| par_db_site | Foreign key reference to Sg_Prop_Ev_Log_Conn.sg_prop_amb_set_db_site parent connector link (if null, this is the root) | UINT |

| | | |
|---------------------|--|--|
| par_db_id | Foreign key reference to Sg_Prop_Ev_Log_Conn.sg_prop_amb_set_db_id parent connector link (if null, this is the root) | UINT |
| par_set_id | Foreign key reference to Sg_Prop_Ev_Log_Conn.sg_prop_amb_set_id parent connector link (if null, this is the root) | UINT |
| par_log_conn_id | Foreign key reference to Sg_Prop_Ev_Log_Conn.log_conn_id parent connector link (if null, this is the root) | UINT |
| likelihood_prob | Likelihood probability between 0 and 1 | DOUBLE |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sg_prop_amb_set_db_site, sg_prop_amb_set_db_id, sg_prop_amb_set_id, log_conn_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_prop_ev_amb_set (sg_prop_amb_set_db_site, sg_prop_amb_set_db_id, sg_prop_amb_set_id) | sg_prop_amb_set_db_site, sg_prop_amb_set_db_id, sg_prop_amb_set_id |
| | log_connector_type (lc_db_site, lc_db_id, lc_type_code) | lc_db_site, lc_db_id, lc_type_code |
| | sg_prop_event (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id) | sg_prop_db_site, sg_prop_db_id, sg_prop_event_id |
| | sg_prop_ev_log_conn (sg_prop_amb_set_db_site, sg_prop_amb_set_db_id, sg_prop_amb_set_id, log_conn_id) | par_db_site, par_db_id, par_set_id, par_log_conn_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#340 sg_pr_ev_amb_set_sg_ev

Description: Segment Proposed Event Ambiguity Set Associated with Segment Events which Substantiate the Set

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-------------------------|---|--------------------------|
| sg_prop_amb_set_db_site | Foreign key reference to Sg_Prop_Ev_Amb_Set.sg_prop_amb_set_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_prop_amb_set_db_id | Foreign key reference to Sg_Prop_Ev_Amb_Set.sg_prop_amb_set_db_id, Included in composite primary key | UINT NOT NULL |
| sg_prop_amb_set_id | Foreign key reference to Sg_Prop_Ev_Amb_Set.sg_prop_amb_set_id, Included in composite primary key | UINT NOT NULL |
| segment_site | Foreign key reference to Segment_Event.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment_Event.segment_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Segment_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Segment_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Segment_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Segment_Event.gmt_event_start (Event start time (GMT)), Included in composite primary key | DATETIME(19:29) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this | USHORT |

| | | |
|---------------------|--|---|
| | entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sg_prop_amb_set_db_site, sg_prop_amb_set_db_id, sg_prop_amb_set_id, segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_prop_ev_amb_set (sg_prop_amb_set_db_site, sg_prop_amb_set_db_id, sg_prop_amb_set_id) | sg_prop_amb_set_db_site, sg_prop_amb_set_db_id, sg_prop_amb_set_id |
| | segment_event (segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#252 sg_prop_ev_link

Description: Proposed Segment Event Cause/Effect Links in an Event Causal Network

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|--|
| sg_prop_db_site | Foreign key reference to Sg_Proposed_Event.sg_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_prop_db_id | Foreign key reference to Sg_Proposed_Event.sg_prop_db_id, Included in composite primary key | UINT NOT NULL |
| sg_prop_event_id | Foreign key reference to Sg_Proposed_Event.sg_prop_event_id, Included in composite primary key | UINT NOT NULL |
| caused_db_site | Foreign key reference to Sg_Proposed_Event.sg_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| caused_db_id | Foreign key reference to Sg_Proposed_Event.sg_prop_db_id, Included in composite primary key | UINT NOT NULL |
| caused_event_id | Foreign key reference to Sg_Proposed_Event.sg_prop_event_id, Included in composite primary key | UINT NOT NULL |
| likelihood_prob | Likelihood probability between 0 and 1 | DOUBLE |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sg_prop_db_site, sg_prop_db_id, sg_prop_event_id, caused_db_site, caused_db_id, caused_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_proposed_event (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id) | sg_prop_db_site, sg_prop_db_id, sg_prop_event_id |
| | sg_proposed_event (sg_prop_db_site, | caused_db_site, |

| | | |
|--|----------------------------------|-------------------------------------|
| | sg_prop_db_id, sg_prop_event_id) | caused_db_id, caused_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#253 as_prop_ev_link

Description: Proposed Asset Event Cause/Effect Links in an Event Causal Network

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|--|
| as_prop_db_site | Foreign key reference to As_Proposed_Event.as_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_prop_db_id | Foreign key reference to As_Proposed_Event.as_prop_db_id, Included in composite primary key | UINT NOT NULL |
| as_prop_event_id | Foreign key reference to As_Proposed_Event.as_prop_event_id, Included in composite primary key | UINT NOT NULL |
| caused_db_site | Foreign key reference to As_Proposed_Event.as_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| caused_db_id | Foreign key reference to As_Proposed_Event.as_prop_db_id, Included in composite primary key | UINT NOT NULL |
| caused_event_id | Foreign key reference to As_Proposed_Event.as_prop_event_id, Included in composite primary key | UINT NOT NULL |
| likelihood_prob | Likelihood probability between 0 and 1 | DOUBLE |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | as_prop_db_site, as_prop_db_id, as_prop_event_id, caused_db_site, caused_db_id, caused_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_proposed_event (as_prop_db_site, as_prop_db_id, as_prop_event_id) | as_prop_db_site, as_prop_db_id, as_prop_event_id |
| | as_proposed_event (as_prop_db_site, | caused_db_site, caused_db_id, |

| | | |
|--|----------------------------------|-------------------------------------|
| | as_prop_db_id, as_prop_event_id) | caused_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#254 sg_prop_ev_ndat

Description: Segment Proposed Event Numeric Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------|
| sg_prop_db_site | Foreign key reference to Sg_Proposed_Event.sg_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_prop_db_id | Foreign key reference to Sg_Proposed_Event.sg_prop_db_id, Included in composite primary key | UINT NOT NULL |
| sg_prop_event_id | Foreign key reference to Sg_Proposed_Event.sg_prop_event_id, Included in composite primary key | UINT NOT NULL |
| en_db_site | Foreign key reference to Ev_Num_Data_Type.en_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| en_db_id | Foreign key reference to Ev_Num_Data_Type.en_db_id, Included in composite primary key | UINT NOT NULL |
| en_type_code | Foreign key reference to Ev_Num_Data_Type.en_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sg_prop_db_site, sg_prop_db_id, sg_prop_event_id, en_db_site, en_db_id, en_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |

| | | |
|--|--|--|
| | sg_proposed_event (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id) | sg_prop_db_site, sg_prop_db_id, sg_prop_event_id |
| | ev_num_data_type (en_db_site, en_db_id, en_type_code) | en_db_site, en_db_id, en_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#255 as_prop_ev_ndat

Description: Asset Proposed Event Numeric Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------|
| as_prop_db_site | Foreign key reference to As_Proposed_Event.as_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_prop_db_id | Foreign key reference to As_Proposed_Event.as_prop_db_id, Included in composite primary key | UINT NOT NULL |
| as_prop_event_id | Foreign key reference to As_Proposed_Event.as_prop_event_id, Included in composite primary key | UINT NOT NULL |
| en_db_site | Foreign key reference to Ev_Num_Data_Type.en_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| en_db_id | Foreign key reference to Ev_Num_Data_Type.en_db_id, Included in composite primary key | UINT NOT NULL |
| en_type_code | Foreign key reference to Ev_Num_Data_Type.en_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | as_prop_db_site, as_prop_db_id, as_prop_event_id, en_db_site, en_db_id, en_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |

| | | |
|--|--|--|
| | as_proposed_event (as_prop_db_site, as_prop_db_id, as_prop_event_id) | as_prop_db_site, as_prop_db_id, as_prop_event_id |
| | ev_num_data_type (en_db_site, en_db_id, en_type_code) | en_db_site, en_db_id, en_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#499 sg_prop_event_chr_data

Description: Segment Proposed Event Character Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------|
| sg_prop_db_site | Foreign key reference to Sg_Proposed_Event.sg_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_prop_db_id | Foreign key reference to Sg_Proposed_Event.sg_prop_db_id, Included in composite primary key | UINT NOT NULL |
| sg_prop_event_id | Foreign key reference to Sg_Proposed_Event.sg_prop_event_id, Included in composite primary key | UINT NOT NULL |
| ec_db_site | Foreign key reference to Ev_Chr_Data_Type.ec_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ec_db_id | Foreign key reference to Ev_Chr_Data_Type.ec_db_id, Included in composite primary key | UINT NOT NULL |
| ec_type_code | Foreign key reference to Ev_Chr_Data_Type.ec_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sg_prop_db_site, sg_prop_db_id, sg_prop_event_id, ec_db_site, ec_db_id, ec_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |

| | | |
|--|--|--|
| | sg_proposed_event (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id) | sg_prop_db_site, sg_prop_db_id, sg_prop_event_id |
| | ev_chr_data_type (ec_db_site, ec_db_id, ec_type_code) | ec_db_site, ec_db_id, ec_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#557 as_prop_event_chr_data

Description: Asset Proposed Event Character Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------|
| as_prop_db_site | Foreign key reference to As_Proposed_Event.as_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_prop_db_id | Foreign key reference to As_Proposed_Event.as_prop_db_id, Included in composite primary key | UINT NOT NULL |
| as_prop_event_id | Foreign key reference to As_Proposed_Event.as_prop_event_id, Included in composite primary key | UINT NOT NULL |
| ec_db_site | Foreign key reference to Ev_Chr_Data_Type.ec_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ec_db_id | Foreign key reference to Ev_Chr_Data_Type.ec_db_id, Included in composite primary key | UINT NOT NULL |
| ec_type_code | Foreign key reference to Ev_Chr_Data_Type.ec_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | as_prop_db_site, as_prop_db_id, as_prop_event_id, ec_db_site, ec_db_id, ec_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |

| | | |
|--|--|--|
| | as_proposed_event (as_prop_db_site, as_prop_db_id, as_prop_event_id) | as_prop_db_site, as_prop_db_id, as_prop_event_id |
| | ev_chr_data_type (ec_db_site, ec_db_id, ec_type_code) | ec_db_site, ec_db_id, ec_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#500 sg_prop_event_blob_data

Description: Binary Data Related to a Segment Proposed Event

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|--|------------------------|
| sg_prop_db_site | Foreign key reference to Sg_proposed_Event.sg_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_prop_db_id | Foreign key reference to Sg_proposed_Event.sg_prop_db_id, Included in composite primary key | UINT NOT NULL |
| sg_prop_event_id | Foreign key reference to Sg_proposed_Event.sg_prop_event_id, Included in composite primary key | UINT NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sg_prop_db_site, sg_prop_db_id, | |

| | | |
|---------------------|---|--|
| | sg_prop_event_id, bd_db_id, bd_type_code, ordering_seq | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_proposed_event (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id) | sg_prop_db_site, sg_prop_db_id, sg_prop_event_id |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#501 as_prop_event_blob_data

Description: Binary Data Related to a Segment Proposed Event

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|--|------------------------|
| as_prop_db_site | Foreign key reference to As_Proposed_Event.as_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_prop_db_id | Foreign key reference to As_Proposed_Event.as_prop_db_id, Included in composite primary key | UINT NOT NULL |
| as_prop_event_id | Foreign key reference to As_Proposed_Event.as_prop_event_id, Included in composite primary key | UINT NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | as_prop_db_site, as_prop_db_id, | |

| | | |
|---------------------|---|--|
| | as_prop_event_id, bd_db_id, bd_type_code, ordering_seq | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_proposed_event (as_prop_db_site, as_prop_db_id, as_prop_event_id) | as_prop_db_site, as_prop_db_id, as_prop_event_id |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#256 sg_prop_ev_hyp_ev

Description: Proposed Segment Events Linked to Hypothetical Segment Events

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|---------------------------------|
| sg_prop_db_site | Foreign key reference to Sg_Proposed_Event.sg_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_prop_db_id | Foreign key reference to Sg_Proposed_Event.sg_prop_db_id, Included in composite primary key | UINT NOT NULL |
| sg_prop_event_id | Foreign key reference to Sg_Proposed_Event.sg_prop_event_id, Included in composite primary key | UINT NOT NULL |
| sg_hypev_db_site | Foreign key reference to Sg_Hyp_Event.sg_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_hypev_db_id | Foreign key reference to Sg_Hyp_Event.sg_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| sg_hyp_event_id | Foreign key reference to Sg_Hyp_Event.sg_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sg_prop_db_site, sg_prop_db_id, sg_prop_event_id, sg_hypev_db_site, sg_hypev_db_id, sg_hyp_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_proposed_event (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id) | sg_prop_db_site, sg_prop_db_id, |

| | | |
|--|--|---|
| | | sg_prop_event_id |
| | sg_hyp_event (sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id) | sg_hypev_db_site, sg_hypev_db_id, sg_hyp_event_id |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#257 as_prop_ev_hyp_ev

Description: Proposed Asset Events Linked to Hypothetical Asset Events

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|---|
| as_prop_db_site | Foreign key reference to As_Proposed_Event.as_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_prop_db_id | Foreign key reference to As_Proposed_Event.as_prop_db_id, Included in composite primary key | UINT NOT NULL |
| as_prop_event_id | Foreign key reference to As_Proposed_Event.as_prop_event_id, Included in composite primary key | UINT NOT NULL |
| as_hypev_db_site | Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_hypev_db_id | Included in composite primary key | UINT NOT NULL |
| as_hyp_event_id | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | as_prop_db_site, as_prop_db_id, as_prop_event_id, as_hypev_db_site, as_hypev_db_id, as_hyp_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_proposed_event (as_prop_db_site, as_prop_db_id, as_prop_event_id) | as_prop_db_site, as_prop_db_id, as_prop_event_id |
| | as_hyp_event (as_hyp_db_site, as_hyp_db_id, as_hyp_event_id) | as_hypev_db_site, as_hypev_db_id, as_hyp_event_id |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

#258 sg_prop_ev_sg_ev

Description: Proposed Segment Events Linked to Actual Segment Events – Event Evidence Link

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|--------------------------|
| sg_prop_db_site | Foreign key reference to Sg_Proposed_Event.sg_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_prop_db_id | Foreign key reference to Sg_Proposed_Event.sg_prop_db_id, Included in composite primary key | UINT NOT NULL |
| sg_prop_event_id | Foreign key reference to Sg_Proposed_Event.sg_prop_event_id, Included in composite primary key | UINT NOT NULL |
| segment_site | Foreign key reference to Segment_Event.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment_Event.segment_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Segment_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Segment_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Segment_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Segment_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which | USHORT |

| | | |
|---------------------|--|--|
| | determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sg_prop_db_site, sg_prop_db_id, sg_prop_event_id, segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_proposed_event (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id) | sg_prop_db_site, sg_prop_db_id, sg_prop_event_id |
| | segment_event (segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#259 as_prop_ev_as_ev

Description: Proposed Asset Events Linked to Actual Asset Events – Event Evidence Link

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|--------------------------|
| as_prop_db_site | Foreign key reference to Sg_Proposed_Event.as_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_prop_db_id | Foreign key reference to Sg_Proposed_Event.as_prop_db_id, Included in composite primary key | UINT NOT NULL |
| as_prop_event_id | Foreign key reference to Sg_Proposed_Event.as_prop_event_id, Included in composite primary key | UINT NOT NULL |
| asset_org_site | Foreign key reference to Asset_Event.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset_Event.asset_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Asset_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Asset_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Asset_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Asset_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| by_org_asite | | HEXSTRING(16) |
| by_agent_id | | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|---|---|
| | as_prop_db_site, as_prop_db_id, as_prop_event_id, asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_proposed_event (as_prop_db_site, as_prop_db_id, as_prop_event_id) | as_prop_db_site, as_prop_db_id, as_prop_event_id |
| | asset_event (asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#262 sg_prop_ev_sg_func

Description: Proposed Segment Events Linked to Functions Affected

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| sg_prop_db_site | Foreign key reference to Sg_Proposed_Event.sg_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_prop_db_id | Foreign key reference to Sg_Proposed_Event.sg_prop_db_id, Included in composite primary key | UINT NOT NULL |
| sg_prop_event_id | Foreign key reference to Sg_Proposed_Event.sg_prop_event_id, Included in composite primary key | UINT NOT NULL |
| db_site | Foreign key reference to Segment_Function.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Segment_Function.db_id, Included in composite primary key | UINT NOT NULL |
| segment_site | Foreign key reference to Segment_Function.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment_Function.segment_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Foreign key reference to Segment_Function.ordering_seq, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sg_prop_db_site, sg_prop_db_id, | |

| | | |
|---------------------|---|---|
| | sg_prop_event_id, db_site, db_id, segment_site, segment_id, ordering_seq | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_proposed_event (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id) | sg_prop_db_site, sg_prop_db_id, sg_prop_event_id |
| | segment_function (db_site, db_id, segment_site, segment_id, ordering_seq) | db_site, db_id, segment_site, segment_id, ordering_seq |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#263 as_prop_ev_as_func

Description: Proposed Asset Events Linked to Functions Affected

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| as_prop_db_site | Foreign key reference to As_Proposed_Event.as_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_prop_db_id | Foreign key reference to As_Proposed_Event.as_prop_db_id, Included in composite primary key | UINT NOT NULL |
| as_prop_event_id | Foreign key reference to As_Proposed_Event.as_prop_event_id, Included in composite primary key | UINT NOT NULL |
| db_site | Foreign key reference to Asset_Function.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Asset_Function.db_id, Included in composite primary key | UINT NOT NULL |
| asset_org_site | Foreign key reference to Asset_Function.asset_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset_Function.asset_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Foreign key reference to Asset_Function.ordering_seq, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | as_prop_db_site, as_prop_db_id, | |

| | | |
|---------------------|---|--|
| | as_prop_event_id, db_site, db_id, asset_org_site, asset_id, ordering_seq | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_proposed_event (as_prop_db_site, as_prop_db_id, as_prop_event_id) | as_prop_db_site, as_prop_db_id, as_prop_event_id |
| | asset_function (db_site, db_id, asset_site, asset_id, ordering_seq) | db_site, db_id, asset_org_site, asset_id, ordering_seq |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#296 sg_prop_ev_meas_ev

Description: Proposed Segment Events Associated With Measurement Events Which Substantiate the Proposed Event – Measurement Evidence Link

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|--------------------------|
| sg_prop_db_site | Foreign key reference to Sg_Proposed_Event.sg_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_prop_db_id | Foreign key reference to Sg_Proposed_Event.sg_prop_db_id, Included in composite primary key | UINT NOT NULL |
| sg_prop_event_id | Foreign key reference to Sg_Proposed_Event.sg_prop_event_id, Included in composite primary key | UINT NOT NULL |
| meas_loc_site | Foreign key reference to Meas_Event.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Event.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Meas_Event.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sg_prop_db_site, sg_prop_db_id, sg_prop_event_id, meas_loc_site, meas_loc_id, gmt_event | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_proposed_event (sg_prop_db_site, | sg_prop_db_site, |

| | | |
|--|---|--|
| | sg_prop_db_id, sg_prop_event_id) | sg_prop_db_id, sg_prop_event_id |
| | meas_event (meas_loc_site, meas_loc_id, gmt_event) | meas_loc_site, meas_loc_id, gmt_event |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#297 as_prop_ev_meas_ev

Description: Proposed Asset Events Associated With Measurement Events Which Substantiate the Proposed Event – Measurement Evidence Link

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|--------------------------|
| as_prop_db_site | Foreign key reference to As_Proposed_Event.as_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_prop_db_id | Foreign key reference to As_Proposed_Event.as_prop_db_id, Included in composite primary key | UINT NOT NULL |
| as_prop_event_id | Foreign key reference to As_Proposed_Event.as_prop_event_id, Included in composite primary key | UINT NOT NULL |
| meas_loc_site | Foreign key reference to Meas_Event.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Event.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Meas_Event.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | as_prop_db_site, as_prop_db_id, as_prop_event_id, meas_loc_site, meas_loc_id, gmt_event | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_proposed_event (as_prop_db_site, | as_prop_db_site, |

| | | |
|--|---|--|
| | as_prop_db_id, as_prop_event_id) | as_prop_db_id, as_prop_event_id |
| | meas_event (meas_loc_site, meas_loc_id, gmt_event) | meas_loc_site, meas_loc_id, gmt_event |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#228 sg_ev_sg_func_link

Description: Segment Events Linked to Functions Affected

| Attribute | Description | Size/Type |
|------------------|---|--------------------------|
| ev_segment_site | Foreign key reference to Segment_Event.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_segment_id | Foreign key reference to Segment_Event.segment_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Segment_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Segment_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Segment_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Segment_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| fn_db_site | Foreign key reference to Segment_Function.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| fn_db_id | Foreign key reference to Segment_Function.db_id, Included in composite primary key | UINT NOT NULL |
| fn_segment_site | Foreign key reference to Segment_Function.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| fn_segment_id | Foreign key reference to Segment_Function.segment_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Foreign key reference to Segment_Function.ordering_seq, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |

| | | |
|---------------------|--|--|
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ev_segment_site, ev_segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start, fn_db_site, fn_db_id, fn_segment_site, fn_segment_id, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | segment_event (segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | ev_segment_site, ev_segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | segment_function (db_site, db_id, segment_site, segment_id, ordering_seq) | fn_db_site, fn_db_id, fn_segment_site, fn_segment_id, ordering_seq |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#229 as_ev_as_func_link

Description: Asset Events Linked to Functions Affected

| Attribute | Description | Size/Type |
|------------------|---|--------------------------|
| asset_org_site | Foreign key reference to Asset_Event.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset_Event.asset_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Asset_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Asset_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Asset_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Asset_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| db_site | Foreign key reference to Asset_Function.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Asset_Function.db_id, Included in composite primary key | UINT NOT NULL |
| fc_as_org_site | Foreign key reference to Asset_Function.asset_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| fc_as_id | Foreign key reference to Asset_Function.asset_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Foreign key reference to Asset_Function.ordering_seq, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |

| | | |
|---------------------|--|--|
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start, db_site, db_id, fc_as_org_site, fc_as_id, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset_event (asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | asset_function (db_site, db_id, asset_site, asset_id, ordering_seq) | db_site, db_id, fc_as_org_site, fc_as_id, ordering_seq |
| | agent (org_agent_site, agent_id) | by_org_asite, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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Health and Estimated Life Assessment Entities

#127 segment_health

Description: Segment Health Assessment For Past/Present/Future

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|----------------------|--|--------------------------|
| segment_site | Foreign key reference to Segment.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment.segment_id, Included in composite primary key | UINT NOT NULL |
| gmt_assessment | Timestamp when the assessment was performed by the agent - NOT the timestamp in the past or future of the segment for which the assessment was created and to which it applies (see gmt_created below for this), Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Agent.org_agent_site (Agent who made the assessment (i.e. "Doctor")), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Agent.agent_id (Agent who made the assessment (i.e. "Doctor")), Included in composite primary key | UINT NOT NULL |
| loc_hr_delta | Local hours from GMT for gmt_assessment | USHORT |
| loc_min_delta | Local minutes from GMT for gmt_assessment | USHORT |
| health_lev_db_site | Foreign key reference to Health_Level_Type.health_lev_db_site | HEXSTRING(16) NOT NULL |
| health_lev_db_id | Foreign key reference to Health_Level_Type.health_lev_db_id | UINT NOT NULL |
| health_lev_type_code | Foreign key reference to Health_Level_Type.health_lev_type_code | UINT NOT NULL |
| health_scale_precise | Optional precise health scale DOUBLE value between 0 and 1 (1 = perfect health) | DOUBLE |
| likelihood_prob | Likelihood probability between 0 and 1 that health assessment is accurate | DOUBLE |
| gmt_created | The instant in time for the segment in the past or future of the segment for which this assessment was created and to which it applies. | DATETIME(19:29) NOT NULL |
| cr_loc_hr_delta | Hours from GMT for creation timestamp | USHORT |
| cr_loc_min_delta | Minutes from GMT for creation timestamp | USHORT |
| ch_patt_db_site | Foreign key reference to Change_Patt_Type.ch_patt_db_site, (Change Pattern Code) | HEXSTRING(16) |
| ch_patt_db_id | Foreign key reference to Change_Patt_Type.ch_patt_db_id, (Change Pattern Code) | UINT |

| | | |
|---------------------|---|--|
| ch_patt_type_code | Foreign key reference to Change_Patt_Type.ch_patt_type_code, (Change Pattern Code) | UINT |
| gmt_audited | GMT proposed assessment audited | DATETIME(19:29) |
| aud_loc_hr_delta | Hours from GMT for local audit time | USHORT |
| aud_loc_min_delta | Minutes from GMT for local audit time | USHORT |
| aud_quality_code | Foreign key reference to Data_Qual_Type.dqual_type_code (health assessment not inspected, good/confirmed, bad/incorrect, or under review) | UINT |
| aud_by_org_asite | Foreign key reference to Agent.org_agent_site (Audit Agent) | HEXSTRING(16) |
| aud_by_agent_id | Foreign key reference to Agent.agent_id (Audit Agent) | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, gmt_assessment, by_agent_site, by_agent_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | agent (org_agent_site, agent_id) | by_agent_site, by_agent_id |
| | health_level_type (health_lev_db_site, health_lev_db_id, health_lev_type_code) | health_lev_db_site, health_lev_db_id, health_lev_type_code |
| | change_patt_type (ch_patt_db_site, ch_patt_db_id, ch_patt_type_code) | ch_patt_db_site, ch_patt_db_id, ch_patt_type_code |
| | data_qual_type (dqual_type_code) | aud_quality_code |
| | agent (org_agent_site, agent_id) | aud_by_org_asite, aud_by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#129 asset_health

Description: Asset Health Assessment For Past/Present/Future

| Attribute | Description | Size/Type |
|----------------------|--|--------------------------|
| asset_org_site | Foreign key reference to Asset.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset.asset_id, Included in composite primary key | UINT NOT NULL |
| gmt_assessment | Timestamp when the assessment was performed by the agent—NOT the timestamp in the past or future of the asset for which the assessment was created and to which it applies (see gmt_created below for this), Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Agent.org_agent_site (Agent who made the assessment (i.e. “Doctor”)), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Agent.agent_id (Agent who made the assessment (i.e. “Doctor”)), Included in composite primary key | UINT NOT NULL |
| loc_hr_delta | Local hours from GMT for gmt_assessment | USHORT |
| loc_min_delta | Local minutess from GMT for gmt_assessment | USHORT |
| health_lev_db_site | Foreign key reference to Health_Level_Type.health_lev_db_site | HEXSTRING(16) NOT NULL |
| health_lev_db_id | Foreign key reference to Health_Level_Type.health_lev_db_id | UINT NOT NULL |
| health_lev_type_code | Foreign key reference to Health_Level_Type.health_lev_type_code | UINT NOT NULL |
| health_scale_precise | Optional precise health scale DOUBLE value between 0 and 1 (1 = perfect health) | DOUBLE |
| likelihood_prob | Likelihood probability between 0 and 1 that health assessment is accurate | DOUBLE |
| gmt_created | The instant in time for the asset related to this asset health assessment (created for this instant in time of the asset) | DATETIME(19:29) NOT NULL |
| cr_loc_hr_delta | Hours from GMT for creation timestamp | USHORT |
| cr_loc_min_delta | Minutes from GMT for creation timestamp | USHORT |
| ch_patt_db_site | Foreign key reference to Change_Patt_Type.ch_patt_db_site, (Change Pattern Code) | HEXSTRING(16) |
| ch_patt_db_id | Foreign key reference to Change_Patt_Type.ch_patt_db_id, (Change Pattern Code) | UINT |
| ch_patt_type_code | Foreign key reference to Change_Patt_Type.ch_patt_type_code, (Change Pattern Code) | UINT |

| | | |
|---------------------|---|--|
| gmt_audited | GMT proposed assessment audited | DATETIME(19:29) |
| aud_loc_hr_delta | Hours from GMT for local audit time | USHORT |
| aud_loc_min_delta | Minutes from GMT for local audit time | USHORT |
| aud_quality_code | Foreign key reference to Data_Qual_Type.dqual_type_code (health assessment not inspected, good/confirmed, bad/incorrect, or under review) | UINT |
| aud_by_org_asite | Foreign key reference to Agent.org_agent_site (Audit Agent) | HEXSTRING(16) |
| aud_by_agent_id | Foreign key reference to Agent.agent_id (Audit Agent) | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, gmt_assessment, by_agent_site, by_agent_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | agent (org_agent_site, agent_id) | by_agent_site, by_agent_id |
| | health_level_type (health_lev_db_site, health_lev_db_id, health_lev_type_code) | health_lev_db_site, health_lev_db_id, health_lev_type_code |
| | change_patt_type (ch_patt_db_site, ch_patt_db_id, ch_patt_type_code) | ch_patt_db_site, ch_patt_db_id, ch_patt_type_code |
| | data_qual_type (dqual_type_code) | aud_quality_code |
| | agent (org_agent_site, agent_id) | aud_by_org_asite, aud_by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#146 sg_remaining_life

Description: Segment Remaining Life Assessment For Past/Present/Future

| Attribute | Description | Size/Type |
|--------------------|--|--------------------------|
| segment_site | Foreign key reference to Segment.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment.segment_id, Included in composite primary key | UINT NOT NULL |
| gmt_assessment | Timestamp when the assessment was performed by the agent - NOT the timestamp in the past or future of the segment for which the assessment was created and to which it applies (see gmt_created below for this), Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Agent.org_agent_site (Agent who made the assessment (i.e. "Doctor")), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Agent.agent_id (Agent who made the assessment (i.e. "Doctor")), Included in composite primary key | UINT NOT NULL |
| loc_hr_delta | Local time hour offset from GMT | USHORT |
| loc_min_delta | Local time minute offset from GMT | USHORT |
| est_remaining_life | Estimated remaining life assuming no intervention | DOUBLE |
| erl_eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site (time units for estimating remaining life) | HEXSTRING(16) |
| erl_eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id (time units for estimating remaining life) | UINT |
| erl_eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code (time units for estimating remaining life) | UINT |
| error_estimate | Error estimate (+/- X duration) | DOUBLE |
| err_eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site (time units for error estimate) | HEXSTRING(16) |
| err_eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id (time units for error estimate) | UINT |
| err_eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code (time units for error estimate) | UINT |
| likelihood_prob | Likelihood probability between 0 and 1 that assessment is accurate | DOUBLE |
| gmt_created | The start time for the segment related | DATETIME(19:29) NOT |

| | | |
|---------------------|---|--|
| | to this segment RUL assessment (created for this instant in time of the segment) | NULL |
| cr_loc_hr_delta | Hours from GMT for creation timestamp | USHORT |
| cr_loc_min_delta | Minutess from GMT for creation timestamp | USHORT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, gmt_assessment, by_agent_site, by_agent_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | agent (org_agent_site, agent_id) | by_agent_site, by_agent_id |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | erl_eu_db_site, erl_eu_db_id, erl_eu_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | err_eu_db_site, err_eu_db_id, err_eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#147 as_remaining_life

Description: Asset Remaining Life Assessment For Past/Present/Future

| Attribute | Description | Size/Type |
|--------------------|--|--------------------------|
| asset_org_site | Foreign key reference to Asset.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset.asset_id, Included in composite primary key | UINT NOT NULL |
| gmt_assessment | Timestamp when the assessment was performed by the agent—NOT the timestamp in the past or future of the asset for which the assessment was created and to which it applies (see gmt_created below for this), Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Agent.org_agent_site (Agent who made the assessment/"Doctor"), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Agent.agent_id (Agent who made the assessment/"Doctor") Included in composite primary key | UINT NOT NULL |
| loc_hr_delta | Local time, hour offset from GMT | USHORT |
| loc_min_delta | Local time, minute offset from GMT | USHORT |
| est_remaining_life | Estimated remaining life assuming no intervention | DOUBLE |
| erl_eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site (time units for estimating remaining life) | HEXSTRING(16) |
| erl_eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id (time units for estimating remaining life) | UINT |
| erl_eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code (time units for estimating remaining life) | UINT |
| error_estimate | Error estimate (+/- X duration) | DOUBLE |
| err_eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site (time units for error estimate) | HEXSTRING(16) |
| err_eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id (time units for error estimate) | UINT |
| err_eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code (time units for error estimate) | UINT |
| likelihood_prob | Likelihood probability between 0 and 1 that assessment is accurate | DOUBLE |
| gmt_created | The start time for the asset related to this asset RUL assessment (created for | DATETIME(19:29) NOT NULL |

| | | |
|---------------------|---|--|
| | this instant in time of the asset) | |
| cr_loc_hr_delta | Hours from GMT for creation timestamp | USHORT |
| cr_loc_min_delta | Minutess from GMT for creation timestamp | USHORT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, gmt_assessment, by_agent_site, by_agent_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | agent (org_agent_site, agent_id) | by_agent_site, by_agent_id |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | erl_eu_db_site, erl_eu_db_id, erl_eu_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | err_eu_db_site, err_eu_db_id, err_eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#298 sg_health_sg_event

Description: Actual Segment Events Associated With Segment Health Which Substantiate the Health Assessment

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| segment_site | Foreign key reference to Segment_Health.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment_Health.segment_id, Included in composite primary key | UINT NOT NULL |
| gmt_assessment | Foreign key reference to Segment_Health.gmt_assessment, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Segment_Health.by_agent_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Segment_Health.by_agent_id, Included in composite primary key | UINT NOT NULL |
| ev_sg_site | Foreign key reference to Segment_Event.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_sg_id | Foreign key reference to Segment_Event.segment_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Segment_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Segment_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Segment_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Segment_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| assoc_by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft | HEXSTRING(16) |

| | | |
|---------------------|--|--|
| | deleting this entry | |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, gmt_assessment, by_agent_site, by_agent_id, ev_sg_site, ev_sg_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | segment_health (segment_site, segment_id, gmt_assessment, by_agent_site, by_agent_id) | segment_site, segment_id, gmt_assessment, by_agent_site, by_agent_id |
| | segment_event (segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | ev_sg_site, ev_sg_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | agent (org_agent_site, agent_id) | assoc_by_org_asite, assoc_by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#299 as_health_as_event

Description: Actual Asset Events Associated With Asset Health Which Substantiate the Health Assessment

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| asset_org_site | Foreign key reference to Asset_Health.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset_Health.asset_id, Included in composite primary key | UINT NOT NULL |
| gmt_assessment | Foreign key reference to Asset_Health.gmt_assessment, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Asset_Health.by_agent_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Asset_Health.by_agent_id, Included in composite primary key | UINT NOT NULL |
| ev_as_org_site | Foreign key reference to Asset_Event.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_as_id | Foreign key reference to Asset_Event.asset_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Asset_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Asset_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Asset_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Asset_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| assoc_by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft | HEXSTRING(16) |

| | | |
|---------------------|--|--|
| | deleting this entry | |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, gmt_assessment, by_agent_site, by_agent_id, ev_as_org_site, ev_as_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset_health (asset_org_site, asset_id, gmt_assessment, by_agent_site, by_agent_id) | asset_org_site, asset_id, gmt_assessment, by_agent_site, by_agent_id |
| | asset_event (asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | ev_as_org_site, ev_as_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | agent (org_agent_site, agent_id) | assoc_by_org_asite, assoc_by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#300 sg_health_sg_prop_ev

Description: Proposed Segment Events Associated With Segment Health Which Substantiate the Health Assessment

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| segment_site | Foreign key reference to Segment_Health.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment_Health.segment_id, Included in composite primary key | UINT NOT NULL |
| gmt_assessment | Foreign key reference to Segment_Health.gmt_assessment, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Segment_Health.by_agent_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Segment_Health.by_agent_id, Included in composite primary key | UINT NOT NULL |
| sg_prop_db_site | Foreign key reference to Sg_proposed_Event.sg_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_prop_db_id | Foreign key reference to Sg_proposed_Event.sg_prop_db_id, Included in composite primary key | UINT NOT NULL |
| sg_prop_event_id | Foreign key reference to Sg_proposed_Event.sg_prop_event_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| assoc_by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |

| | | |
|---------------------|---|--|
| | segment_site, segment_id, gmt_assessment, by_agent_site, by_agent_id, sg_prop_db_site, sg_prop_db_id, sg_prop_event_id | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | segment_health (segment_site, segment_id, gmt_assessment, by_agent_site, by_agent_id) | segment_site, segment_id, gmt_assessment, by_agent_site, by_agent_id |
| | sg_proposed_event (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id) | sg_prop_db_site, sg_prop_db_id, sg_prop_event_id |
| | agent (org_agent_site, agent_id) | assoc_by_org_asite, assoc_by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#301 as_health_as_prop_ev

Description: Proposed Asset Events Associated With Asset Health Which Substantiate the Health Assessment

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| asset_org_site | Foreign key reference to Asset_Health.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset_Health.asset_id, Included in composite primary key | UINT NOT NULL |
| gmt_assessment | Foreign key reference to Asset_Health.gmt_assessment, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Asset_Health.by_agent_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Asset_Health.by_agent_id, Included in composite primary key | UINT NOT NULL |
| as_prop_db_site | Foreign key reference to As_Proposed_Event.as_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_prop_db_id | Foreign key reference to As_Proposed_Event.as_prop_db_id, Included in composite primary key | UINT NOT NULL |
| as_prop_event_id | Foreign key reference to As_Proposed_Event.as_prop_event_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_by_org_asite | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| assoc_by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |

| | | |
|---------------------|---|--|
| | asset_org_site, asset_id, gmt_assessment, by_agent_site, by_agent_id, as_prop_db_site, as_prop_db_id, as_prop_event_id | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset_health (asset_org_site, asset_id, gmt_assessment, by_agent_site, by_agent_id) | asset_org_site, asset_id, gmt_assessment, by_agent_site, by_agent_id |
| | as_proposed_event (as_prop_db_site, as_prop_db_id, as_prop_event_id) | as_prop_db_site, as_prop_db_id, as_prop_event_id |
| | agent (org_agent_site, agent_id) | assoc_by_org_asite, assoc_by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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Recommendation Entities

#274 sg_type_recomm

Description: Segment Type Recommendation – Purpose is To Be Associated With Hypothesized Events

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------------|---|--------------------------|
| sg_db_site | Foreign key reference to Segment_Type.sg_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_db_id | Foreign key reference to Segment_Type.sg_db_id, Included in composite primary key | UINT NOT NULL |
| sg_type_code | Foreign key reference to Segment_Type.sg_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Agent.org_agent_site, (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Agent.agent_id, Included in composite primary key | UINT NOT NULL |
| loc_hr_delta | Local time, hour offset from GMT | SHORT |
| loc_min_delta | Local time, minute offset from GMT | USHORT |
| priority_lev_db_site | Foreign key reference to Priority_Level_Type.priority_lev_db_site | HEXSTRING(16) |
| priority_lev_db_id | Foreign key reference to Priority_Level_Type.priority_lev_db_id | UINT |
| priority_lev_type_code | Foreign key reference to Priority_Level_Type.priority_lev_type_code | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sg_db_site, sg_db_id, sg_type_code, gmt_recommendation, by_agent_site, by_agent_id | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|--|
| | segment_type (sg_db_site, sg_db_id, sg_type_code) | sg_db_site, sg_db_id, sg_type_code |
| | agent (org_agent_site, agent_id) | by_agent_site, by_agent_id |
| | priority_level_type (priority_lev_db_site, priority_lev_db_id, priority_lev_type_code) | priority_lev_db_site, priority_lev_db_id, priority_lev_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#275 as_type_recomm

Description: Asset Type Recommendation – Purpose is to be Associated With Hypothesized Events

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------------|---|--------------------------|
| as_db_site | Foreign key reference to Asset_Type.as_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_db_id | Foreign key reference to Asset_Type.as_db_id, Included in composite primary key | UINT NOT NULL |
| as_type_code | Foreign key reference to Asset_Type.as_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Agent.org_agent_site (originator) Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Agent.agent_id, Included in composite primary key | UINT NOT NULL |
| loc_hr_delta | Local time, hour offset from GMT | SHORT |
| loc_min_delta | Local time, minute offset from GMT | USHORT |
| priority_lev_db_site | Foreign key reference to Priority_Level_Type.priority_lev_db_site | HEXSTRING(16) |
| priority_lev_db_id | Foreign key reference to Priority_Level_Type.priority_lev_db_id | UINT |
| priority_lev_type_code | Foreign key reference to Priority_Level_Type.priority_lev_type_code | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |

| | | |
|---------------------|--|--|
| | as_db_site, as_db_id, as_type_code, gmt_recommendation, by_agent_site, by_agent_id | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset_type (as_db_site, as_db_id, as_type_code) | as_db_site, as_db_id, as_type_code |
| | agent (org_agent_site, agent_id) | by_agent_site, by_agent_id |
| | priority_level_type (priority_lev_db_site, priority_lev_db_id, priority_lev_type_code) | priority_lev_db_site, priority_lev_db_id, priority_lev_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#276 model_recomm

Description: Model Recommendation – Purpose is to be Associated With Hypothesized Events

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------------|---|--------------------------|
| model_db_site | Foreign key reference to Model.model_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| model_db_id | Foreign key reference to Model.model_db_id, Included in composite primary key | UINT NOT NULL |
| model_id | Foreign key reference to Model.model_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Agent.org_agent_site (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Agent.agent_id, Included in composite primary key | UINT NOT NULL |
| loc_hr_delta | Local time, hour offset from GMT | SHORT |
| loc_min_delta | Local time, minute offset from GMT | USHORT |
| priority_lev_db_site | Foreign key reference to Priority_Level_Type.priority_lev_db_site | HEXSTRING(16) |
| priority_lev_db_id | Foreign key reference to Priority_Level_Type.priority_lev_db_id | UINT |
| priority_lev_type_code | Foreign key reference to Priority_Level_Type.priority_lev_type_code | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | model_db_site, model_db_id, model_id, gmt_recommendation, by_agent_site, by_agent_id | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|--|
| | model (model_db_site, model_db_id, model_id) | model_db_site, model_db_id, model_id |
| | agent (org_agent_site, agent_id) | by_agent_site, by_agent_id |
| | priority_level_type (priority_lev_db_site, priority_lev_db_id, priority_lev_type_code) | priority_lev_db_site, priority_lev_db_id, priority_lev_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#184 sg_recommendation

Description: Segment Recommendation

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------------|---|--------------------------|
| segment_site | Foreign key reference to Segment.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment.segment_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Agent.org_agent_site, (originator) Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Agent.agent_id, Included in composite primary key | UINT NOT NULL |
| loc_hr_delta | Local time, hour offset from GMT | SHORT |
| loc_min_delta | Local time, minute offset from GMT | USHORT |
| priority_lev_db_site | Foreign key reference to Priority_Level_Type.priority_lev_db_site | HEXSTRING(16) |
| priority_lev_db_id | Foreign key reference to Priority_Level_Type.priority_lev_db_id | UINT |
| priority_lev_type_code | Foreign key reference to Priority_Level_Type.priority_lev_type_code | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |

| | | |
|--|--|--|
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | agent (org_agent_site, agent_id) | by_agent_site, by_agent_id |
| | priority_level_type (priority_lev_db_site, priority_lev_db_id, priority_lev_type_code) | priority_lev_db_site, priority_lev_db_id, priority_lev_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#185 as_recommendation

Description: Asset Recommendation

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------------|---|----------------------------|
| asset_org_site | Foreign key reference to Asset.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset.asset_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Agent.org_agent_site (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Agent.agent_id, Included in composite primary key | UINT NOT NULL |
| loc_hr_delta | Local time, hour offset from GMT | SHORT |
| loc_min_delta | Local time, minute offset from GMT | USHORT |
| priority_lev_db_site | Foreign key reference to Priority_Level_Type.priority_lev_db_site | HEXSTRING(16) |
| priority_lev_db_id | Foreign key reference to Priority_Level_Type.priority_lev_db_id | UINT |
| priority_lev_type_code | Foreign key reference to Priority_Level_Type.priority_lev_type_code | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | agent (org_agent_site, agent_id) | by_agent_site, by_agent_id |

| | | |
|--|--|--|
| | priority_level_type (priority_lev_db_site, priority_lev_db_id, priority_lev_type_code) | priority_lev_db_site, priority_lev_db_id, priority_lev_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#316 ol_recommendation

Description: Ordered List Recommendation

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------------|---|--------------------------|
| ord_list_db_site | Foreign key reference to Ordered_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Ordered_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Ordered_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Agent.org_agent_site (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Agent.agent_id, Included in composite primary key | UINT NOT NULL |
| loc_hr_delta | Local time, hour offset from GMT | SHORT |
| loc_min_delta | Local time, minute offset from GMT | USHORT |
| priority_lev_db_site | Foreign key reference to Priority_Level_Type.priority_lev_db_site | HEXSTRING(16) |
| priority_lev_db_id | Foreign key reference to Priority_Level_Type.priority_lev_db_id | UINT |
| priority_lev_type_code | Foreign key reference to Priority_Level_Type.priority_lev_type_code | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, ord_list_id, gmt_recommendation, by_agent_site, by_agent_id | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|--|
| | ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id) | ord_list_db_site, ord_list_db_id, ord_list_id |
| | agent (org_agent_site, agent_id) | by_agent_site, by_agent_id |
| | priority_level_type (priority_lev_db_site, priority_lev_db_id, priority_lev_type_code) | priority_lev_db_site, priority_lev_db_id, priority_lev_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#277 sg_type_rec_remark

Description: Segment Type Recommendation Remarks

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|--|
| sg_db_site | Foreign key reference to Sg_Type_Recomm.sg_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_db_id | Foreign key reference to Sg_Type_Recomm.sg_db_id, Included in composite primary key | UINT NOT NULL |
| sg_type_code | Foreign key reference to Sg_Type_Recomm.sg_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to Sg_Type_Recomm.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Sg_Type_Recomm.by_agent_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Sg_Type_Recomm.by_agent_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| remark_text | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sg_db_site, sg_db_id, sg_type_code, gmt_recommendation, by_agent_site, by_agent_id, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_type_recomm (sg_db_site, sg_db_id, sg_type_code, gmt_recommendation, by_agent_site, by_agent_id) | sg_db_site, sg_db_id, sg_type_code, gmt_recommendation, by_agent_site, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

#278 as_type_rec_remark

Description: Asset Type Recommendation Remarks

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|--|
| as_db_site | Foreign key reference to As_Type_Recomm.as_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_db_id | Foreign key reference to As_Type_Recomm.as_db_id, Included in composite primary key | UINT NOT NULL |
| as_type_code | Foreign key reference to As_Type_Recomm.as_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to As_Type_Recomm.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to As_Type_Recomm.by_agent_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to As_Type_Recomm.by_agent_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| remark_text | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | as_db_site, as_db_id, as_type_code, gmt_recommendation, by_agent_site, by_agent_id, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_type_recomm (as_db_site, as_db_id, as_type_code, gmt_recommendation, by_agent_site, by_agent_id) | as_db_site, as_db_id, as_type_code, gmt_recommendation, by_agent_site, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#279 model_rec_remark

Description: Model Recommendation Remarks

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|--|
| model_db_site | Foreign key reference to Model_Recomm.model_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| model_db_id | Foreign key reference to Model_Recomm.model_db_id, Included in composite primary key | UINT NOT NULL |
| model_id | Foreign key reference to Model_Recomm.model_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to Model_Recomm.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Model_Recomm.by_agent_site (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Model_Recomm.by_agent_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| remark_text | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | mf_db_site, mf_db_id, manuf_code, model_id, gmt_recommendation, by_agent_site, by_agent_id, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | model_recomm (model_db_site, model_db_id, model_id, gmt_recommendation, by_agent_site, by_agent_id) | model_db_site, model_db_id, model_id, gmt_recommendation, by_agent_site, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

#130 sg_rec_remark

Description: Segment Recommendation Remarks

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|--|
| segment_site | Foreign key reference to Sg_Recommendation.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Sg_Recommendation.segment_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to Sg_Recommendation.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Sg_Recommendation.by_agent_site (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Sg_Recommendation.by_agent_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| remark_text | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_recommendation (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id) | segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

#131 as_rec_remark

Description: Asset Recommendation Remarks

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|--|
| asset_org_site | Foreign key reference to As_Recommendation.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to As_Recommendation.asset_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to As_Recommendation.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to As_Recommendation.by_agent_site (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to As_Recommendation.by_agent_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| remark_text | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_recommendation (asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id) | asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

#322 ol_rec_remark

Description: Ordered List Recommendation Remarks

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|--------------------------|
| ord_list_db_site | Foreign key reference to OI_Recommendation.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to OI_Recommendation.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to OI_Recommendation.ord_list_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to OI_Recommendation.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to OI_Recommendation.by_agent_site (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to OI_Recommendation.by_agent_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| remark_text | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, ord_list_id, gmt_recommendation, by_agent_site, by_agent_id, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | ol_recommendation (ord_list_db_site, | ord_list_db_site, |

| | | |
|--|--|---|
| | ord_list_db_id, ord_list_id, gmt_recommendation, by_agent_site, by_agent_id) | ord_list_db_id, ord_list_id, gmt_recommendation, by_agent_site, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#313 sg_type_rec_blob

Description: Binary Data Related to a Segment Type Recommendation

| Attribute | Description | Size/Type |
|--------------------|--|--------------------------|
| sg_db_site | Foreign key reference to Sg_Type_Recomm.sg_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_db_id | Foreign key reference to Sg_Type_Recomm.sg_db_id, Included in composite primary key | UINT NOT NULL |
| sg_type_code | Foreign key reference to Sg_Type_Recomm.sg_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to Sg_Type_Recomm.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Sg_Type_Recomm.by_agent_site (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Sg_Type_Recomm.by_agent_id, Included in composite primary key | UINT NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to | UINT |

| | | |
|---------------------|--|--|
| | Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sg_db_site, sg_db_id, sg_type_code, gmt_recommendation, by_agent_site, by_agent_id, bd_db_site, bd_db_id, bd_type_code, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_type_recomm (sg_db_site, sg_db_id, sg_type_code, gmt_recommendation, by_agent_site, by_agent_id) | sg_db_site, sg_db_id, sg_type_code, gmt_recommendation, by_agent_site, by_agent_id |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#314 as_type_rec_blob

Description: Binary Data Related to an Asset Type Recommendation

| Attribute | Description | Size/Type |
|--------------------|--|--------------------------|
| as_db_site | Foreign key reference to As_Type_Recomm.as_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_db_id | Foreign key reference to As_Type_Recomm.as_db_id, Included in composite primary key | UINT NOT NULL |
| as_type_code | Foreign key reference to As_Type_Recomm.as_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to As_Type_Recomm.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to As_Type_Recomm.by_agent_site (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to As_Type_Recomm.by_agent_id, Included in composite primary key | UINT NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to | UINT |

| | | |
|---------------------|--|--|
| | Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | as_db_site, as_db_id, as_type_code, gmt_recommendation, by_agent_site, by_agent_id, bd_id_site, bd_db_id, bd_type_code, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_type_recomm (as_db_site, as_db_id, as_type_code, gmt_recommendation, by_agent_site, by_agent_id) | as_db_site, as_db_id, as_type_code, gmt_recommendation, by_agent_site, by_agent_id |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#315 model_rec_blob

Description: Binary Data Related to a Model Recommendation

| Attribute | Description | Size/Type |
|--------------------|--|--------------------------|
| model_db_site | Foreign key reference to Model_Recomm.model_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| model_db_id | Foreign key reference to Model_Recomm.model_db_id, Included in composite primary key | UINT NOT NULL |
| model_id | Foreign key reference to Model_Recomm.model_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to Model_Recomm.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Model_Recomm.by_agent_site (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Model_Recomm.by_agent_id, Included in composite primary key | UINT NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to | UINT |

| | | |
|---------------------|--|--|
| | Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | model_db_site, model_db_id, model_id, gmt_recommendation, by_agent_site, by_agent_id, bd_db_site, bd_db_id, bd_type_code, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | model_recomm (model_db_site, model_db_id, model_id, gmt_recommendation, by_agent_site, by_agent_id) | model_db_site, model_db_id, model_id, gmt_recommendation, by_agent_site, by_agent_id |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#311 sg_rec_blob

Description: Binary Data Related to a Segment Recommendation

| Attribute | Description | Size/Type |
|--------------------|--|--------------------------|
| segment_site | Foreign key reference to Sg_Recommendation.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Sg_Recommendation.segment_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to Sg_Recommendation.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Sg_Recommendation.by_agent_site (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Sg_Recommendation.by_agent_id, Included in composite primary key | UINT NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft | UINT |

| | | |
|---------------------|--|--|
| | deleting this entry | |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id, bd_db_site, bd_db_id, bd_type_code, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_recommendation (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id) | segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#312 as_rec_blob

Description: Binary Data Related to an Asset Recommendation

| Attribute | Description | Size/Type |
|--------------------|--|--------------------------|
| asset_org_site | Foreign key reference to As_Recommendation.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to As_Recommendation.asset_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to As_Recommendation.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to As_Recommendation.by_agent_site (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to As_Recommendation.by_agent_id, Included in composite primary key | UINT NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft | UINT |

| | | |
|---------------------|--|--|
| | deleting this entry | |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id, bd_db_site, bd_db_id, bd_type_code, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_recommendation (asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id) | asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#280 sg_type_rec_hyp_ev

Description: Hypothetical Segment Events Linked to Segment Type Recommendations

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| sg_db_site | Foreign key reference to Sg_Type_Recomm.sg_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_db_id | Foreign key reference to Sg_Type_Recomm.sg_db_id, Included in composite primary key | UINT NOT NULL |
| sg_type_code | Foreign key reference to Sg_Type_Recomm.type_code, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to Sg_Type_Recomm.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Sg_Type_Recomm.by_agent_site (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Sg_Type_Recomm.by_agent_id, Included in composite primary key | UINT NOT NULL |
| sg_hyp_db_site | Foreign key reference to Sg_Hyp_Event.sg_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_hyp_db_id | Foreign key reference to Sg_Hyp_Event.sg_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| sg_hyp_event_id | Foreign key reference to Sg_Hyp_Event.sg_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sg_db_site, sg_db_id, sg_type_code, | |

| | | |
|---------------------|--|---|
| | gmt_recommendation, by_agent_site, by_agent_id, sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_type_recomm (sg_db_site, sg_db_id, sg_type_code, gmt_recommendation, by_agent_site, by_agent_id) | sg_db_site, sg_db_id, sg_type_code, gmt_recommendation, by_agent_site, by_agent_id |
| | sg_hyp_event (sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id) | sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#281 as_type_rec_hyp_ev

Description: Hypothetical Asset Events Linked to Asset Type Recommendations

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| as_db_site | Foreign key reference to As_Type_Recomm.as_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_db_id | Foreign key reference to As_Type_Recomm.as_db_id, Included in composite primary key | UINT NOT NULL |
| as_type_code | Foreign key reference to As_Type_Recomm.as_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to As_Type_Recomm.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to As_Type_Recomm.by_agent_site (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to As_Type_Recomm.by_agent_id, Included in composite primary key | UINT NOT NULL |
| as_hyp_db_site | Foreign key reference to As_Hyp_Event.as_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_hyp_db_id | Foreign key reference to As_Hyp_Event.as_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| as_hyp_event_id | Foreign key reference to As_Hyp_Event.as_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | as_db_site, as_db_id, as_type_code, | |

| | | |
|---------------------|--|---|
| | gmt_recommendation, by_agent_site, by_agent_id, as_hyp_db_site, as_hyp_db_id, as_hyp_event_id | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_type_recomm (as_db_site, as_db_id, as_type_code, gmt_recommendation, by_agent_site, by_agent_id) | as_db_site, as_db_id, as_type_code, gmt_recommendation, by_agent_site, by_agent_id |
| | as_hyp_event (as_hyp_db_site, as_hyp_db_id, as_hyp_event_id) | as_hyp_db_site, as_hyp_db_id, as_hyp_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#282 model_rec_hyp_ev

Description: Hypothetical Model Events Linked To Model Recommendations

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| model_db_site | Foreign key reference to Model_Recomm.model_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| model_db_id | Foreign key reference to Model_Recomm.model_db_id, Included in composite primary key | UINT NOT NULL |
| model_id | Foreign key reference to Model_Recomm.model_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to Model_Recomm.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Model_Recomm.by_agent_site (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Model_Recomm.by_agent_id, Included in composite primary key | UINT NOT NULL |
| mod_hyp_db_site | Foreign key reference to Model_Hyp_Event.mod_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| mod_hyp_db_id | Foreign key reference to Model_Hyp_Event.mod_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| mod_hyp_event_id | Foreign key reference to Model_Hyp_Event.mod_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | model_db_site, model_db_id, | |

| | | |
|---------------------|--|---|
| | model_id, gmt_recommendation, by_agent_site, by_agent_id, mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | model_recomm (model_db_site, model_db_id, model_id, gmt_recommendation, by_agent_site, by_agent_id) | model_db_site, model_db_id, model_id, gmt_recommendation, by_agent_site, by_agent_id |
| | model_hyp_event (mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id) | mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#270 sg_rec_sg_hyp_ev

Description: Hypothetical Service Segment Events Linked to Segment Recommendations

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| segment_site | Foreign key reference to Sg_Recommendation.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Sg_Recommendation.segment_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to Sg_Recommendation.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Sg_Recommendation.by_agent_site (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Sg_Recommendation.by_agent_id, Included in composite primary key | UINT NOT NULL |
| sg_hyp_db_site | Foreign key reference to Sg_Hyp_Event.sg_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_hyp_db_id | Foreign key reference to Sg_Hyp_Event.sg_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| sg_hyp_event_id | Foreign key reference to Sg_Hyp_Event.sg_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id, sg_hyp_db_site, | |

| | | |
|---------------------|--|--|
| | sg_hyp_db_id, sg_hyp_event_id | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_recommendation (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id) | segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id |
| | sg_hyp_event (sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id) | sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#271 as_rec_as_hyp_ev

Description: Hypothetical Asset Events Linked to Asset Recommendations

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| asset_org_site | Foreign key reference to As_Recommendation.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to As_Recommendation.asset_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to As_Recommendation.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to As_Recommendation.by_agent_site (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to As_Recommendation.by_agent_id, Included in composite primary key | UINT NOT NULL |
| as_hyp_db_site | Foreign key reference to As_Hyp_Event.as_hyp_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_hyp_db_id | Foreign key reference to As_Hyp_Event.as_hyp_db_id, Included in composite primary key | UINT NOT NULL |
| as_hyp_event_id | Foreign key reference to As_Hyp_Event.as_hyp_event_id, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id, as_hyp_db_site, | |

| | | |
|---------------------|--|--|
| | as_hyp_db_id, as_hyp_event_id | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_recommendation (asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id) | asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id |
| | as_hyp_event (as_hyp_db_site, as_hyp_db_id, as_hyp_event_id) | as_hyp_db_site, as_hyp_db_id, as_hyp_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#272 sg_rec_sg_prop_ev

Description: Proposed Service Segment Events Linked to Segment Recommendations

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|--|--------------------------|
| segment_site | Foreign key reference to Sg_Recommendation.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Sg_Recommendation.segment_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to Sg_Recommendation.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Sg_Recommendation.by_agent_site (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Sg_Recommendation.by_agent_id, Included in composite primary key | UINT NOT NULL |
| sg_prop_db_site | Foreign key reference to Sg_Proposed_Event.sg_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_prop_db_id | Foreign key reference to Sg_Proposed_Event.sg_prop_db_id, Included in composite primary key | UINT NOT NULL |
| sg_prop_event_id | Foreign key reference to Sg_Proposed_Event.sg_prop_event_id, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id, sg_prop_db_site, sg_prop_db_id, sg_prop_event_id | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|--|
| | sg_recommendation (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id) | segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id |
| | sg_proposed_event (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id) | sg_prop_db_site, sg_prop_db_id, sg_prop_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#273 as_rec_as_prop_ev

Description: Proposed Asset Events Linked to Asset Recommendations

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|--|--------------------------|
| asset_org_site | Foreign key reference to As_Recommendation.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to As_Recommendation.asset_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to As_Recommendation.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to As_Recommendation.by_agent_site (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to As_Recommendation.by_agent_id Included in composite primary key | UINT NOT NULL |
| as_prop_db_site | Foreign key reference to As_Proposed_Event.as_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_prop_db_id | Foreign key reference to As_Proposed_Event.as_prop_db_id, Included in composite primary key | UINT NOT NULL |
| as_prop_event_id | Foreign key reference to As_Proposed_Event.as_prop_event_id, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id, as_prop_db_site, as_prop_db_id, as_prop_event_id | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|--|
| | as_recommendation (asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id) | asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id |
| | as_proposed_event (as_prop_db_site, as_prop_db_id, as_prop_event_id) | as_prop_db_site, as_prop_db_id, as_prop_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#208 sg_rec_sg_event

Description: Actual Segment Events Linked to Segment Recommendations

| Attribute | Description | Size/Type |
|--------------------|---|--------------------------|
| segment_site | Foreign key reference to Sg_Recommendation.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Sg_Recommendation.segment_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to Sg_Recommendation.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Sg_Recommendation.by_agent_site (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Sg_Recommendation.by_agent_id, Included in composite primary key | UINT NOT NULL |
| ev_sg_site | Foreign key reference to Segment_Event.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_sg_id | Foreign key reference to Segment_Event.segment_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Segment_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Segment_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Segment_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Segment_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |

| | | |
|---------------------|--|--|
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id, ev_sg_site, ev_sg_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_recommendation (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id) | segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id |
| | segment_event (segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | ev_sg_site, ev_sg_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#209 as_rec_as_event

Description: Actual Asset Events Linked to Asset Recommendations

| Attribute | Description | Size/Type |
|--------------------|---|--------------------------|
| asset_org_site | Foreign key reference to As_Recommendation.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to As_Recommendation.segment_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to As_Recommendation.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to As_Recommendation.by_agent_site (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to As_Recommendation.by_agent_id, Included in composite primary key | UINT NOT NULL |
| ev_as_org_site | Foreign key reference to Asset_Event.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_as_id | Foreign key reference to Asset_Event.asset_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Asset_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Asset_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Asset_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Asset_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |

| | | |
|---------------------|--|--|
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id, ev_as_org_site, ev_as_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_recommendation (asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id) | asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id |
| | asset_event (asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | ev_as_org_site, ev_as_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#302 sg_rec_sg_health

Description: Segment Health Assessment Linked to Segment Recommendations

| Attribute | Description | Size/Type |
|--------------------|---|--------------------------|
| segment_site | Foreign key reference to Sg_Recommendation.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Sg_Recommendation.segment_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to Sg_Recommendation.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Sg_Recommendation.by_agent_site (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Sg_Recommendation.by_agent_id, Included in composite primary key | UINT NOT NULL |
| hth_sg_site | Foreign key reference to Segment_Health.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| hth_sg_id | Foreign key reference to Segment_Health.segment_id, Included in composite primary key | UINT NOT NULL |
| hth_gmt_assess | Foreign key reference to Segment_Health.gmt_assessment, Included in composite primary key | DATETIME(19:29) NOT NULL |
| hth_by_agent_site | Foreign key reference to Segment_Health.by_agent_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| hth_by_agent_id | Foreign key reference to Segment_Health.by_agent_id, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this | USHORT |

| | | |
|---------------------|--|--|
| | entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id, hth_sg_site, hth_sg_id, hth_gmt_assess, hth_by_agent_site, hth_by_agent_id | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_recommendation (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id) | segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id |
| | segment_health (segment_site, segment_id, gmt_assessment, by_agent_site, by_agent_id) | hth_sg_site, hth_sg_id, hth_gmt_assess, hth_by_agent_site, hth_by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#303 as_rec_as_health

Description: Asset Health Assessment Linked to Asset Recommendations

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| asset_org_site | Foreign key reference to As_Recommendation.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to As_Recommendation.asset_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to As_Recommendation.gmt_assessment, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to As_Recommendation.by_agent_site (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to As_Recommendation.by_agent_id, Included in composite primary key | UINT NOT NULL |
| hth_as_org_site | Foreign key reference to Asset_Health.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| hth_asset_id | Foreign key reference to Asset_Health.asset_id, Included in composite primary key | UINT NOT NULL |
| hth_gmt_assess | Foreign key reference to Asset_Health.gmt_assessment, Included in composite primary key | DATETIME(19:29) NOT NULL |
| hth_by_agent_site | Foreign key reference to Asset_Health.by_agent_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| hth_by_agent_id | Foreign key reference to Asset_Health.by_agent_id, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|--|---|
| | asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id, hth_as_site, hth_as_id, hth_gmt_assess, hth_by_agent_site, hth_by_agent_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_recommendation (asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id) | asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id |
| | asset_health (asset_org_site, asset_id, gmt_assessment, by_agent_site, by_agent_id) | hth_as_site, hth_as_id, hth_gmt_assess, hth_by_agent_site, hth_by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#304 sg_rec_mevent

Description: Measurement Events Linked to Segment Recommendations

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| segment_site | Foreign key reference to Sg_Recommendation.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Sg_Recommendation.segment_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to Sg_Recommendation.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Sg_Recommendation.by_agent_site (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Sg_Recommendation.by_agent_id, Included in composite primary key | UINT NOT NULL |
| meas_loc_site | Foreign key reference to Meas_Event.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Event.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Meas_Event.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id, meas_loc_site, | |

| | | |
|---------------------|--|--|
| | meas_loc_id, gmt_event | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_recommendation (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id) | segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id |
| | meas_event (meas_loc_site, meas_loc_id, gmt_event) | meas_loc_site, meas_loc_id, gmt_event |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#305 as_rec_mevent

Description: Proposed Asset Events Linked to Asset Recommendations

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| asset_org_site | Foreign key reference to As_Recommendation.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to As_Recommendation.asset_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to As_Recommendation.gmt_assessment, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to As_Recommendation.by_agent_site (originator), Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to As_Recommendation.by_agent_id, Included in composite primary key | UINT NOT NULL |
| meas_loc_site | Foreign key reference to Meas_Event.meas_loc_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| meas_loc_id | Foreign key reference to Meas_Event.meas_loc_id, Included in composite primary key | UINT NOT NULL |
| gmt_event | Foreign key reference to Meas_Event.gmt_event, Included in composite primary key | DATETIME(19:29) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id, meas_loc_site, meas_loc_id, gmt_event | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|--|
| | as_recommendation (asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id) | asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id |
| | meas_event (meas_loc_site, meas_loc_id, gmt_event) | meas_loc_site, meas_loc_id, gmt_event |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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Work Management Entities

#181 solution_package

Description: Package of Pre-defined Work and Associated Information to Be Done Based On a Need

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------------|---|------------------------|
| sol_pack_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sol_pack_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| sol_pack_id | Included in composite primary key | UINT NOT NULL |
| sol_db_site | Foreign key reference to Solution_Pack_Type.sol_db_site | HEXSTRING(16) NOT NULL |
| sol_db_id | Foreign key reference to Solution_Pack_Type.sol_db_id | UINT NOT NULL |
| sol_type_code | Foreign key reference to Solution_Pack_Type.sol_type_code | UINT NOT NULL |
| gmt_created | | DATETIME(19:29) |
| loc_hr_delta | | SHORT |
| loc_min_delta | | USHORT |
| priority_lev_db_site | Foreign key reference to Priority_Level_Type.priority_lev_db_site | HEXSTRING(16) |
| priority_lev_db_id | Foreign key reference to Priority_Level_Type.priority_lev_db_id | UINT |
| priority_lev_type_code | Foreign key reference to Priority_Level_Type.priority_lev_type_code | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sol_pack_db_site, sol_pack_db_id, sol_pack_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |

| | | |
|--|--|--|
| | site_database (db_site, db_id) | sol_pack_db_site, sol_pack_db_id |
| | solution_pack_type (sol_db_site, sol_db_id, sol_type_code) | sol_db_site, sol_db_id, sol_type_code |
| | priority_level_type (priority_lev_db_site, priority_lev_db_id, priority_lev_type_code) | priority_lev_db_site, priority_lev_db_id, priority_lev_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#516 solution_package_num_data

Description: Solution Package Numeric Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| sol_pack_db_site | Foreign key reference to Solution_Package.sol_pack_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sol_pack_db_id | Foreign key reference to Solution_Package.sol_pack_db_id, Included in composite primary key | UINT NOT NULL |
| sol_pack_id | Foreign key reference to Solution_Package.sol_pack_id, Included in composite primary key | UINT NOT NULL |
| wn_db_site | Foreign key reference to Work_Num_Data_Type.wn_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| wn_db_id | Foreign key reference to Work_Num_Data_Type.wn_db_id, Included in composite primary key | UINT NOT NULL |
| wn_type_code | Foreign key reference to Work_Num_Data_Type.wn_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sol_pack_db_site, sol_pack_db_id, sol_pack_id, wn_db_site, wn_db_id, wn_type_code | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|---|
| | solution_package (sol_pack_db_site, sol_pack_db_id, sol_pack_id) | sol_pack_db_site, sol_pack_db_id, sol_pack_id |
| | work_num_data_type (wn_db_site, wn_db_id, wn_type_code) | wn_db_site, wn_db_id, wn_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#524 solution_package_chr_data

Description: Solution Package Character Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| sol_pack_db_site | Foreign key reference to Solution_Package.sol_pack_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sol_pack_db_id | Foreign key reference to Solution_Package.sol_pack_db_id, Included in composite primary key | UINT NOT NULL |
| sol_pack_id | Foreign key reference to Solution_Package.sol_pack_id, Included in composite primary key | UINT NOT NULL |
| wc_db_site | Foreign key reference to Work_Chr_Dat_Type.wc_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| wc_db_id | Foreign key reference to Work_Chr_Dat_Type.wc_db_id, Included in composite primary key | UINT NOT NULL |
| wc_type_code | Foreign key reference to Work_Chr_Dat_Type.wc_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sol_pack_db_site, sol_pack_db_id, sol_pack_id, wc_db_site, wc_db_id, wc_type_code | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|---|
| | solution_package (sol_pack_db_site, sol_pack_db_id, sol_pack_id) | sol_pack_db_site, sol_pack_db_id, sol_pack_id |
| | work_chr_dat_type (wc_db_site, wc_db_id, wc_type_code) | wc_db_site, wc_db_id, wc_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#531 solution_package_blob_data

Description: Solution Package Binary Data Entity

| Attribute | Description | Size/Type |
|------------------|--|------------------------|
| sol_pack_db_site | Foreign key reference to Solution_Package.sol_pack_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sol_pack_db_id | Foreign key reference to Solution_Package.sol_pack_db_id, Included in composite primary key | UINT NOT NULL |
| sol_pack_id | Foreign key reference to Solution_Package.sol_pack_id, Included in composite primary key | UINT NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| bd_ordering_seq | Included in composite primary key | UINT NOT NULL |
| blct_db_site | Foreign key reference to Blob_Content_Type.blct_db_site | HEXSTRING(16) NOT NULL |
| blct_db_id | Foreign key reference to Blob_Content_Type.blct_db_id | UINT NOT NULL |
| blc_type_code | Foreign key reference to Blob_Content_Type.blc_type_code | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to | USHORT |

| | | |
|---------------------|--|---|
| | Row_Status_Type.rstat_type_cod which determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sol_pack_db_site, sol_pack_db_id, sol_pack_id, bd_db_site, bd_db_id, bd_type_code, bd_ordering_seq | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | solution_package (sol_pack_db_site, sol_pack_db_id, sol_pack_id) | sol_pack_db_site, sol_pack_db_id, sol_pack_id |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | blob_content_type (blct_db_site, blct_db_id, blc_type_code) | blct_db_site, blct_db_id, blc_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#507 solution_package_step

Description: Solution Package Step

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------------|---|------------------------|
| sol_pack_step_db_site | Included in composite primary key | HEXSTRING(16) NOT NULL |
| sol_pack_step_db_id | Included in composite primary key | UINT NOT NULL |
| sol_pack_step_id | Included in composite primary key | UINT NOT NULL |
| sol_pack_db_site | Foreign key reference to Solution_Package.sol_pack_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sol_pack_db_id | Foreign key reference to Solution_Package.sol_pack_db_id, Included in composite primary key | UINT NOT NULL |
| sol_pack_id | Foreign key reference to Solution_Package.sol_pack_id, Included in composite primary key | UINT NOT NULL |
| seq_num | | UINT |
| gmt_created | | DATETIME(19:29) |
| loc_hr_delta | | SHORT |
| loc_min_delta | | USHORT |
| priority_lev_db_site | Foreign key reference to Priority_Level_Type.priority_lev_db_site | HEXSTRING(16) |
| priority_lev_db_id | Foreign key reference to Priority_Level_Type.priority_lev_db_id | UINT |
| priority_lev_type_code | Foreign key reference to Priority_Level_Type.priority_lev_type_code | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| long_description | Long_description field | STRING(0:4000) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sol_pack_step_db_site, sol_pack_step_db_id, sol_pack_step_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |

| | | |
|--|--|--|
| | solution_package (sol_pack_db_site, sol_pack_db_id, sol_pack_id) | sol_pack_db_site, sol_pack_db_id, sol_pack_id |
| | priority_level_type (priority_lev_db_site, priority_lev_db_id, priority_lev_type_code) | priority_lev_db_site, priority_lev_db_id, priority_lev_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#517 solution_package_step_num_data

Description: Solution Package Step Numeric Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-----------------------|---|------------------------|
| sol_pack_step_db_site | Foreign key reference to Solution_Package_Step.sol_pack_step_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sol_pack_step_db_id | Foreign key reference to Solution_Package_Step.sol_pack_step_db_id, Included in composite primary key | UINT NOT NULL |
| sol_pack_step_id | Foreign key reference to Solution_Package_Step.sol_pack_step_id, Included in composite primary key | UINT NOT NULL |
| wn_db_site | Foreign key reference to Work_Num_Data_Type.wn_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| wn_db_id | Foreign key reference to Work_Num_Data_Type.wn_db_id, Included in composite primary key | UINT NOT NULL |
| wn_type_code | Foreign key reference to Work_Num_Data_Type.wn_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sol_pack_step_db_site, sol_pack_step_db_id, sol_pack_step_id, wn_db_site, wn_db_id, wn_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |

| | | |
|--|--|--|
| | solution_package_step (sol_pack_step_db_site, sol_pack_step_db_id, sol_pack_step_id) | sol_pack_step_db_site, sol_pack_step_db_id, sol_pack_step_id |
| | work_num_data_type (wn_db_site, wn_db_id, wn_type_code) | wn_db_site, wn_db_id, wn_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#523 solution_package_step_chr_data

Description: Solution Package Step Character Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-----------------------|---|------------------------|
| sol_pack_step_db_site | Foreign key reference to Solution_Package_Step.sol_pack_step_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sol_pack_step_db_id | Foreign key reference to Solution_Package_Step.sol_pack_step_db_id, Included in composite primary key | UINT NOT NULL |
| sol_pack_step_id | Foreign key reference to Solution_Package_Step.sol_pack_step_id, Included in composite primary key | UINT NOT NULL |
| wc_db_site | Foreign key reference to Work_Chr_Dat_Type.wc_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| wc_db_id | Foreign key reference to Work_Chr_Dat_Type.wc_db_id, Included in composite primary key | UINT NOT NULL |
| wc_type_code | Foreign key reference to Work_Chr_Dat_Type.wc_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sol_pack_step_db_site, sol_pack_step_db_id, | |

| | | |
|---------------------|---|--|
| | sol_pack_step_id, wc_db_site, wc_db_id, wc_type_code | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | solution_package_step (sol_pack_step_db_site, sol_pack_step_db_id, sol_pack_step_id) | sol_pack_step_db_site, sol_pack_step_db_id, sol_pack_step_id |
| | work_chr_dat_type (wc_db_site, wc_db_id, wc_type_code) | wc_db_site, wc_db_id, wc_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#530 solution_package_step_blob_dat

Description: Solution Package Step Binary Data Entity

| Attribute | Description | Size/Type |
|-----------------------|--|------------------------|
| sol_pack_step_db_site | Foreign key reference to Solution_Package_Step.sol_pack_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sol_pack_step_db_id | Foreign key reference to Solution_Package_Step.sol_pack_db_id, Included in composite primary key | UINT NOT NULL |
| sol_pack_step_id | Foreign key reference to Solution_Package_Step.sol_pack_step_id, Included in composite primary key | UINT NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| bd_ordering_seq | Included in composite primary key | UINT NOT NULL |
| blct_db_site | Foreign key reference to Blob_Content_Type.blct_db_site | HEXSTRING(16) NOT NULL |
| blct_db_id | Foreign key reference to Blob_Content_Type.blct_db_id | UINT NOT NULL |
| blc_type_code | Foreign key reference to Blob_Content_Type.blc_type_code | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which | USHORT |

| | | |
|---------------------|--|--|
| | determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sol_pack_step_db_site, sol_pack_step_db_id, sol_pack_step_id, bd_db_site, bd_db_id, bd_type_code, bd_ordering_seq | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | solution_package_step (sol_pack_step_db_site, sol_pack_step_db_id, sol_pack_step_id) | sol_pack_step_db_site, sol_pack_step_db_id, sol_pack_step_id |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | blob_content_type (blct_db_site, blct_db_id, blc_type_code) | blct_db_site, blct_db_id, blc_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#511 sol_pack_step_ord_list_needed

Description: Ordered List (Associated Bill of Materiel, etc.) Needed for a Solution Package Step

This entity will hold all associated ordered lists (Bill of Material, Bill of Labour, etc.) needed by a Solution Package Step.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-----------------------|---|------------------------|
| sol_pack_step_db_site | Foreign key reference to Request.sol_pack_step_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sol_pack_step_db_id | Foreign key reference to Request.sol_pack_step_db_id, Included in composite primary key | UINT NOT NULL |
| sol_pack_step_id | Foreign key reference to Request.sol_pack_step_id, Included in composite primary key | UINT NOT NULL |
| ord_list_db_site | Foreign key reference to Ordered_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Ordered_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Ordered_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | sol_pack_step_db_site, sol_pack_step_db_id, sol_pack_step_id, ord_list_db_site, ord_list_db_id, ord_list_id | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|--|
| | request (sol_pack_step_db_site, sol_pack_step_db_id, sol_pack_step_id) | sol_pack_step_db_site, sol_pack_step_db_id, sol_pack_step_id |
| | ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id) | ord_list_db_site, ord_list_db_id, ord_list_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |

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#330 as_sol_pack

Description: Associated Solution Packages for an Asset

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|---|
| asset_org_site | Foreign key reference to Asset.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset.asset_id, Included in composite primary key | UINT NOT NULL |
| sol_pack_db_site | Foreign key reference to Solution_Package.sol_pack_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sol_pack_db_id | Foreign key reference to Solution_Package.sol_pack_db_id, Included in composite primary key | UINT NOT NULL |
| sol_pack_id | Foreign key reference to Solution_Package.sol_pack_id, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, sol_pack_db_site, sol_pack_db_id, sol_pack_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | solution_package (sol_pack_db_site, sol_pack_db_id, sol_pack_id) | sol_pack_db_site, sol_pack_db_id, sol_pack_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#331 sg_sol_pack

Description: Associated Solution Packages for a Segment

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|---|
| segment_site | Foreign key reference to Segment.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment.segment_id, Included in composite primary key | UINT NOT NULL |
| sol_pack_db_site | Foreign key reference to Solution_Package.sol_pack_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sol_pack_db_id | Foreign key reference to Solution_Package.sol_pack_db_id, Included in composite primary key | UINT NOT NULL |
| sol_pack_id | Foreign key reference to Solution_Package.sol_pack_id, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, sol_pack_db_site, sol_pack_db_id, sol_pack_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | solution_package (sol_pack_db_site, sol_pack_db_id, sol_pack_id) | sol_pack_db_site, sol_pack_db_id, sol_pack_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#332 ol_sol_pack

Description: Associated Solution Packages for an Ordered List

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|---|
| ord_list_db_site | Foreign key reference to Ordered_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Ordered_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Ordered_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| sol_pack_db_site | Foreign key reference to Solution_Package.sol_pack_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sol_pack_db_id | Foreign key reference to Solution_Package.sol_pack_db_id, Included in composite primary key | UINT NOT NULL |
| sol_pack_id | Foreign key reference to Solution_Package.sol_pack_id, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, ord_list_id, sol_pack_db_site, sol_pack_db_id, sol_pack_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id) | ord_list_db_site, ord_list_db_id, ord_list_id |
| | solution_package (sol_pack_db_site, sol_pack_db_id, sol_pack_id) | sol_pack_db_site, sol_pack_db_id, sol_pack_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

#6 request

Description: Request Entity

Holds agents' requisitions for work, materials, tools, and/or labor. CCOM V3.0 and CRIS V3.0 support requests for work for segment, assets, and ordered lists. Future enhancements will support requests for materials, tools, and labor.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-------------------------|---|------------------------|
| req_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| req_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| request_id | Included in composite primary key | UINT NOT NULL |
| gmt_created | | DATETIME(19:29) |
| loc_hr_delta | | SHORT |
| loc_min_delta | | USHORT |
| by_agent_site | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| from_sy_agent_site | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| from_sy_agent_id | Foreign key reference to Agent.agent_id | UINT |
| priority_lev_db_site | Foreign key reference to Priority_Level_Type.priority_lev_db_site | HEXSTRING(16) |
| priority_lev_db_id | Foreign key reference to Priority_Level_Type.priority_lev_db_id | UINT |
| priority_lev_type_code | Foreign key reference to Priority_Level_Type.priority_lev_type_code | UINT |
| eng_study_entry_db_site | Foreign key reference to Eng_Study_Entry.eng_study_entry_db_site | HEXSTRING(16) |
| eng_study_entry_db_id | Foreign key reference to Eng_Study_Entry.eng_study_entry_db_id | UINT |
| eng_study_entry_id | Foreign key reference to Eng_Study_Entry.eng_study_entry_id | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which | USHORT |

| | | |
|---------------------|---|--|
| | determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | req_db_site, req_db_id, request_id | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | req_db_site, req_db_id |
| | agent (org_agent_site, agent_id) | by_agent_site, by_agent_id |
| | agent (org_agent_site, agent_id) | from_sy_agent_site, from sy_agent_id |
| | priority_level_type (priority_lev_db_site, priority_lev_db_id, priority_lev_type_code) | priority_lev_db_site, priority_lev_db_id, priority_lev_type_code |
| | eng_study_entry (eng_study_entry_db_site, eng_study_entry_db_id, eng_study_entry_id) | eng_study_entry_db_sit e, eng_study_entry_db_id, eng_study_entry_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#515 request_num_data

Description: Request Numeric Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------|
| req_db_site | Foreign key reference to Request.req_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| req_db_id | Foreign key reference to Request.req_db_id, Included in composite primary key | UINT NOT NULL |
| request_id | Foreign key reference to Request.request_id, Included in composite primary key | UINT NOT NULL |
| wn_db_site | Foreign key reference to Work_Num_Data_Type.wn_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| wn_db_id | Foreign key reference to Work_Num_Data_Type.wn_db_id, Included in composite primary key | UINT NOT NULL |
| wn_type_code | Foreign key reference to Work_Num_Data_Type.wn_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | req_db_site, req_db_id, request_id, wn_db_site, wn_db_id, wn_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |

| | | |
|--|---|------------------------------------|
| | request (req_db_site, req_db_id, request_id) | req_db_site, req_db_id, request_id |
| | work_num_data_type (wn_db_site, wn_db_id, wn_type_code) | wn_db_site, wn_db_id, wn_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#519 request_chr_data

Description: Request Character Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| req_db_site | Foreign key reference to Request.req_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| req_db_id | Foreign key reference to Request.req_db_id, Included in composite primary key | UINT NOT NULL |
| request_id | Foreign key reference to Request.request_id, Included in composite primary key | UINT NOT NULL |
| wc_db_site | Foreign key reference to Work_Chr_Dat_Type.wc_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| wc_db_id | Foreign key reference to Work_Chr_Dat_Type.wc_db_id, Included in composite primary key | UINT NOT NULL |
| wc_type_code | Foreign key reference to Work_Chr_Dat_Type.wc_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | req_db_site, req_db_id, request_id, wc_db_site, wc_db_id, wc_type_code | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|------------------------------------|
| | request (req_db_site, req_db_id, request_id) | req_db_site, req_db_id, request_id |
| | work_chr_dat_type (wc_db_site, wc_db_id, wc_type_code) | wc_db_site, wc_db_id, wc_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#532 request_blob_data

Description: Request Binary Data Entity

This entity will hold all the current binary data related to a Request.

| Attribute | Description | Size/Type |
|------------------|--|------------------------|
| req_db_site | Foreign key reference to Request.req_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| req_db_id | Foreign key reference to Request.req_db_id, Included in composite primary key | UINT NOT NULL |
| request_id | Foreign key reference to Request.request_id, Included in composite primary key | UINT NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| bd_ordering_seq | Included in composite primary key | UINT NOT NULL |
| blct_db_site | Foreign key reference to Blob_Content_Type.blct_db_site | HEXSTRING(16) NOT NULL |
| blct_db_id | Foreign key reference to Blob_Content_Type.blct_db_id | UINT NOT NULL |
| blc_type_code | Foreign key reference to Blob_Content_Type.blc_type_code | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft | UINT |

| | | |
|---------------------|---|---|
| | deleting this entry | |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | req_db_site, req_db_id, request_id, bd_db_site, bd_db_id, bd_type_code, bd_ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | request (req_db_site, req_db_id, request_id) | req_db_site, req_db_id, request_id |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | blob_content_type (blct_db_site, blct_db_id, blc_type_code) | blct_db_site, blct_db_id, blc_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#450 request_ord_list_needed

Description: Pre-work Ordered List (Associated Bill of Materiel, etc.) Needed for a Request (Segment Request for Work, Asset Request for Work Ordered List Request For Work)

This entity will hold all associated ordered lists (Bill of Material, Bill of Labour, etc.) needed on a request.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| req_db_site | Foreign key reference to Request.req_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| req_db_id | Foreign key reference to Request.req_db_id, Included in composite primary key | UINT NOT NULL |
| request_id | Foreign key reference to Request.request_id, Included in composite primary key | UINT NOT NULL |
| ord_list_db_site | Foreign key reference to Ordered_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Ordered_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Ordered_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | req_db_site, req_db_id, request_id, ord_list_db_site, ord_list_db_id, ord_list_id | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|---|
| | request (req_db_site, req_db_id, request_id) | req_db_site, req_db_id, request_id |
| | ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id) | ord_list_db_site, ord_list_db_id, ord_list_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#539 request_for_sg_prop_event

Description: Request For Segment Proposed Event

This entity will hold requests associated with a segment proposed event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------------------|
| req_db_site | Foreign key reference to Request.req_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| req_db_id | Foreign key reference to Request.req_db_id, Included in composite primary key | UINT NOT NULL |
| request_id | Foreign key reference to Request.request_id, Included in composite primary key | UINT NOT NULL |
| sg_prop_db_site | Foreign key reference to Sg_Proposed_Event.sg_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_prop_db_id | Foreign key reference to Sg_Proposed_Event.sg_prop_db_id, Included in composite primary key | UINT NOT NULL |
| sg_prop_event_id | Foreign key reference to Sg_Proposed_Event.sg_prop_event_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | req_db_site, req_db_id, request_id, sg_prop_db_site, sg_prop_db_id, sg_prop_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | request (req_db_site, req_db_id, request_id) | req_db_site, req_db_id, request_id |
| | sg_proposed_event (sg_prop_db_site, | sg_prop_db_site, |

| | | |
|--|----------------------------------|-------------------------------------|
| | sg_prop_db_id, sg_prop_event_id) | sg_prop_db_id, sg_prop_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#543 request_for_as_prop_event

Description: Request For Asset Proposed Event

This entity will hold requests associated with a asset proposed event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------------------|
| req_db_site | Foreign key reference to Request.req_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| req_db_id | Foreign key reference to Request.req_db_id, Included in composite primary key | UINT NOT NULL |
| request_id | Foreign key reference to Request.request_id, Included in composite primary key | UINT NOT NULL |
| as_prop_db_site | Foreign key reference to As_Proposed_Event.as_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_prop_db_id | Foreign key reference to As_Proposed_Event.as_prop_db_id, Included in composite primary key | UINT NOT NULL |
| as_prop_event_id | Foreign key reference to As_Proposed_Event.as_prop_event_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | req_db_site, req_db_id, request_id, as_prop_db_site, as_prop_db_id, as_prop_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | request (req_db_site, req_db_id, request_id) | req_db_site, req_db_id, request_id |
| | as_proposed_event (as_prop_db_site, | as_prop_db_site, |

| | | |
|--|----------------------------------|-------------------------------------|
| | as_prop_db_id, as_prop_event_id) | as_prop_db_id, as_prop_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#547 request_for_sg_event

Description: Request For Segment Event

This entity will hold Requests associated with a segment event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|--------------------------|
| req_db_site | Foreign key reference to Request.req_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| req_db_id | Foreign key reference to Request.req_db_id, Included in composite primary key | UINT NOT NULL |
| request_id | Foreign key reference to Request.request_id, Included in composite primary key | UINT NOT NULL |
| ev_segment_site | Foreign key reference to Segment_Event.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_segment_id | Foreign key reference to Segment_Event.segment_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Segment_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Segment_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Segment_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Segment_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|---|---|
| | req_db_site, req_db_id, request_id, ev_segment_site, ev_segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | request (req_db_site, req_db_id, request_id) | req_db_site, req_db_id, request_id |
| | segment_event (segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | ev_segment_site, ev_segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#551 request_for_as_event

Description: Request For Asset Event

This entity will hold Requests associated with an asset event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-------------------|---|--------------------------|
| req_db_site | Foreign key reference to Request.req_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| req_db_id | Foreign key reference to Request.req_db_id, Included in composite primary key | UINT NOT NULL |
| request_id | Foreign key reference to Request.request_id, Included in composite primary key | UINT NOT NULL |
| ev_asset_org_site | Foreign key reference to Asset_Event.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_asset_id | Foreign key reference to Asset_Event.asset_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Asset_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Asset_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Asset_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Asset_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|---|---|
| | req_db_site, req_db_id, request_id, ev_asset_org_site, ev_asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | request (req_db_site, req_db_id, request_id) | req_db_site, req_db_id, request_id |
| | asset_event (asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | ev_asset_org_site, ev_asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#134 sg_req_for_work

Description: Request for Work for Segment (Subset of Request entity)

| Attribute | Description | Size/Type |
|------------------|---|------------------------|
| req_db_site | Foreign key reference to Request.req_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| req_db_id | Foreign key reference to Request.req_db_id, Included in composite primary key | UINT NOT NULL |
| request_id | Foreign key reference to Request.request_id, Included in composite primary key | UINT NOT NULL |
| segment_site | Foreign key reference to Segment.segment_site | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment.segment_id | UINT NOT NULL |
| wm_type_db_site | Foreign key reference to Work_Manage_Type.wm_type_db_site | HEXSTRING(16) NOT NULL |
| wm_type_db_id | Foreign key reference to Work_Manage_Type.wm_type_db_id | UINT NOT NULL |
| wm_type_code | Foreign key reference to Work_Manage_Type.wm_type_code | UINT NOT NULL |
| task_db_site | Foreign key reference to Work_Task_Type.task_db_site | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to Work_Task_Type.task_db_id | UINT NOT NULL |
| task_type_code | Foreign key reference to Work_Task_Type.task_type_code | UINT NOT NULL |
| auto_approve | Request automatic generation of work order | STRING(1) |
| start_before_gmt | Request for action to begin before this time | DATETIME(19:29) |
| end_before_gmt | Request for action to end before this time | DATETIME(19:29) |
| start_after_gmt | Request for action to begin after this time | DATETIME(19:29) |
| end_after_gmt | Request for action to end after this time | DATETIME(19:29) |
| repeat_interval | Time interval to re-submit time-based actions | UINT |
| int_eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site (time interval) | HEXSTRING(16) |
| int_eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT |
| int_eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT |
| to_agent_site | Foreign key reference to Agent.org_agent_site (agent to receive the request for work) | HEXSTRING(16) |
| to_agent_id | Foreign key reference to | UINT |

| | | |
|--------------------|---|-----------------|
| | Agent.agent_id (agent to receive the request for work) | |
| sol_pack_db_site | Foreign key reference to Solution_Package.sol_pack_db_site (associated solution package) | HEXSTRING(16) |
| sol_pack_db_id | Foreign key reference to Solution_Package.sol_pack_db_id | UINT |
| sol_pack_id | Foreign key reference to Solution_Package.sol_pack_id | UINT |
| rec_segment_site | Foreign key reference to Sg_Recommendation.segment_site (associated segment recommendation) | HEXSTRING(16) |
| rec_segment_id | Foreign key reference to Sg_recommendation.segment_id | UINT |
| rec_gmt_recomm | Foreign key reference to Sg_Recommendation.gmt_recommen dation | DATETIME(19:29) |
| rec_by_agent_site | Foreign key reference to Sg_Recommendation.by_agent_site | HEXSTRING(16) |
| rec_by_agent_id | Foreign key reference to Sg_Recommendation.by_agent_id | UINT |
| work_req_db_site | Foreign key reference to Work_Request.work_req_db_site (associated work request) | HEXSTRING(16) |
| work_req_db_id | Foreign key reference to Work_Request.work_req_db_id | UINT |
| work_req_id | Foreign key reference to Work_Request.work_req_id | UINT |
| work_order_db_site | Foreign key reference to Work_Order.work_order_db_site (associated work order) | HEXSTRING(16) |
| work_order_db_id | Foreign key reference to Work_Order.work_order_db_id | UINT |
| work_order_id | Foreign key reference to Work_Order.work_order_id | UINT |
| name | Full user-defined name/description | STRING(0:254) |
| long_description | Long_description field | STRING(0:4000) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |

| | | |
|---------------------|--|--|
| | req_db_site, req_db_id, request_id | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | request (req_db_site, req_db_id, request_id) | req_db_site, req_db_id, request_id |
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | work_manage_type (wm_type_db_site, wm_type_db_id, wm_type_code) | wm_type_db_site, wm_type_db_id, wm_type_code |
| | work_task_type (task_db_site, task_db_id, task_type_code) | task_db_site, task_db_id, task_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | int_eu_db_site, int_eu_db_id, int_eu_type_code |
| | agent (org_agent_site, agent_id) | to_agent_site, to_agent_id |
| | solution_package (sol_pack_db_site, sol_pack_db_id, sol_pack_id) | sol_pack_db_site, sol_pack_db_id, sol_pack_id |
| | sg_recommendation (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id) | rec_segment_site, rec_segment_id, rec_gmt_recomm, rec_by_agent_site, rec_by_agent_id |
| | work_request (work_req_db_site, work_req_db_id, work_req_id) | work_req_db_site, work_req_db_id, work_req_id |
| | work_order (work_order_db_site, work_order_db_id, work_order_id) | work_order_db_site, work_order_db_id, work_order_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |
| <u>Check</u> | <u>Attribute</u> | <u>Value Range</u> |
| | auto_approve | 'Y','N' |
| | | |

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#135 as_req_for_work

Description: Request for Work for Asset (Subset of Request entity)

| Attribute | Description | Size/Type |
|------------------|---|------------------------|
| req_db_site | Foreign key reference to Request.req_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| req_db_id | Foreign key reference to Request.req_db_id, Included in composite primary key | UINT NOT NULL |
| request_id | Foreign key reference to Request.request_id, Included in composite primary key | UINT NOT NULL |
| asset_org_site | Foreign key reference to Asset.asset_org_site | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset.asset_id | UINT NOT NULL |
| wm_type_db_site | Foreign key reference to Work_Manage_Type.wm_type_db_site | HEXSTRING(16) NOT NULL |
| wm_type_db_id | Foreign key reference to Work_Manage_Type.wm_type_db_id | UINT NOT NULL |
| wm_type_code | Foreign key reference to Work_Manage_Type.wm_type_code | UINT NOT NULL |
| task_db_site | Foreign key reference to Work_Task_Type.task_db_site | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to Work_Task_Type.task_db_id | UINT NOT NULL |
| task_type_code | Foreign key reference to Work_Task_Type.task_type_code | UINT NOT NULL |
| auto_approve | Request automatic generation of work order | STRING(1) |
| start_before_gmt | Request for action to begin before this time | DATETIME(19:29) |
| end_before_gmt | Request for action to end before this time | DATETIME(19:29) |
| start_after_gmt | Request for action to begin after this time | DATETIME(19:29) |
| end_after_gmt | Request for action to end after this time | DATETIME(19:29) |
| repeat_interval | Time interval to re-submit time-based actions | UINT |
| int_eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site (time interval) | HEXSTRING(16) |
| int_eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT |
| int_eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT |
| to_agent_site | Foreign key reference to Agent.org_agent_site (agent to receive the request for work) | HEXSTRING(16) |
| to_agent_id | Foreign key reference to | UINT |

| | | |
|--------------------|---|-----------------|
| | Agent.agent_id | |
| sol_pack_db_site | Foreign key reference to Solution_Package.sol_pack_db_site (associated solution package) | HEXSTRING(16) |
| sol_pack_db_id | Foreign key reference to Solution_Package.sol_pack_db_id | UINT |
| sol_pack_id | Foreign key reference to Solution_Package.sol_pack_id | UINT |
| rec_asset_org_site | Foreign key reference to As_Recommendation.asset_org_site | HEXSTRING(16) |
| rec_asset_id | Foreign key reference to As_Recommendation.asset_id | UINT |
| rec_gmt_recomm | Foreign key reference to As_Recommendation.gmt_recommendation | DATETIME(19:29) |
| rec_by_agent_site | Foreign key reference to As_Recommendation.by_agent_site | HEXSTRING(16) |
| rec_by_agent_id | Foreign key reference to As_Recommendation.by_agent_id | UINT |
| work_req_db_site | Foreign key reference to Work_Request.work_req_db_site (associated work request) | HEXSTRING(16) |
| work_req_db_id | Foreign key reference to Work_Request.work_req_db_id | UINT |
| work_req_id | Foreign key reference to Work_Request.work_req_id | UINT |
| work_order_db_site | Foreign key reference to Work_Order.work_order_db_site (associated work order) | HEXSTRING(16) |
| work_order_db_id | Foreign key reference to Work_Order.work_order_db_id | UINT |
| work_order_id | Foreign key reference to Work_Order.work_order_id | UINT |
| name | Full user-defined name/description | STRING(0:254) |
| long_description | Long Description Field | STRING(0:4000) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | req_db_site, req_db_id, request_id | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|--|
| | request (req_db_site, req_db_id, request_id) | req_db_site, req_db_id, request_id |
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | work_manage_type (wm_type_db_site, wm_type_db_id, wm_type_code) | wm_type_db_site, wm_type_db_id, wm_type_code |
| | work_task_type (task_db_site, task_db_id, task_type_code) | task_db_site, task_db_id, task_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | int_eu_db_site, int_eu_db_id, int_eu_type_code |
| | agent (org_agent_site, agent_id) | to_agent_site, to_agent_id |
| | solution_package (sol_pack_db_site, sol_pack_db_id, sol_pack_id) | sol_pack_db_site, sol_pack_db_id, sol_pack_id |
| | as_recommendation (asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id) | rec_asset_site, rec_asset_id, rec_gmt_recomm, rec_by_agent_site, rec_by_agent_id |
| | work_request (work_req_db_site, work_req_db_id, work_req_id) | work_req_db_site, work_req_db_id, work_req_id |
| | work_order (work_order_db_site, work_order_db_id, work_order_id) | work_order_db_site, work_order_db_id, work_order_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| <u>Check</u> | <u>Attribute</u> | <u>Value Range</u> |
| | auto_approve | 'Y','N' |
| | | |

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#148 ol_req_for_work

Description: Request for Work for Ordered List/Route (Subset of Request entity)

| Attribute | Description | Size/Type |
|------------------|--|------------------------|
| req_db_site | Foreign key reference to Request.req_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| req_db_id | Foreign key reference to Request.req_db_id, Included in composite primary key | UINT NOT NULL |
| request_id | Foreign key reference to Request.request_id, Included in composite primary key | UINT NOT NULL |
| ord_list_db_site | Foreign key reference to Ordered_List.ord_list_db_site | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Ordered_List.ord_list_db_id | UINT NOT NULL |
| ord_list_id | Foreign key reference to Ordered_List.ord_list_id | UINT NOT NULL |
| wm_type_db_site | Foreign key reference to Work_Manage_Type.wm_type_db_site | HEXSTRING(16) NOT NULL |
| wm_type_db_id | Foreign key reference to Work_Manage_Type.wm_type_db_id | UINT NOT NULL |
| wm_type_code | Foreign key reference to Work_Manage_Type.wm_type_code | UINT NOT NULL |
| task_db_site | Foreign key reference to Work_Task_Type.task_db_site | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to Work_Task_Type.task_db_id | UINT NOT NULL |
| task_type_code | Foreign key reference to Work_Task_Type.task_type_code | UINT NOT NULL |
| auto_approve | Request automatic generation of work order | STRING(1) |
| start_before_gmt | Request for action to begin before this time | DATETIME(19:29) |
| end_before_gmt | Request for action to end before this time | DATETIME(19:29) |
| start_after_gmt | Request for action to begin after this time | DATETIME(19:29) |
| end_after_gmt | Request for action to end after this time | DATETIME(19:29) |
| repeat_interval | Time interval to re-submit time-based actions | UINT |
| int_eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site (time interval eng unit reference) | HEXSTRING(16) |
| int_eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT |
| int_eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT |
| to_agent_site | Foreign key reference to Agent.org_agent_site (agent to receive | HEXSTRING(16) |

| | | |
|--------------------|---|-----------------|
| | the request for work) | |
| to_agent_id | Foreign key reference to Agent.agent_id | UINT |
| sol_pack_db_site | Foreign key reference to Solution_Package.sol_pack_db_site (associated solution package) | HEXSTRING(16) |
| sol_pack_db_id | Foreign key reference to Solution_Package.sol_pack_db_id | UINT |
| sol_pack_id | Foreign key reference to Solution_Package.sol_pack_id | UINT |
| rec_ord_db_site | Foreign key reference to OI_Recommendation.ord_list_db_site (associated ordered list recommendation) | HEXSTRING(16) |
| rec_ord_db_id | Foreign key reference to OI_Recommendation.ord_list_db_id | UINT |
| rec_ord_list_id | Foreign key reference to OI_Recommendation.ord_list_id | UINT |
| rec_gmt_recomm | Foreign key reference to OI_Recommendation.gmt_recommendation | DATETIME(19:29) |
| rec_by_agent_site | Foreign key reference to OI_Recommendation.by_agent_site | HEXSTRING(16) |
| rec_by_agent_id | Foreign key reference to OI_Recommendation.by_agent_id | UINT |
| work_req_db_site | Foreign key reference to Work_Request.work_req_db_site | HEXSTRING(16) |
| work_req_db_id | Foreign key reference to Work_Request.work_req_db_id | UINT |
| work_req_id | Foreign key reference to Work_Request.work_req_id | UINT |
| work_order_db_site | Foreign key reference to Work_Order.work_order_db_site (associated work order) | HEXSTRING(16) |
| work_order_db_id | Foreign key reference to Work_Order.work_order_db_id | UINT |
| work_order_id | Foreign key reference to Work_Order.work_order_id | UINT |
| name | Full user-defined name/description | STRING(0:254) |
| long_description | Long_description field | STRING(0:4000) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |

| | | |
|---------------------|---|--|
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | req_db_site, req_db_id, request_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | request (req_db_site, req_db_id, request_id) | req_db_site, req_db_id, request_id |
| | ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id) | ord_list_db_site, ord_list_db_id, ord_list_id |
| | work_manage_type (wm_type_db_site, wm_type_db_id, wm_type_code) | wm_type_db_site, wm_type_db_id, wm_type_code |
| | work_task_type (task_db_site, task_db_id, task_type_code) | task_db_site, task_db_id, task_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | int_eu_db_site, int_eu_db_id, int_eu_type_code |
| | agent (org_agent_site, agent_id) | to_agent_site, to_agent_id |
| | solution_package (sol_pack_db_site, sol_pack_db_id, sol_pack_id) | sol_pack_db_site, sol_pack_db_id, sol_pack_id |
| | ol_recommendation (ord_list_db_site, ord_list_db_id, ord_list_id, gmt_recommendation, by_agent_site, by_agent_id) | rec_ord_db_site, rec_ord_db_id, rec_ord_list, rec_gmt_recomm, rec_by_agent_site, rec_by_agent_id |
| | work_request (work_req_db_site, work_req_db_id, work_req_id) | work_req_db_site, work_req_db_id, work_req_id |
| | work_order (work_order_db_site, work_order_db_id, work_order_id) | work_order_db_site, work_order_db_id, work_order_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| <u>Check</u> | <u>Attribute</u> | <u>Value Range</u> |
| | auto_approve | 'Y','N' |

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#136 work_request

Description: Work Request

| Attribute | Description | Size/Type |
|--------------------|--|------------------------|
| work_req_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_req_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| work_req_id | Included in composite primary key | UINT NOT NULL |
| work_order_id | Foreign key reference to Work_Order.work_order_id | UINT |
| work_order_db_id | Foreign key reference to Work_Order.work_order_db_id | UINT |
| work_order_db_site | Foreign key reference to Work_Order.work_order_db_site (association to work order) | HEXSTRING(16) |
| wm_type_db_site | Foreign key reference to Work_Manage_Type.wm_type_db_site | HEXSTRING(16) NOT NULL |
| wm_type_db_id | Foreign key reference to Work_Manage_Type.wm_type_db_id | UINT NOT NULL |
| wm_type_code | Foreign key reference to Work_Manage_Type.wm_type_type_code | UINT NOT NULL |
| task_db_site | Foreign key reference to Work_Task_Type.task_db_site | HEXSTRING(16) |
| task_db_id | Foreign key reference to Work_Task_Type.task_db_id | UINT |
| task_type_code | Foreign key reference to Work_Task_Type.task_type_code | UINT |
| gmt_created | | DATETIME(19:29) |
| loc_hr_delta | | SHORT |
| loc_min_delta | | USHORT |
| by_agent_site | Foreign key reference to Agent.org_agent_site (originator) | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| start_before_gmt | Request for action to begin before this time | DATETIME(19:29) |
| end_before_gmt | Request for action to end before this time | DATETIME(19:29) |
| start_after_gmt | Request for action to begin after this time | DATETIME(19:29) |
| end_after_gmt | Request for action to end after this time | DATETIME(19:29) |
| repeat_interval | Time interval to re-submit time-based actions | UINT |
| int_eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site (time | HEXSTRING(16) |

| | | |
|-------------------------|---|------------------------|
| | interval) | |
| int_eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT |
| int_eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT |
| from_sy_agent_site | Foreign key reference to Agent.org_agent_site (system the request generated from) | HEXSTRING(16) |
| from_sy_agent_id | Foreign key reference to Agent.agent_id | UINT |
| to_agent_site | Foreign key reference to Agent.org_agent_site (originator) | HEXSTRING(16) |
| to_agent_id | Foreign key reference to Agent.agent_id | UINT |
| priority_lev_db_site | Foreign key reference to Priority_Level_Type.priority_lev_db_site | HEXSTRING(16) |
| priority_lev_db_id | Foreign key reference to Priority_Level_Type.priority_lev_db_id | UINT |
| priority_lev_type_code | Foreign key reference to Priority_Level_Type.priority_lev_type_code | UINT |
| eng_study_entry_db_site | Foreign key reference to Eng_Study_Entry.eng_study_entry_db_site | HEXSTRING(16) |
| eng_study_entry_db_id | Foreign key reference to Eng_Study_Entry.eng_study_entry_db_id | UINT |
| eng_study_entry_id | Foreign key reference to Eng_Study_Entry.eng_study_entry_id | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| long_description | Long_description field | STRING(0:4000) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | work_req_db_site, work_req_db_id, work_req_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |

| | | |
|--|---|--|
| | site_database (db_site, db_id) | work_req_db_site, work_req_db_id |
| | work_manage_type (wm_type_db_site, wm_type_db_id, wm_type_code) | wm_type_db_site, wm_type_db_id, wm_type_code |
| | work_task_type (task_db_site, task_db_id, task_type_code) | task_db_site, task_db_id, task_type_code |
| | agent (org_agent_site, agent_id) | by_agent_site, by_agent_id |
| | eng_unit_type eu_db_site, eu_db_id, eu_type_code) | int_eu_db_site, int_eu_db_id, int_eu_type_code |
| | agent (org_agent_site, agent_id) | from_sy_agent_site, from_sy_agent_id |
| | agent (org_agent_site, agent_id) | to_agent_site, to_agent_id |
| | priority_level_type (priority_lev_db_site, priority_lev_db_id, priority_lev_type_code) | priority_lev_db_site, priority_lev_db_id, priority_lev_type_code |
| | eng_study_entry (eng_study_entry_db_site, eng_study_entry_db_id, eng_study_entry_id) | eng_study_entry_db_site, eng_study_entry_db_id, eng_study_entry_id |
| | work_order (work_order_db_site, work_order_db_id, work_order_id) | work_order_db_site, work_order_db_id, work_order_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#172 work_req_num_data

Description: Work Request Numeric Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| work_req_db_site | Foreign key reference to Work_Request.work_req_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_req_db_id | Foreign key reference to Work_Request.work_req_db_id, Included in composite primary key | UINT NOT NULL |
| work_req_id | Foreign key reference to Work_Request.work_req_id, Included in composite primary key | UINT NOT NULL |
| wn_db_site | Foreign key reference to Work_Num_Data_Type.wn_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| wn_db_id | Foreign key reference to Work_Num_Data_Type.wn_db_id, Included in composite primary key | UINT NOT NULL |
| wn_type_code | Foreign key reference to Work_Num_Data_Type.wn_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | work_req_db_site, work_req_db_id, work_req_id, wn_db_site, wn_db_id, wn_type_code | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|---|
| | work_request (work_req_db_site, work_req_db_id, work_req_id) | work_req_db_site, work_req_db_id, work_req_id |
| | work_num_data_type (wn_db_site, wn_db_id, wn_type_code) | wn_db_site, wn_db_id, wn_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#173 work_req_chr_data

Description: Work Request Character Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| work_req_db_site | Foreign key reference to Work_Request.work_req_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_req_db_id | Foreign key reference to Work_Request.work_req_db_id, Included in composite primary key | UINT NOT NULL |
| work_req_id | Foreign key reference to Work_Request.work_req_id, Included in composite primary key | UINT NOT NULL |
| wc_db_site | Foreign key reference to Work_Chr_Data_Type.wc_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| wc_db_id | Foreign key reference to Work_Chr_Data_Type.wc_db_id, Included in composite primary key | UINT NOT NULL |
| wc_type_code | Foreign key reference to Work_Chr_Data_Type.wc_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | work_req_db_site, work_req_db_id, work_req_id, wc_db_site, wc_db_id, wc_type_code | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|---|
| | work_request (work_req_db_site, work_req_db_id, work_req_id) | work_req_db_site, work_req_db_id, work_req_id |
| | work_chr_data_type (wc_db_site, wc_db_id, wc_type_code) | wc_db_site, wc_db_id, wc_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#584 work_req_blob_data

Description: Work Request Binary Data Attachments

| Attribute | Description | Size/Type |
|------------------|--|---------------------|
| work_req_db_site | Foreign key reference to Work_Request.work_req_db_site, Included in composite primary key | STRING(16) NOT NULL |
| work_req_db_id | Foreign key reference to Work_Request.work_req_db_id, Included in composite primary key | UINT NOT NULL |
| work_req_id | Foreign key reference to Work_Request.work_req_id, Included in composite primary key | UINT NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | STRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| blct_db_site | Foreign key reference to Blob_Content_Type.blct_db_site | STRING(16) NOT NULL |
| blct_db_id | Foreign key reference to Blob_Content_Type.blct_db_id | UINT NOT NULL |
| blc_type_code | Foreign key reference to Blob_Content_Type.blc_type_code | UINT NOT NULL |
| user_tag_id | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in associated_blob attribute. If data is present in associated_blob, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| associated_blob | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | STRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to | USHORT |

| | | |
|---------------------|---|---|
| | Row_Status_Type.rstat_type_cod which determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | work_req_db_site, work_req_db_id, work_req_id, bd_db_site, bd_db_id, bd_type_code, ordering_seq | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | work_request (work_req_db_site, work_req_db_id, work_req_id) | work_req_db_site, work_req_db_id, work_req_id |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | blob_content_type (blct_db_site, blct_db_id, blc_type_code) | blct_db_site, blct_db_id, blc_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |
| | | |

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#174 work_request_audit

Description: Work Request Audit

| Attribute | Description | Size/Type |
|--------------------|---|--------------------------|
| work_req_db_site | Foreign key reference to Work_Request.work_req_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_req_db_id | Foreign key reference to Work_Request.work_req_db_id, Included in composite primary key | UINT NOT NULL |
| work_req_id | Foreign key reference to Work_Request.work_req_id, Included in composite primary key | UINT NOT NULL |
| waudit_db_site | Foreign key reference to Work_Audit_Type.waudit_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| waudit_db_id | Foreign key reference to Work_Audit_Type.waudit_db_id, Included in composite primary key | UINT NOT NULL |
| waudit_type_code | Foreign key reference to Work_Audit_Type.waudit_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_audit_posted | Included in composite primary key | DATETIME(19:29) NOT NULL |
| loc_hr_delta | | SHORT |
| loc_min_delta | | USHORT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| long_description | Long_description field | STRING(0:4000) |
| by_agent_site | Foreign key reference to Agent.org_agent_site, (agent who posted audit record) | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| from_sy_agent_site | Foreign key reference to Agent.org_agent_site, (system audit record generated from) | HEXSTRING(16) |
| from_sy_agent_id | Foreign key reference to Agent.agent_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to | USHORT |

| | | |
|---------------------|--|--|
| | Row_Status_Type.rstat_type_cod which determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | work_req_db_site, work_req_db_id, work_req_id, waudit_db_site, waudit_db_id, waudit_type_code, gmt_audit_posted | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | work_request (work_req_db_site, work_req_db_id, work_req_id) | work_req_db_site, work_req_db_id, work_req_id |
| | work_audit_type (waudit_db_site, waudit_db_id, waudit_type_code) | waudit_db_site, waudit_db_id, waudit_type_code |
| | agent (org_agent_site, agent_id) | by_agent_site, by_agent_id |
| | agent (org_agent_site, agent_id) | from_sy_agent_site, from_sy_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#563 work_request_for_sg_prop_event

Description: Work Request For Segment Proposed Event

This entity will hold Work Requests associated with a segment proposed event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|---|
| work_req_db_site | Foreign key reference to Work_Request.work_req_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_req_db_id | Foreign key reference to Work_Request.work_req_db_id, Included in composite primary key | UINT NOT NULL |
| work_req_id | Foreign key reference to Work_Request.work_req_id, Included in composite primary key | UINT NOT NULL |
| sg_prop_db_site | Foreign key reference to Sg_Proposed_Event.sg_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_prop_db_id | Foreign key reference to Sg_Proposed_Event.sg_prop_db_id, Included in composite primary key | UINT NOT NULL |
| sg_prop_event_id | Foreign key reference to Sg_Proposed_Event.sg_prop_event_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | work_req_db_site, work_req_db_id, work_req_id, sg_prop_db_site, sg_prop_db_id, sg_prop_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | work_request (work_req_db_site, work_req_db_id, work_req_id) | work_req_db_site, work_req_db_id, work_req_id |

| | | |
|--|--|--|
| | sg_proposed_event (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id) | sg_prop_db_site, sg_prop_db_id, sg_prop_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#564 work_request_for_as_prop_event

Description: Work Request For Asset Proposed Event

This entity will hold Work Requests associated with a asset proposed event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|---|
| work_req_db_site | Foreign key reference to Work_Request.work_req_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_req_db_id | Foreign key reference to Work_Request.work_req_db_id, Included in composite primary key | UINT NOT NULL |
| work_req_id | Foreign key reference to Work_Request.work_req_id, Included in composite primary key | UINT NOT NULL |
| as_prop_db_site | Foreign key reference to As_Proposed_Event.as_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_prop_db_id | Foreign key reference to As_Proposed_Event.as_prop_db_id, Included in composite primary key | UINT NOT NULL |
| as_prop_event_id | Foreign key reference to As_Proposed_Event.as_prop_event_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | work_req_db_site, work_req_db_id, work_req_id, as_prop_db_site, as_prop_db_id, as_prop_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | work_request (work_req_db_site, work_req_db_id, work_req_id) | work_req_db_site, work_req_db_id, work_req_id |

| | | |
|--|--|--|
| | as_proposed_event (as_prop_db_site, as_prop_db_id, as_prop_event_id) | as_prop_db_site, as_prop_db_id, as_prop_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#567 work_request_for_sg_event

Description: Work Request For Segment Event

This entity will hold Work Requests associated with a segment event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|--------------------------|
| work_req_db_site | Foreign key reference to Work_Request.work_req_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_req_db_id | Foreign key reference to Work_Request.work_req_db_id, Included in composite primary key | UINT NOT NULL |
| work_req_id | Foreign key reference to Work_Request.work_req_id, Included in composite primary key | UINT NOT NULL |
| ev_segment_site | Foreign key reference to Segment_Event.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_segment_id | Foreign key reference to Segment_Event.segment_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Segment_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Segment_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Segment_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Segment_Event.gmt_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|---|--|
| | work_req_db_site, work_req_db_id, work_req_id, ev_segment_site, ev_segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | work_request (work_req_db_site, work_req_db_id, work_req_id) | work_req_db_site, work_req_db_id, work_req_id |
| | segment_event (segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | ev_segment_site, ev_segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#568 work_request_for_as_event

Description: Work Request For Asset Event

This entity will hold Work Requests associated with an asset event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-------------------|---|--------------------------|
| work_req_db_site | Foreign key reference to Work_Request.work_req_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_req_db_id | Foreign key reference to Work_Request.work_req_db_id, Included in composite primary key | UINT NOT NULL |
| work_req_id | Foreign key reference to Work_Request.work_req_id, Included in composite primary key | UINT NOT NULL |
| ev_asset_org_site | Foreign key reference to Asset_Event.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_asset_id | Foreign key reference to Asset_Event.asset_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Asset_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Asset_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Asset_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Asset_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|---|--|
| | work_req_db_site, work_req_db_id, work_req_id, ev_asset_org_site, ev_asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | work_request (work_req_db_site, work_req_db_id, work_req_id) | work_req_db_site, work_req_db_id, work_req_id |
| | asset_event (asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | ev_asset_org_site, ev_asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#186 work_req_sg_recomm

Description: Associated Segment Recommendations for a Work Request

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| work_req_db_site | Foreign key reference to Work_Request.work_req_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_req_db_id | Foreign key reference to Work_Request.work_req_db_id, Included in composite primary key | UINT NOT NULL |
| work_req_id | Foreign key reference to Work_Request.work_req_id, Included in composite primary key | UINT NOT NULL |
| segment_site | Foreign key reference to Sg_Recommendation.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Sg_Recommendation.segment_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to Sg_Recommendation.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Sg_Recommendation.by_agent_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Sg_Recommendation.by_agent_id, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | work_req_db_site, work_req_db_id, work_req_id, segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|--|
| | work_request (work_req_db_site, work_req_db_id, work_req_id) | work_req_db_site, work_req_db_id, work_req_id |
| | sg_recommendation (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id) | segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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197 work_req_as_recomm

Description: Associated Asset Recommendations for a Work Request

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| work_req_db_site | Foreign key reference to Work_Request.work_req_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_req_db_id | Foreign key reference to Work_Request.work_req_db_id, Included in composite primary key | UINT NOT NULL |
| work_req_id | Foreign key reference to Work_Request.work_req_id, Included in composite primary key | UINT NOT NULL |
| asset_org_site | Foreign key reference to As_Recommendation.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to As_Recommendation.asset_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to As_Recommendation.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to As_Recommendation.by_agent_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to As_Recommendation.by_agent_id, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | work_req_db_site, work_req_db_id, work_req_id, asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|--|
| | work_request (work_req_db_site, work_req_db_id, work_req_id) | work_req_db_site, work_req_db_id, work_req_id |
| | as_recommendation (asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id) | asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#139 work_order

Description: Work Order Entity

| Attribute | Description | Size/Type |
|--------------------|--|------------------------|
| work_order_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_order_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| work_order_id | Included in composite primary key | UINT NOT NULL |
| wm_type_db_site | Foreign key reference to Work_Manage_Type.wm_type_db_site | HEXSTRING(16) NOT NULL |
| wm_type_db_id | Foreign key reference to Work_Manage_Type.wm_type_db_id | UINT NOT NULL |
| wm_type_code | Foreign key reference to Work_Manage_Type.wm_type_code | UINT NOT NULL |
| task_db_site | Foreign key reference to Work_Task_Type.task_db_site | HEXSTRING(16) |
| task_db_id | Foreign key reference to Work_Task_Type.task_db_id | UINT |
| task_type_code | Foreign key reference to Work_Task_Type.task_type_code | UINT |
| gmt_created | | DATETIME(19:29) |
| loc_hr_delta | | SHORT |
| loc_min_delta | | USHORT |
| by_agent_site | Foreign key reference to Agent.org_agent_site (originator) | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| start_before_gmt | Request for action to begin before this time | DATETIME(19:29) |
| end_before_gmt | Request for action to end before this time | DATETIME(19:29) |
| start_after_gmt | Request for action to begin after this time | DATETIME(19:29) |
| end_after_gmt | Request for action to end after this time | DATETIME(19:29) |
| repeat_interval | Time interval to automatically have work re-submitted for time-based actions | UINT |
| int_eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site (time interval eng unit reference (hours, days, months, etc.)) | HEXSTRING(16) |
| int_eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT |
| int_eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT |
| from_sy_agent_site | Foreign key reference to Agent.org_agent_site (system generated from) | HEXSTRING(16) |
| from_sy_agent_id | Foreign key reference to Agent.agent_id | UINT |
| to_agent_site | Foreign key reference to Agent.org_agent_site | HEXSTRING(16) |
| to_agent_id | Foreign key reference to Agent.agent_id | UINT |

| | | |
|-------------------------|---|--|
| priority_lev_db_site | Foreign key reference to Priority_Level_Type.priority_lev_db_site | HEXSTRING(16) |
| priority_lev_db_id | Foreign key reference to Priority_Level_Type.priority_lev_db_id | UINT |
| priority_lev_type_code | Foreign key reference to Priority_Level_Type.priority_lev_type_code | UINT |
| eng_study_entry_db_site | Foreign key reference to Eng_Study_Entry.eng_study_entry_db_site | HEXSTRING(16) |
| eng_study_entry_db_id | Foreign key reference to Eng_Study_Entry.eng_study_entry_db_id | UINT |
| eng_study_entry_id | Foreign key reference to Eng_Study_Entry.eng_study_entry_db_id | UINT |
| sol_pack_db_site | Foreign key reference to Solution_Package.sol_pack_db_site | HEXSTRING(16) |
| sol_pack_db_id | Foreign key reference to Solution_Package.sol_pack_db_id | UINT |
| sol_pack_id | Foreign key reference to Solution_Package.sol_pack_id | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| long_description | Long_description field | STRING(0:4000) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | work_order_db_site, work_order_db_id, work_order_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | work_order_db_site, work_order_db_id |
| | work_manage_type (wm_type_db_site, wm_type_db_id, wm_type_code) | wm_type_db_site, wm_type_db_id, wm_type_code |
| | work_task_type (task_db_site, task_db_id, task_type_code) | task_db_site, task_db_id, task_type_code |
| | agent (org_agent_site, agent_id) | by_agent_site, by_agent_id |
| | eng_unit_type eu_db_site, eu_db_id, eu_type_code) | int_eu_db_site, int_eu_db_id, int_eu_type_code |

| | | |
|--|---|--|
| | agent (org_agent_site, agent_id) | from_sy_agent_site, from_sy_agent_id |
| | agent (org_agent_site, agent_id) | to_agent_site, to_agent_id |
| | priority_level_type (priority_lev_db_site, priority_lev_db_id, priority_lev_type_code) | priority_lev_db_site, priority_lev_db_id, priority_lev_type_code |
| | eng_study_entry (eng_study_entry_db_site, eng_study_entry_db_id, eng_study_entry_id) | eng_study_entry_db_site, eng_study_entry_db_id, eng_study_entry_id |
| | solution_package (sol_pack_db_site, sol_pack_db_id, sol_pack_id) | sol_pack_db_site, sol_pack_db_id, sol_pack_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#159 work_order_child

Description: Relationship of Master Parent Work Order to Follow-on Work Orders

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|---|
| work_order_db_site | Foreign key reference to Work_Order.work_order_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_order_db_id | Foreign key reference to Work_Order.work_order_db_id, Included in composite primary key | UINT NOT NULL |
| work_order_id | Foreign key reference to Work_Order.work_order_id, Included in composite primary key | UINT NOT NULL |
| child_wo_db_site | Foreign key reference to Work_Order.work_order_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| child_wo_db_id | Foreign key reference to Work_Order.work_order_db_id, Included in composite primary key | UINT NOT NULL |
| child_wo_id | Foreign key reference to Work_Order.work_order_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | work_order_db_site, work_order_db_id, work_order_id, child_wo_db_site, child_wo_db_id, child_wo_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | work_order (work_order_db_site, work_order_db_id, work_order_id) | work_order_db_site, work_order_db_id, work_order_id |

| | | |
|--|--|---|
| | work_order (work_order_db_site, work_order_db_id, work_order_id) | child_wo_db_site, child_wo_db_id, child_wo_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#175 work_order_num_data

Description: Work Order Numeric Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| work_order_db_site | Foreign key reference to Work_Order.work_order_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_order_db_id | Foreign key reference to Work_Order.work_order_db_id, Included in composite primary key | UINT NOT NULL |
| work_order_id | Foreign key reference to Work_Order.work_order_id, Included in composite primary key | UINT NOT NULL |
| wn_db_site | Foreign key reference to Work_Num_Data_Type.wn_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| wn_db_id | Foreign key reference to Work_Num_Data_Type.wn_db_id, Included in composite primary key | UINT NOT NULL |
| wn_type_code | Foreign key reference to Work_Num_Data_Type.wn_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | work_order_db_site, work_order_db_id, work_order_id, wn_db_site, wn_db_id, wn_type_code | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|---|
| | work_order (work_order_db_site, work_order_db_id, work_order_id) | work_order_db_site, work_order_db_id, work_order_id |
| | work_num_data_type (wn_db_site, wn_db_id, wn_type_code) | wn_db_site, wn_db_id, wn_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#176 work_order_chr_data

Description: Work Order Numeric Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| work_order_db_site | Foreign key reference to Work_Order.work_order_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_order_db_id | Foreign key reference to Work_Order.work_order_db_id, Included in composite primary key | UINT NOT NULL |
| work_order_id | Foreign key reference to Work_Order.work_order_id, Included in composite primary key | UINT NOT NULL |
| wc_db_site | Foreign key reference to Work_Chr_Data_Type.wc_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| wc_db_id | Foreign key reference to Work_Chr_Data_Type.wc_db_id, Included in composite primary key | UINT NOT NULL |
| wc_type_code | Foreign key reference to Work_Chr_Data_Type.wc_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | work_order_db_site, work_order_db_id, work_order_id, wc_db_site, wc_db_id, wc_type_code | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|---|
| | work_order (work_order_db_site, work_order_db_id, work_order_id) | work_order_db_site, work_order_db_id, work_order_id |
| | work_chr_data_type (wc_db_site, wc_db_id, wc_type_code) | wc_db_site, wc_db_id, wc_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#528 work_order_blob_data

Description: Work Order Binary Data Attachments

| Attribute | Description | Size/Type |
|--------------------|--|------------------------|
| work_order_db_site | Foreign key reference to Work_Order.work_order_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_order_db_id | Foreign key reference to Work_Order.work_order_db_id, Included in composite primary key | UINT NOT NULL |
| work_order_id | Foreign key reference to Work_Order.work_order_id, Included in composite primary key | UINT NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| blct_db_site | Foreign key reference to Blob_Content_Type.blct_db_site | HEXSTRING(16) NOT NULL |
| blct_db_id | Foreign key reference to Blob_Content_Type.blct_db_id | UINT NOT NULL |
| blc_type_code | Foreign key reference to Blob_Content_Type.blc_type_code | UINT NOT NULL |
| user_tag_id | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in associated_blob attribute. If data is present in associated_blob, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| associated_blob | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to | USHORT |

| | | |
|---------------------|--|---|
| | Row_Status_Type.rstat_type_cod which determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | work_order_db_site, work_order_db_id, work_order_id, bd_db_site, bd_db_id, bd_type_code, ordering_seq | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | work_order (work_order_db_site, work_order_db_id, work_order_id) | work_order_db_site, work_order_db_id, work_order_id |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | blob_content_type (blct_db_site, blct_db_id, blc_type_code) | blct_db_site, blct_db_id, blc_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |
| | | |

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#177 work_order_audit

Description: Work Order Audit

| Attribute | Description | Size/Type |
|--------------------|---|--------------------------|
| work_order_db_site | Foreign key reference to Work_Order.work_order_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_order_db_id | Foreign key reference to Work_Order.work_order_db_id, Included in composite primary key | UINT NOT NULL |
| work_order_id | Foreign key reference to Work_Order.work_order_id, Included in composite primary key | UINT NOT NULL |
| waudit_db_site | Foreign key reference to Work_Audit_Type.waudit_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| waudit_db_id | Foreign key reference to Work_Audit_Type.waudit_db_id, Included in composite primary key | UINT NOT NULL |
| waudit_type_code | Foreign key reference to Work_Audit_Type.waudit_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_audit_posted | Included in composite primary key | DATETIME(19:29) NOT NULL |
| loc_hr_delta | | SHORT |
| loc_min_delta | | USHORT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| long_description | Long_description field | STRING(0:4000) |
| by_agent_site | Foreign key reference to Agent.org_agent_site (agent who posted audit record) | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| from_sy_agent_site | Foreign key reference to Agent.org_agent_site (system audit record generated from) | HEXSTRING(16) |
| from_sy_agent_id | Foreign key reference to Agent.agent_id | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to | USHORT |

| | | |
|---------------------|--|---|
| | Row_Status_Type.rstat_type_cod which determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | work_order_db_site, work_order_db_id, work_order_id, waudit_db_site, waudit_db_id, waudit_type_code, gmt_audit_posted | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | work_order (work_order_db_site, work_order_db_id, work_order_id) | work_order_db_site, work_order_db_id, work_order_id |
| | work_audit_type (waudit_db_site, waudit_db_id, waudit_type_code) | waudit_db_site, waudit_db_id, waudit_type_code |
| | agent (org_agent_site, agent_id) | by_agent_site, by_agent_id |
| | agent (org_agent_site, agent_id) | from_sy_agent_site, from_sy_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#565 work_order_for_sg_prop_event

Description: Work Order For Segment Proposed Event

This entity will hold Work Orders associated with a segment proposed event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|---|
| work_order_db_site | Foreign key reference to Work_Order.work_order_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_order_db_id | Foreign key reference to Work_Order.work_order_db_id, Included in composite primary key | UINT NOT NULL |
| work_order_id | Foreign key reference to Work_Order.work_order_id, Included in composite primary key | UINT NOT NULL |
| sg_prop_db_site | Foreign key reference to Sg_Proposed_Event.sg_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_prop_db_id | Foreign key reference to Sg_Proposed_Event.sg_prop_db_id, Included in composite primary key | UINT NOT NULL |
| sg_prop_event_id | Foreign key reference to Sg_Proposed_Event.sg_prop_event_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | work_order_db_site, work_order_db_id, work_order_id, sg_prop_db_site, sg_prop_db_id, sg_prop_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | work_order (work_order_db_site, work_order_db_id, work_order_id) | work_order_db_site, work_order_db_id, work_order_id |

| | | |
|--|--|--|
| | sg_proposed_event (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id) | sg_prop_db_site, sg_prop_db_id, sg_prop_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#566 work_order_for_as_prop_event

Description: Work Order For Asset Proposed Event

This entity will hold Work Orders associated with a asset proposed event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|---|
| work_order_db_site | Foreign key reference to Work_Order.work_order_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_order_db_id | Foreign key reference to Work_Order.work_order_db_id, Included in composite primary key | UINT NOT NULL |
| work_order_id | Foreign key reference to Work_Order.work_order_id, Included in composite primary key | UINT NOT NULL |
| as_prop_db_site | Foreign key reference to As_Proposed_Event.as_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_prop_db_id | Foreign key reference to As_Proposed_Event.as_prop_db_id, Included in composite primary key | UINT NOT NULL |
| as_prop_event_id | Foreign key reference to As_Proposed_Event.as_prop_event_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | work_order_db_site, work_order_db_id, work_order_id, as_prop_db_site, as_prop_db_id, as_prop_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | work_order (work_order_db_site, work_order_db_id, work_order_id) | work_order_db_site, work_order_db_id, work_order_id |

| | | |
|--|--|--|
| | as_proposed_event (as_prop_db_site, as_prop_db_id, as_prop_event_id) | as_prop_db_site, as_prop_db_id, as_prop_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#569 work_order_for_sg_event

Description: Work Order For Segment Event

This entity will hold Work Requests associated with a segment event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| work_order_db_site | Foreign key reference to Work_Order.work_order_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_order_db_id | Foreign key reference to Work_Order.work_order_db_id, Included in composite primary key | UINT NOT NULL |
| work_order_id | Foreign key reference to Work_Order.work_order_id, Included in composite primary key | UINT NOT NULL |
| ev_segment_site | Foreign key reference to Segment_Event.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_segment_id | Foreign key reference to Segment_Event.segment_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Segment_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Segment_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Segment_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Segment_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|---|--|
| | work_order_db_site, work_order_db_id, work_order_id, ev_segment_site, ev_segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | work_order (work_order_db_site, work_order_db_id, work_order_id) | work_order_db_site, work_order_db_id, work_order_id |
| | segment_event (segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | ev_segment_site, ev_segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#570 work_order_for_as_event

Description: Work Order For Asset Event

This entity will hold Work Requests associated with an asset event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| work_order_db_site | Foreign key reference to Work_Order.work_order_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_order_db_id | Foreign key reference to Work_Order.work_order_db_id, Included in composite primary key | UINT NOT NULL |
| work_order_id | Foreign key reference to Work_Order.work_order_id, Included in composite primary key | UINT NOT NULL |
| ev_asset_org_site | Foreign key reference to Asset_Event.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_asset_id | Foreign key reference to Asset_Event.asset_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Asset_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Asset_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Asset_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Asset_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|---|--|
| | work_order_db_site, work_order_db_id, work_order_id, ev_asset_org_site, ev_asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | work_order (work_order_db_site, work_order_db_id, work_order_id) | work_order_db_site, work_order_db_id, work_order_id |
| | asset_event (asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | ev_asset_org_site, ev_asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#503 work_step

Description: Work Step

| Attribute | Description | Size/Type |
|-----------------------|---|------------------------|
| work_step_db_site | Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_step_db_id | Included in composite primary key | UINT NOT NULL |
| work_step_id | Included in composite primary key | UINT NOT NULL |
| work_order_db_site | Foreign key reference to Work_Order.work_order_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_order_db_id | Foreign key reference to Work_Order.work_order_db_id, Included in composite primary key | UINT NOT NULL |
| work_order_id | Foreign key reference to Work_Order.work_order_id, Included in composite primary key | UINT NOT NULL |
| work_step_seq | | UINT |
| wm_type_db_site | Foreign key reference to Work_Manage_Type.wm_type_db_site | HEXSTRING(16) |
| wm_type_db_id | Foreign key reference to Work_Manage_Type.wm_type_db_id | UINT |
| wm_type_code | Foreign key reference to Work_Manage_Type.wm_type_type_code | UINT |
| task_db_site | Foreign key reference to Work_Task_Type.task_db_site | HEXSTRING(16) |
| task_db_id | Foreign key reference to Work_Task_Type.task_db_id | UINT |
| task_type_code | Foreign key reference to Work_Task_Type.task_type_code | UINT |
| gmt_created | | DATETIME(19:29) |
| loc_hr_delta | | SHORT |
| loc_min_delta | | USHORT |
| by_agent_site | Foreign key reference to Agent.by_agent_site (originator) | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| sol_pack_step_db_site | Foreign key reference to Sol_Package_Step.sol_pack_step_db_site | HEXSTRING(16) |
| sol_pack_step_db_id | Foreign key reference to Sol_Package_Step.sol_pack_step_db_id | UINT |
| sol_pack_step_id | Foreign key reference to Sol_Package_Step.sol_pack_step_id | UINT |
| start_before_gmt | Request for action to begin before this time | DATETIME(19:29) |
| end_before_gmt | Request for action to end before this time | DATETIME(19:29) |
| start_after_gmt | Request for action to begin after this time | DATETIME(19:29) |
| end_after_gmt | Request for action to end after this time | DATETIME(19:29) |
| from_sy_agent_site | Foreign key reference to Agent.by_agent_site (system generated from) | HEXSTRING(16) |
| from_sy_agent_id | Foreign key reference to Agent.agent_id | UINT |

| | | |
|------------------------|---|--|
| to_agent_site | Foreign key reference to Agent.by_agent_site | HEXSTRING(16) |
| to_agent_id | Foreign key reference to Agent.agent_id | UINT |
| priority_lev_db_site | Foreign key reference to Priority_Level_Type.priority_lev_db_site | HEXSTRING(16) |
| priority_lev_db_id | Foreign key reference to Priority_Level_Type.priority_lev_db_id | UINT |
| priority_lev_type_code | Foreign key reference to Priority_Level_Type.priority_lev_type_code | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| long_description | Long_description field | STRING(0:4000) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | work_step_db_site, work_step_db_id, work_step_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | work_order (work_order_db_site, work_order_db_id, work_order_id) | work_order_db_site, work_order_db_id, work_order_id |
| | work_manage_type (wm_type_db_site, wm_type_db_id, wm_type_code) | wm_type_db_site, wm_type_db_id, wm_type_code |
| | work_task_type (task_db_site, task_db_id, task_type_code) | task_db_site, task_db_id, task_type_code |
| | agent (org_agent_site, agent_id) | by_agent_site, by_agent_id |
| | sol_package_step (sol_pack_step_db_site, sol_pack_step_db_id, sol_pack_step_id) | sol_pack_step_db_site, sol_pack_step_db_id, sol_pack_step_id |
| | agent (org_agent_site, agent_id) | from_sy_agent_site, from_sy_agent_id |
| | agent (org_agent_site, agent_id) | to_agent_site, to_agent_id |
| | priority_level_type (priority_lev_db_site, priority_lev_db_id, priority_lev_type_code) | priority_lev_db_site, priority_lev_db_id, priority_lev_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#518 work_step_num_data

Description: Work Step Numeric Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| work_step_db_site | Foreign key reference to Work_Step.work_step_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_step_db_id | Foreign key reference to Work_Step.work_step_db_id, Included in composite primary key | UINT NOT NULL |
| work_step_id | Foreign key reference to Work_Step.work_step_id, Included in composite primary key | UINT NOT NULL |
| wn_db_site | Foreign key reference to Work_Num_Data_Type.wn_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| wn_db_id | Foreign key reference to Work_Num_Data_Type.wn_db_id, Included in composite primary key | UINT NOT NULL |
| wn_type_code | Foreign key reference to Work_Num_Data_Type.wn_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | work_step_db_site, work_step_db_id, work_step_id, wn_db_site, wn_db_id, wn_type_code | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|--|
| | work_step (work_step_db_site, work_step_db_id, work_step_id) | work_step_db_site, work_step_db_id, work_step_id |
| | work_num_data_type (wn_db_site, wn_db_id, wn_type_code) | wn_db_site, wn_db_id, wn_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#522 work_step_chr_data

Description: Work Step Character Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| work_step_db_site | Foreign key reference to Work_Step.work_step_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_step_db_id | Foreign key reference to Work_Step.work_step_db_id, Included in composite primary key | UINT NOT NULL |
| work_step_id | Foreign key reference to Work_Step.work_step_id, Included in composite primary key | UINT NOT NULL |
| wc_db_site | Foreign key reference to Work_Chr_Dat_Type.wc_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| wc_db_id | Foreign key reference to Work_Chr_Dat_Type.wc_db_id, Included in composite primary key | UINT NOT NULL |
| wc_type_code | Foreign key reference to Work_Chr_Dat_Type.wc_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | work_step_db_site, work_step_db_id, work_step_id, wc_db_site, wc_db_id, wc_type_code | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|--|
| | work_step (work_step_db_site, work_step_db_id, work_step_id) | work_step_db_site, work_step_db_id, work_step_id |
| | work_chr_dat_type (wc_db_site, wc_db_id, wc_type_code) | wc_db_site, wc_db_id, wc_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#529 work_step_blob_data

Description: Work Step Binary Data Entity

| Attribute | Description | Size/Type |
|-------------------|--|------------------------|
| work_step_db_site | Foreign key reference to Work_Step.work_step_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_step_db_id | Foreign key reference to Work_Step.work_step_db_id, Included in composite primary key | UINT NOT NULL |
| work_step_id | Foreign key reference to Work_Step.work_step_id, Included in composite primary key | UINT NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| bd_ordering_seq | Included in composite primary key | UINT NOT NULL |
| blct_db_site | Foreign key reference to Blob_Content_Type.blct_db_site | HEXSTRING(16) NOT NULL |
| blct_db_id | Foreign key reference to Blob_Content_Type.blct_db_id | UINT NOT NULL |
| bkc_type_code | Foreign key reference to Blob_Content_Type.bkc_type_code | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|---|--|
| | work_step_db_site, work_step_db_id, work_step_id, bd_db_site, bd_db_id, bd_type_code, bd_ordering_seq | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | work_step (work_step_db_site, work_step_db_id, work_step_id) | work_step_db_site, work_step_db_id, work_step_id |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | blob_content_type (blct_db_site, blct_db_id, blc_type_code) | blct_db_site, blct_db_id, blc_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#509 work_step_ord_list_needed

Description: Ordered List (Associated Bill of Materiel, etc.) Needed for a Work Step

This entity will hold all associated ordered lists (Bill of Material, Bill of Labour, etc.) needed by a Work_Step.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|------------------------|
| work_step_db_site | Foreign key reference to Work_Step.work_step_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_step_db_id | Foreign key reference to Work_Step.work_step_db_id, Included in composite primary key | UINT NOT NULL |
| work_step_id | Foreign key reference to Work_Step.work_step_id, Included in composite primary key | UINT NOT NULL |
| ord_list_db_site | Foreign key reference to Ordered_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Ordered_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Ordered_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | work_step_db_site, work_step_db_id, work_step_id, ord_list_db_site, ord_list_db_id, ord_list_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | work_step (work_step_db_site, | work_step_db_site, |

| | | |
|--|---|--|
| | work_step_db_id, work_step_id) | work_step_db_id, work_step_id |
| | ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id) | ord_list_db_site, ord_list_db_id, ord_list_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |

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#506 work_step_audit

Description: Work Step Audit

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| work_step_db_site | Foreign key reference to Work_Step.work_step_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_step_db_id | Foreign key reference to Work_Step.work_step_db_id, Included in composite primary key | UINT NOT NULL |
| work_step_id | Foreign key reference to Work_Step.work_step_id, Included in composite primary key | UINT NOT NULL |
| waudit_db_site | Foreign key reference to Work_Audit_Type.waudit_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| waudit_db_id | Foreign key reference to Work_Audit_Type.waudit_db_id, Included in composite primary key | UINT NOT NULL |
| waudit_type_code | Foreign key reference to Work_Audit_Type.waudit_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_audit_posted | Included in composite primary key | DATETIME(19:29) NOT NULL |
| loc_hr_delta | | SHORT |
| loc_min_delta | | USHORT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| long_description | Long_description field | STRING(0:4000) |
| by_agent_site | Agent who posted audit record | HEXSTRING(16) |
| by_agent_id | | UINT |
| from_sy_agent_site | System audit record generated from | HEXSTRING(16) |
| from_sy_agent_id | | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |

| | | |
|---------------------|---|--|
| | work_step_db_site, work_step_db_id, work_step_id, waudit_db_site, waudit_db_id, waudit_type_code, gmt_audit_posted | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | work_step (work_step_db_site, work_step_db_id, work_step_id) | work_step_db_site, work_step_db_id, work_step_id |
| | work_audit_type (waudit_db_site, waudit_db_id, waudit_type_code) | waudit_db_site, waudit_db_id, waudit_type_code |
| | agent (org_agent_site, agent_id) | by_agent_site, by_agent_id |
| | agent (org_agent_site, agent_id) | from_sy_agent_site, from_sy_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#505 work_step_sg_recomm

Description: Associated Segment Recommendations for a Work Step

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|--|--------------------------|
| work_step_db_site | Foreign key reference to Work_Step.work_step_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_step_db_id | Foreign key reference to Work_Step.work_step_db_id, Included in composite primary key | UINT NOT NULL |
| work_step_id | Foreign key reference to Work_Step.work_step_id, Included in composite primary key | UINT NOT NULL |
| segment_site | Foreign key reference to Sg_Recommendation.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Sg_Recommendation.segment_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to Sg_Recommendation.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to Sg_Recommendation.by_agent_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to Sg_Recommendation.by_agent_id, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | work_step_db_site, work_step_db_id, work_step_id, segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|--|
| | work_step (work_step_db_site, work_step_db_id, work_step_id) | work_step_db_site, work_step_db_id, work_step_id |
| | sg_recommendation (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id) | segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#504 work_step_as_recomm

Description: Associated Asset Recommendations for a Work Step

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|--|--------------------------|
| work_step_db_site | Foreign key reference to Work_Step.work_step_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| work_step_db_id | Foreign key reference to Work_Step.work_step_db_id, Included in composite primary key | UINT NOT NULL |
| work_step_id | Foreign key reference to Work_Step.work_step_id, Included in composite primary key | UINT NOT NULL |
| asset_org_site | Foreign key reference to As_Recommendation.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to As_Recommendation.asset_id, Included in composite primary key | UINT NOT NULL |
| gmt_recommendation | Foreign key reference to As_Recommendation.gmt_recommendation, Included in composite primary key | DATETIME(19:29) NOT NULL |
| by_agent_site | Foreign key reference to As_Recommendation.by_agent_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| by_agent_id | Foreign key reference to As_Recommendation.by_agent_id, Included in composite primary key | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | work_step_db_site, work_step_db_id, work_step_id, asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|--|--|
| | work_step (work_step_db_site, work_step_db_id, work_step_id) | work_step_db_site, work_step_db_id, work_step_id |
| | as_recommendation (asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id) | asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#144 sg_completed_work

Description: Completed Work Tasks For Segments

| Attribute | Description | Size/Type |
|------------------------|---|--------------------------|
| segment_site | Foreign key reference to Segment.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment.segment_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to Work_Task_Type.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to Work_Task_Type.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to Work_Task_Type.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Actual completion time, Included in composite primary key | DATETIME(19:29) NOT NULL |
| cp_loc_hr_delta | Local completion time hours from GMT | SHORT |
| cp_loc_min_delta | Local completion time minutes from GMT | USHORT |
| gmt_started | Actual start time | DATETIME(19:29) |
| st_loc_hr_delta | Local start time hours from GMT | SHORT |
| st_loc_min_delta | Local start time minutes from GMT | USHORT |
| by_agent_site | Foreign key reference to Agent.by_agent_site (agent accomplishing the work) | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| from_sy_agent_site | Foreign key reference to Agent.by_agent_site (system generated from) | HEXSTRING(16) |
| from_sy_agent_id | Foreign key reference to Agent.agent_id | UINT |
| priority_lev_db_site | Foreign key reference to Priority_Level_Type.priority_lev_db_site | HEXSTRING(16) |
| priority_lev_db_id | Foreign key reference to Priority_Level_Type.priority_lev_db_id | UINT |
| priority_lev_type_code | Foreign key reference to Priority_Level_Type.priority_lev_type_code | UINT |
| work_order_db_site | Foreign key reference to Work_Order.work_order_db_site | HEXSTRING(16) |
| work_order_db_id | Foreign key reference to Work_Order.work_order_db_id | UINT |
| work_order_id | Foreign key reference to Work_Order.work_order_id | UINT |
| work_req_db_site | Foreign key reference to Work_Request.work_req_db_site | HEXSTRING(16) |
| work_req_db_id | Foreign key reference to Work_Request.work_req_db_id | UINT |
| work_req_id | Foreign key reference to | UINT |

| | | |
|---------------------|---|--|
| | Work_Request.work_req_id | |
| work_step_db_site | Foreign key reference to Work_Step.work_step_db_site | HEXSTRING(16) |
| work_step_db_id | Foreign key reference to Work_Step.work_step_db_id | UINT |
| work_step_id | Foreign key reference to Work_Step.work_step_id | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| long_description | Long_description field | STRING(0:4000) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| work_ord_step_seq | Obsolete attribute | UINT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | work_task_type (task_db_site, task_db_id, task_type_code) | task_db_site, task_db_id, task_type_code |
| | agent (org_agent_site, agent_id) | by_agent_site, by_agent_id |
| | agent (org_agent_site, agent_id) | from_sy_agent_site, from_sy_agent_id |
| | priority_level_type (priority_lev_db_site, priority_lev_db_id, priority_lev_type_code) | priority_lev_db_site, priority_lev_db_id, priority_lev_type_code |
| | work_order (work_order_db_site, work_order_db_id, work_order_id) | work_order_db_site, work_order_db_id, work_order_id |
| | work_request (work_req_db_site, work_req_db_id, work_req_id) | work_req_db_site, work_req_db_id, work_req_id |
| | work_step (work_step_db_site, work_step_db_id, work_step_id) | work_step_db_site, work_step_db_id, work_step_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

#145 as_completed_work

Description: Completed Work Tasks For Assets

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------------|---|--------------------------|
| asset_org_site | Foreign key reference to Asset.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset.asset_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to Work_Task_Type.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to Work_Task_Type.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to Work_Task_Type.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Actual completion time, Included in composite primary key | DATETIME(19:29) NOT NULL |
| cp_loc_hr_delta | Local completion time hours from GMT | SHORT |
| cp_loc_min_delta | Local completion time minutes from GMT | USHORT |
| gmt_started | Actual start time | DATETIME(19:29) |
| st_loc_hr_delta | Local start time hours from GMT | SHORT |
| st_loc_min_delta | Local start time minutes from GMT | USHORT |
| by_agent_site | Foreign key reference to Agent.by_agent_site (agent accomplishing the work) | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.by_agent_id | UINT |
| from_sy_agent_site | Foreign key reference to Agent.by_agent_site (system generated from) | HEXSTRING(16) |
| from_sy_agent_id | Foreign key reference to Agent.by_agent_id | UINT |
| priority_lev_db_site | Foreign key reference to Priority_Level_Type.priority_lev_db_site | HEXSTRING(16) |
| priority_lev_db_id | Foreign key reference to Priority_Level_Type.priority_lev_db_id | UINT |
| priority_lev_type_code | Foreign key reference to Priority_Level_Type.priority_lev_type_code | UINT |
| work_order_db_site | Foreign key reference to Work_Order.work_order_db_site | HEXSTRING(16) |
| work_order_db_id | Foreign key reference to Work_Order.work_order_db_id | UINT |
| work_order_id | Foreign key reference to Work_Order.work_order_id | UINT |
| work_req_db_site | Foreign key reference to Work_Request.work_req_db_site | HEXSTRING(16) |
| work_req_db_id | Foreign key reference to Work_Request.work_req_db_id | UINT |
| work_req_id | Foreign key reference to Work_Request.work_req_id | UINT |

| | | |
|--------------------------|---|--|
| work_step_db_site | Foreign key reference to Work_Step.work_step_db_site | HEXSTRING(16) |
| work_step_db_id | Foreign key reference to Work_Step.work_step_db_id | UINT |
| work_step_id | Foreign key reference to Work_Step.work_step_id | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| long_description | Long_description field | STRING(0:4000) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| work_ord_step_seq | Obsolete attribute | UINT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | work_task_type (task_db_site, task_db_id, task_type_code) | task_db_site, task_db_id, task_type_code |
| | agent (org_agent_site, agent_id) | by_agent_site, by_agent_id |
| | agent (org_agent_site, agent_id) | from_sy_agent_site, from_sy_agent_id |
| | priority_level_type (priority_lev_db_site, priority_lev_db_id, priority_lev_type_code) | priority_lev_db_site, priority_lev_db_id, priority_lev_type_code |
| | work_order (work_order_db_site, work_order_db_id, work_order_id) | work_order_db_site, work_order_db_id, work_order_id |
| | work_request (work_req_db_site, work_req_db_id, work_req_id) | work_req_db_site, work_req_db_id, work_req_id |
| | work_step (work_step_db_site, work_step_db_id, work_step_id) | work_step_db_site, work_step_db_id, work_step_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

#187 ol_completed_work

Description: Completed Work Tasks For Ordered Lists

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------------|---|--------------------------|
| ord_list_db_site | Foreign key reference to Ordered_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Ordered_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Ordered_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to Work_Task_Type.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to Work_Task_Type.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to Work_Task_Type.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Actual completion time, Included in composite primary key | DATETIME(19:29) NOT NULL |
| cp_loc_hr_delta | Local completion time hours from GMT | SHORT |
| cp_loc_min_delta | Local completion time minutes from GMT | USHORT |
| gmt_started | Actual start time | DATETIME(19:29) |
| st_loc_hr_delta | Local start time hours from GMT | SHORT |
| st_loc_min_delta | Local start time minutes from GMT | USHORT |
| by_agent_site | Foreign key reference to Agent.org_agent_site (agent accomplishing the work) | HEXSTRING(16) |
| by_agent_id | Foreign key reference to Agent.agent_id | UINT |
| from_sy_agent_site | Foreign key reference to Agent.org_agent_site (system generated from) | HEXSTRING(16) |
| from_sy_agent_id | Foreign key reference to Agent.agent_id | UINT |
| priority_lev_db_site | Foreign key reference to Priority_Level_Type.priority_lev_db_site | HEXSTRING(16) |
| priority_lev_db_id | Foreign key reference to Priority_Level_Type.priority_lev_db_id | UINT |
| priority_lev_type_code | Foreign key reference to Priority_Level_Type.priority_lev_type_code | UINT |
| work_order_db_site | Foreign key reference to Work_Order.work_order_db_site | HEXSTRING(16) |
| work_order_db_id | Foreign key reference to Work_Order.work_order_db_id | UINT |
| work_order_id | Foreign key reference to Work_Order.work_order_id | UINT |
| work_req_db_site | Foreign key reference to Work_Request.work_req_db_site | HEXSTRING(16) |
| work_req_db_id | Foreign key reference to Work_Request.work_req_db_id | UINT |
| work_req_id | Foreign key reference to Work_Request.work_req_id | UINT |
| work_step_db_site | Foreign key reference to | HEXSTRING(16) |

| | | |
|--------------------------|---|--|
| | Work_Step.work_step_db_site | |
| work_step_db_id | Foreign key reference to Work_Step.work_step_db_id | UINT |
| work_step_id | Foreign key reference to Work_Step.work_step_id | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| long_description | Long_description field | STRING(0:4000) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| work_ord_step_seq | Obsolete attribute | UINT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id) | ord_list_db_site, ord_list_db_id, ord_list_id |
| | work_task_type (task_db_site, task_db_id, task_type_code) | task_db_site, task_db_id, task_type_code |
| | agent (org_agent_site, agent_id) | by_agent_site, by_agent_id |
| | agent (org_agent_site, agent_id) | from_sy_agent_site, from_sy_agent_id |
| | priority_level_type (priority_lev_db_site, priority_lev_db_id, priority_lev_type_code) | priority_lev_db_site, priority_lev_db_id, priority_lev_type_code |
| | work_order (work_order_db_site, work_order_db_id, work_order_id) | work_order_db_site, work_order_db_id, work_order_id |
| | work_request (work_req_db_site, work_req_db_id, work_req_id) | work_req_db_site, work_req_db_id, work_req_id |
| | work_step (work_step_db_site, work_step_db_id, work_step_id) | work_step_db_site, work_step_db_id, work_step_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

#460 sg_completed_work_asset_util

Description: Segment Completed Work Associated Asset Utilized (Parts Installed/Removed)

This entity will hold the Parts installed/removed for segment completed work entries.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|--------------------------|
| segment_site | Foreign key reference to Sg_Completed_Work.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Sg_Completed_Work.segment_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to Sg_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to Sg_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to Sg_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to Sg_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| used_asset_org_site | Foreign key reference to Asset_On_Segment.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| used_asset_id | Foreign key reference to Asset_On_Segment.asset_id, Included in composite primary key | UINT NOT NULL |
| on_segment_site | Foreign key reference to Asset_On_Segment.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| on_segment_id | Foreign key reference to Asset_On_Segment.segment_id, Included in composite primary key | UINT NOT NULL |
| gmt_installed | Foreign key reference to Asset_On_Segment.gmt_installed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies | UINT |

| | | |
|---------------------|--|---|
| | the database creating/updating/soft deleting this entry | |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed, used_asset_org_site, used_asset_id, on_segment_site, on_segment_id, gmt_installed | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_completed_work (segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed) | segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed |
| | asset_on_segment (asset_org_site, asset_id, segment_site, segment_id, gmt_installed) | used_asset_org_site, used_asset_id, on_segment_site, on_segment_id, gmt_installed |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#456 sg_completed_work_num_data

Description: Segment Completed Work Numeric Data

| Attribute | Description | Size/Type |
|------------------|---|--------------------------|
| segment_site | Foreign key reference to Sg_Completed_Work.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Sg_Completed_Work.segment_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to Sg_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to Sg_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to Sg_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to Sg_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| wn_db_site | Foreign key reference to Work_Num_Data_Type.wn_db_site | HEXSTRING(16) NOT NULL |
| wn_db_id | Foreign key reference to Work_Num_Data_Type.wn_db_id | UINT NOT NULL |
| wn_type_code | Foreign key reference to Work_Num_Data_Type.wn_type_code | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|--|---|
| | segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed, wn_db_site, wn_db_id, wn_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_completed_work (segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed) | segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed) |
| | work_num_data_type (wn_db_site, wn_db_id, wn_type_code) | wn_db_site, wn_db_id, wn_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#457 sg_completed_work_chr_data

Description: Segment Completed Work Character Data

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|--------------------------|
| segment_site | Foreign key reference to Sg_Completed_Work.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Sg_Completed_Work.segment_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to Sg_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to Sg_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to Sg_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to Sg_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| wc_db_site | Foreign key reference to Work_Chr_Data_Type.wc_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| wc_db_id | Foreign key reference to Work_Chr_Data_Type.wc_db_id, Included in composite primary key | UINT NOT NULL |
| wc_type_code | Foreign key reference to Work_Chr_Data_Type.wc_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod | USHORT |

| | | |
|---------------------|---|--|
| | which determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed, wc_db_site, wc_db_id, wc_type_code | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_completed_work (segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed) | segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed) |
| | work_chr_data_type (wc_db_site, wc_db_id, wc_type_code) | wc_db_site, wc_db_id, wc_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#458 sg_completed_work_blob_data

Description: Segment Completed Work Binary Data Entity

This entity will hold all the current binary data related to a segment completed work action.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|--|--------------------------|
| segment_site | Foreign key reference to Sg_Completed_Work.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Sg_Completed_Work.segment_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to Sg_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to Sg_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to Sg_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to Sg_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| blct_db_site | Foreign key reference to Blob_Content_Type.blct_db_site | HEXSTRING(16) NOT NULL |
| blct_db_id | Foreign key reference to Blob_Content_Type.blct_db_id | UINT NOT NULL |
| blc_type_code | Foreign key reference to Blob_Content_Type.blc_type_code | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |

| | | |
|---------------------|---|--|
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed, bd_db_site, bd_db_id, bd_type_code, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_completed_work (segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed) | segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed) |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | blob_content_type (blct_db_site, blct_db_id, blc_type_code) | blct_db_site, blct_db_id, blc_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#461 sg_completed_work_olist_used

Description: In-work Ordered List (Associated Bill of Materiel, etc.) Used for Segment Completed Work

This entity will hold all associated ordered lists (Bill of Material, Bill of Labour, etc.) used during work performed on a segment.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|--------------------------|
| segment_site | Foreign key reference to Sg_Completed_Work.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Sg_Completed_Work.segment_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to Sg_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to Sg_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to Sg_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to Sg_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| ord_list_db_site | Foreign key reference to Ordered_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Ordered_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Ordered_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod | USHORT |

| | | |
|---------------------|--|--|
| | which determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed, ord_list_db_site, ord_list_db_id, ord_list_id | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_completed_work (segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed) | segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed) |
| | ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id) | ord_list_db_site, ord_list_db_id, ord_list_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#455 sg_completed_work_olist_rem

Description: In-work Ordered List (Associated Bill of Materiel, etc.) Removed for Segment Completed Work

This entity will hold all associated ordered lists (Bill of Material, Bill of Labour, etc.) removed during work performed on a segment.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|--------------------------|
| segment_site | Foreign key reference to Sg_Completed_Work.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Sg_Completed_Work.segment_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to Sg_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to Sg_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to Sg_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to Sg_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| ord_list_db_site | Foreign key reference to Ordered_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Ordered_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Ordered_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod | USHORT |

| | | |
|---------------------|--|--|
| | which determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed, ord_list_db_site, ord_list_db_id, ord_list_id | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_completed_work (segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed) | segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed) |
| | ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id) | ord_list_db_site, ord_list_db_id, ord_list_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#540 sg_comp_work_for_sg_prop_event

Description: Segment Completed Work For Segment Proposed Event

This entity will hold segment completed work entries associated with a segment proposed event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|--------------------------|
| segment_site | Foreign key reference to Sg_Completed_Work.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Sg_Completed_Work.segment_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to Sg_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to Sg_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to Sg_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to Sg_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| sg_prop_db_site | Foreign key reference to Sg_Proposed_Event.sg_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_prop_db_id | Foreign key reference to Sg_Proposed_Event.sg_prop_db_id, Included in composite primary key | UINT NOT NULL |
| sg_prop_event_id | Foreign key reference to Sg_Proposed_Event.sg_prop_event_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|---|---|
| | segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed, sg_prop_db_site, sg_prop_db_id, sg_prop_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_completed_work (segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed) | segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed) |
| | sg_proposed_event (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id) | sg_prop_db_site, sg_prop_db_id, sg_prop_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#544 sg_comp_work_for_as_prop_event

Description: Segment Completed Work For Asset Proposed Event

This entity will hold segment completed work entries associated with a asset proposed event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|--------------------------|
| segment_site | Foreign key reference to Sg_Completed_Work.segmet_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Sg_Completed_Work.segmet_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to Sg_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to Sg_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to Sg_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to Sg_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| as_prop_db_site | Foreign key reference to As_Proposed_Event.as_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_prop_db_id | Foreign key reference to As_Proposed_Event.as_prop_db_id, Included in composite primary key | UINT NOT NULL |
| as_prop_event_id | Foreign key reference to As_Proposed_Event.as_prop_event_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|---|---|
| | segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed, as_prop_db_site, as_prop_db_id, as_prop_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_completed_work (segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed) | segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed) |
| | as_proposed_event (as_prop_db_site, as_prop_db_id, as_prop_event_id) | as_prop_db_site, as_prop_db_id, as_prop_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#459 sg_completed_work_for_sg_event

Description: Segment Completed Work For Segment Event

This entity will hold segment completed work entries associated with a segment event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|--------------------------|
| segment_site | Foreign key reference to Sg_Completed_Work.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Sg_Completed_Work.segment_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to Sg_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to Sg_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to Sg_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to Sg_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| ev_segment_site | Foreign key reference to Segment_Event.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_segment_id | Foreign key reference to Segment_Event.segment_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Segment_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Segment_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Segment_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Segment_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft | HEXSTRING(16) |

| | | |
|---------------------|---|--|
| | deleting this entry | |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed, ev_segment_site, ev_segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_completed_work (segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed) | segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed) |
| | segment_event (segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | ev_segment_site, ev_segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#552 sg_completed_work_for_as_event

Description: Segment Completed Work For Asset Event

This entity will hold segment completed work entries associated with a asset event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-------------------|---|--------------------------|
| segment_site | Foreign key reference to Sg_Completed_Work.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Sg_Completed_Work.segment_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to Sg_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to Sg_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to Sg_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to Sg_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| ev_asset_org_site | Foreign key reference to Asset_Event.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_asset_id | Foreign key reference to Asset_Event.asset_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Asset_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Asset_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Asset_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Foreign key reference to Asset_Event.gmt_event_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft | HEXSTRING(16) |

| | | |
|---------------------|---|--|
| | deleting this entry | |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed, ev_asset_org_site, ev_asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | sg_completed_work (segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed) | segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed) |
| | asset_event (asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | ev_asset_org_site, ev_asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#559 as_completed_work_asset_util

Description: Asset Completed Work Associated Asset Utilized (Parts Installed/Removed)

This entity will hold the Parts installed/removed for asset completed work entries.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|--------------------------|
| asset_org_site | Foreign key reference to As_Completed_Work.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to As_Completed_Work.asset_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to As_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to As_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to As_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to As_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| used_asset_org_site | Foreign key reference to Asset_on_Segment.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| used_asset_id | Foreign key reference to Asset_on_Segment.asset_id, Included in composite primary key | UINT NOT NULL |
| on_segment_site | Foreign key reference to Asset_on_Segment.segment_site, Included in composite primary key | |
| on_segment_id | Foreign key reference to Asset_on_Segment.segment_id, Included in composite primary key | UINT NOT NULL |
| gmt_installed | Foreign key reference to Asset_on_Segment.gmt_installed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies | UINT |

| | | |
|---------------------|--|---|
| | the database creating/updating/soft deleting this entry | |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed, used_asset_org_site, used_asset_id, on_segment_site, on_segment_id, gmt_installed | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_completed_work (asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed) | asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed |
| | asset_on_segment (asset_org_site, asset_id, segment_site, segment_id, gmt_installed) | used_asset_org_site, used_asset_id, on_segment_site, on_segment_id, gmt_installed |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#514 as_completed_work_num_data

Description: Asset Completed Work Numeric Data

| Attribute | Description | Size/Type |
|------------------|---|--------------------------|
| asset_org_site | Foreign key reference to As_Completed_Work.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to As_Completed_Work.asset_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to As_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to As_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to As_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to As_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| wn_db_site | Foreign key reference to Work_Num_Data_Type.wn_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| wn_db_id | Foreign key reference to Work_Num_Data_Type.wn_db_id, Included in composite primary key | UINT NOT NULL |
| wn_type_code | Foreign key reference to Work_Num_Data_Type.wn_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod | USHORT |

| | | |
|---------------------|---|---|
| | which determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed, wn_db_site, wn_db_id, wn_type_code | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_completed_work (asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed) | asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed |
| | work_num_data_type (wn_db_site, wn_db_id, wn_type_code) | wn_db_site, wn_db_id, wn_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#521 as_completed_work_chr_data

Description: Asset Completed Work Character Data

| Attribute | Description | Size/Type |
|------------------|---|--------------------------|
| asset_org_site | Foreign key reference to As_Completed_Work.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to As_Completed_Work.asset_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to As_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to As_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to As_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to As_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| wc_db_site | Foreign key reference to Work_Chr_Data_Type.wc_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| wc_db_id | Foreign key reference to Work_Chr_Data_Type.wc_db_id, Included in composite primary key | UINT NOT NULL |
| wc_type_code | Foreign key reference to Work_Chr_Data_Type.wc_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod | USHORT |

| | | |
|---------------------|---|---|
| | which determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed, wc_db_site, wc_db_id, wc_type_code | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_completed_work (asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed) | asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed |
| | work_chr_data_type (wc_db_site, wc_db_id, wc_type_code) | wc_db_site, wc_db_id, wc_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#527 as_completed_work_blob_data

Description: Asset Completed Work Binary Data Entity

This entity will hold all the current binary data related to an asset completed work action.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|--|--------------------------|
| asset_org_site | Foreign key reference to As_Completed_Work.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to As_Completed_Work.asset_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to As_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to As_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to As_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to As_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| blct_db_site | Foreign key reference to Blob_Content_Type.blct_db_site | HEXSTRING(16) NOT NULL |
| blct_db_id | Foreign key reference to Blob_Content_Type.blct_db_id | UINT NOT NULL |
| blc_type_code | Foreign key reference to Blob_Content_Type.blc_type_code | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |

| | | |
|---------------------|---|---|
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed, bd_db_site, bd_db_id, bd_type_code, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_completed_work (asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed) | asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | blob_content_type (blct_db_site, blct_db_id, blc_type_code) | blct_db_site, blct_db_id, blc_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#534 as_completed_work_olist_used

Description: In-work Ordered List (Associated Bill of Materiel, etc.) Used for Asset Completed Work

This entity will hold all associated ordered lists (Bill of Material, Bill of Labour, etc.) used during work performed on an asset.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|--------------------------|
| asset_org_site | Foreign key reference to As_Completed_Work.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to As_Completed_Work.asset_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to As_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to As_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to As_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to As_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| ord_list_db_site | Foreign key reference to Ordered_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Ordered_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Ordered_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod | USHORT |

| | | |
|---------------------|--|---|
| | which determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed, ord_list_db_site, ord_list_db_id, ord_list_id | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_completed_work (asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed) | asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed |
| | ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id) | ord_list_db_site, ord_list_db_id, ord_list_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#537 as_completed_work_olist_rem

Description: In-work Ordered List (Associated Bill of Materiel, etc.) Removed for Asset Completed Work

This entity will hold all associated ordered lists (Bill of Material, Bill of Labour, etc.) removed during work performed on an asset.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|--------------------------|
| asset_org_site | Foreign key reference to As_Completed_Work.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to As_Completed_Work.asset_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to As_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to As_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to As_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to As_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| ord_list_db_site | Foreign key reference to Ordered_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Ordered_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Ordered_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which | USHORT |

| | | |
|---------------------|--|---|
| | determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed, ord_list_db_site, ord_list_db_id, ord_list_id | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_completed_work (asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed) | asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed |
| | ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id) | ord_list_db_site, ord_list_db_id, ord_list_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#541 as_comp_work_for_sg_prop_event

Description: Asset Completed Work For Segment Proposed Event

This entity will hold asset completed work entries associated with a segment proposed event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|--------------------------|
| asset_org_site | Foreign key reference to As_Completed_Work.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to As_Completed_Work.asset_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to As_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to As_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to As_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to As_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| sg_prop_db_site | Foreign key reference to Sg_Proposed_Event.sg_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_prop_db_id | Foreign key reference to Sg_Proposed_Event.sg_prop_db_id, Included in composite primary key | UINT NOT NULL |
| sg_prop_event_id | Foreign key reference to Sg_Proposed_Event.sg_prop_event_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|---|---|
| | asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed, sg_prop_db_site, sg_prop_db_id, sg_prop_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_completed_work (asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed) | asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed |
| | sg_proposed_event (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id) | sg_prop_db_site, sg_prop_db_id, sg_prop_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#546 as_comp_work_for_as_prop_event

Description: Asset Completed Work For Asset Proposed Event

This entity will hold asset completed work entries associated with a asset proposed event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|--------------------------|
| asset_org_site | Foreign key reference to As_Completed_Work.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to As_Completed_Work.asset_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to As_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to As_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to As_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to As_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| as_prop_db_site | Foreign key reference to As_Proposed_Event.as_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_prop_db_id | Foreign key reference to As_Proposed_Event.as_prop_db_id, Included in composite primary key | UINT NOT NULL |
| as_prop_event_id | Foreign key reference to As_Proposed_Event.as_prop_event_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|---|---|
| | asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed, as_prop_db_site, as_prop_db_id, as_prop_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_completed_work (asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed) | asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed |
| | as_proposed_event (as_prop_db_site, as_prop_db_id, as_prop_event_id) | as_prop_db_site, as_prop_db_id, as_prop_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#549 as_completed_work_for_sg_event

Description: Asset Completed Work For Segment Event

This entity will hold asset completed work entries associated with a segment event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|--------------------------|
| asset_org_site | Foreign key reference to As_Completed_Work.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to As_Completed_Work.asset_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to As_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to As_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to As_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to As_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| ev_segment_site | Foreign key reference to Segment_Event.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_segment_id | Foreign key reference to Segment_Event.segment_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Segment_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Segment_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Segment_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Segment_Event FK, Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |

| | | |
|---------------------|---|--|
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed, ev_segment_site, ev_segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_completed_work (asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed) | asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed |
| | segment_event (segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | ev_segment_site, ev_segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#554 as_completed_work_for_as_event

Description: Asset Completed Work For Asset Event

This entity will hold asset completed work entries associated with an asset event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-------------------|---|--------------------------|
| asset_org_site | Foreign key reference to As_Completed_Work.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to As_Completed_Work.asset_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to As_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to As_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to As_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to As_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| ev_asset_org_site | Foreign key reference to Asset_Event.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_asset_id | Foreign key reference to Asset_Event.asset_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Asset_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Asset_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Asset_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |

| | | |
|---------------------|---|--|
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed, ev_asset_org_site, ev_asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | as_completed_work (asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed) | asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed |
| | asset_event (asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | ev_asset_org_site, ev_asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#558 ol_completed_work_asset_util

Description: Ordered List Completed Work Associated Asset Utilized (Parts Installed/Removed)

This entity will hold the Parts installed/removed for Ordered List Completed work entries.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|--|--------------------------|
| ord_list_db_site | Foreign key reference to OL_Completed_Work.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to OL_Completed_Work.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to OL_Completed_Work.ord_list_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to OL_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to OL_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to OL_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to OL_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| used_asset_org_site | Foreign key reference to Asset_on_Segment.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| used_asset_id | Foreign key reference to Asset_on_Segment.asset_id, Included in composite primary key | UINT NOT NULL |
| on_segment_site | Foreign key reference to Asset_on_Segment.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| on_segment_id | Foreign key reference to Asset_on_Segment.segment_id, Included in composite primary key | UINT NOT NULL |
| gmt_installed | Foreign key reference to Asset_on_Segment.gmt_installed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies | HEXSTRING(16) |

| | | |
|---------------------|---|--|
| | the database creating/updating/soft deleting this entry | |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed, used_asset_org_site, used_asset_id, on_segment_site, on_segment_id, gmt_installed | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | ol_completed_work (ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed) | ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed |
| | asset_on_segment (asset_org_site, asset_id, segment_site, segment_id, gmt_installed) | used_asset_org_site, used_asset_id, on_segment_site, on_segment_id, gmt_installed |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#513 ol_completed_work_num_data

Description: Ordered List Completed Work Numeric Data

| Attribute | Description | Size/Type |
|------------------|---|--------------------------|
| ord_list_db_site | Foreign key reference to OL_Completed_Work.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to OL_Completed_Work.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to OL_Completed_Work.ord_list_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to OL_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to OL_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to OL_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to OL_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| wn_db_site | Foreign key reference to Work_Num_Data_Type.wn_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| wn_db_id | Foreign key reference to Work_Num_Data_Type.wn_db_id, Included in composite primary key | UINT NOT NULL |
| wn_type_code | Foreign key reference to Work_Num_Data_Type.wn_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft | UINT |

| | | |
|---------------------|--|--|
| | deleting this entry | |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed, wn_db_site, wn_db_id, wn_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | ol_completed_work (ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed) | ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed |
| | work_num_data_type (wn_db_site, wn_db_id, wn_type_code) | wn_db_site, wn_db_id, wn_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#520 ol_completed_work_chr_data

Description: Ordered List Completed Work Character Data

| Attribute | Description | Size/Type |
|------------------|---|--------------------------|
| ord_list_db_site | Foreign key reference to OL_Completed_Work.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to OL_Completed_Work.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to OL_Completed_Work.ord_list_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to OL_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to OL_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to OL_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to OL_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| wc_db_site | Foreign key reference to Work_Chr_Data_Type.wc_db_site Included in composite primary key | HEXSTRING(16) NOT NULL |
| wc_db_id | Foreign key reference to Work_Chr_Data_Type.wc_db_id Included in composite primary key | UINT NOT NULL |
| wc_type_code | Foreign key reference to Work_Chr_Data_Type.wc_type_code Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft | UINT |

| | | |
|---------------------|--|--|
| | deleting this entry | |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed, wc_db_site, wc_db_id, wc_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | ol_completed_work (ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed) | ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed |
| | work_chr_data_type (wc_db_site, wc_db_id, wc_type_code) | wc_db_site, wc_db_id, wc_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#526 ol_completed_work_blob_data

Description: Ordered List Completed Work Binary Data Entity

This entity will hold all the current binary data related to an Ordered List Completed work action.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|--|--------------------------|
| ord_list_db_site | Foreign key reference to OL_Completed_Work.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to OL_Completed_Work.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to OL_Completed_Work.ord_list_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to OL_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to OL_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to OL_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to OL_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| bd_db_site | Foreign key reference to Blob_DataType.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_DataType.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_DataType.bd_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| blct_db_site | Foreign key reference to Blob_Content_Type.blct_db_site | HEXSTRING(16) NOT NULL |
| blct_db_id | Foreign key reference to Blob_Content_Type.blct_db_id | UINT NOT NULL |
| blc_type_code | Foreign key reference to Blob_Content_Type.blc_type_code | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides | STRING(0:254) |

| | | |
|---------------------|--|--|
| | a default name for the blob if it is to be extracted into a file. | |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed, bd_db_site, bd_db_id, bd_type_code, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | ol_completed_work (ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed) | ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | blob_content_type (blct_db_site, blct_db_id, blc_type_code) | blct_db_site, blct_db_id, blc_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#535 ol_completed_work_olist_used

Description: In-work Ordered List (Associated Bill of Materiel, etc.) Used for Ordered List Completed Work

This entity will hold all associated ordered lists (Bill of Material, Bill of Labour, etc.) used during work performed on an Ordered List.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-----------------------|---|--------------------------|
| ord_list_db_site | Foreign key reference to OL_Completed_Work.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to OL_Completed_Work.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to OL_Completed_Work.ord_list_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to OL_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to OL_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to OL_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to OL_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| used_ord_list_db_site | Foreign key reference to Ordered_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| used_ord_list_db_id | Foreign key reference to Ordered_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| used_ord_list_id | Foreign key reference to Ordered_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft | UINT |

| | | |
|---------------------|--|--|
| | deleting this entry | |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed, used_ord_list_db_site, used_ord_list_db_id, used_ord_list_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | ol_completed_work (ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed) | ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed |
| | ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id) | used_ord_list_db_site, used_ord_list_db_id, used_ord_list_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#538 ol_completed_work_olist_rem

Description: In-work Ordered List (Associated Bill of Materiel, etc.) Removed for Ordered List Completed Work

This entity will hold all associated ordered lists (Bill of Material, Bill of Labour, etc.) removed during work performed on an Ordered List.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|----------------------|---|--------------------------|
| ord_list_db_site | Foreign key reference to OL_Completed_Work.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to OL_Completed_Work.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to OL_Completed_Work.ord_list_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to OL_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to OL_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to OL_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to OL_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| rem_ord_list_db_site | Foreign key reference to Ordered_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| rem_ord_list_db_id | Foreign key reference to Ordered_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| rem_ord_list_id | Foreign key reference to Ordered_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft | UINT |

| | | |
|---------------------|---|--|
| | deleting this entry | |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed, rem_ord_list_db_site, rem_ord_list_db_id, rem_ord_list_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | ol_completed_work (ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed) | ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed |
| | ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id) | rem_ord_list_db_site, rem_ord_list_db_id, rem_ord_list_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#542 ol_comp_work_for_sg_prop_event

Description: Ordered List Completed Work For Segment Proposed Event

This entity will hold Ordered List Completed work entries associated with a segment proposed event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|--------------------------|
| ord_list_db_site | Foreign key reference to OL_Completed_Work.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to OL_Completed_Work.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to OL_Completed_Work.ord_list_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to OL_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to OL_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to OL_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to OL_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| sg_prop_db_site | Foreign key reference to Sg_Proposed_Event.sg_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| sg_prop_db_id | Foreign key reference to Sg_Proposed_Event.sg_prop_db_id, Included in composite primary key | UINT NOT NULL |
| sg_prop_event_id | Foreign key reference to Sg_Proposed_Event.sg_prop_event_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |

| | | |
|---------------------|--|--|
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed, sg_prop_db_site, sg_prop_db_id, sg_prop_event_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | ol_completed_work (ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed) | ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed |
| | sg_proposed_event (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id) | sg_prop_db_site, sg_prop_db_id, sg_prop_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#545 ol_comp_work_for_as_prop_event

Description: Ordered List Completed Work For Asset Proposed Event

This entity will hold Ordered List Completed work entries associated with a asset proposed event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|--------------------------|
| ord_list_db_site | Foreign key reference to OL_Completed_Work.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to OL_Completed_Work.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to OL_Completed_Work.ord_list_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to OL_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to OL_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to OL_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to OL_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| as_prop_db_site | Foreign key reference to As_Proposed_Event.as_prop_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| as_prop_db_id | Foreign key reference to As_Proposed_Event.as_prop_db_id, Included in composite primary key | UINT NOT NULL |
| as_prop_event_id | Foreign key reference to As_Proposed_Event.as_prop_event_id, Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to | USHORT |

| | | |
|---------------------|--|--|
| | Row_Status_Type.rstat_type_cod which determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed, as_prop_db_site, as_prop_db_id, as_prop_event_id | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | ol_completed_work (ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed) | ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed |
| | as_proposed_event (as_prop_db_site, as_prop_db_id, as_prop_event_id) | as_prop_db_site, as_prop_db_id, as_prop_event_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#550 ol_completed_work_for_sg_event

Description: Ordered List Completed Work For Segment Event

This entity will hold Ordered List Completed work entries associated with a segment event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|--|--------------------------|
| ord_list_db_site | Foreign key reference to OL_Completed_Work.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to OL_Completed_Work.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to OL_Completed_Work.ord_list_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to OL_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to OL_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to OL_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to OL_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| ev_segment_site | Foreign key reference to Segment_Event.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_segment_id | Foreign key reference to Segment_Event.segment_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Segment_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Segment_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Segment_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Segment_Event FK, Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to | HEXSTRING(16) |

| | | |
|---------------------|--|--|
| | Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed, ev_segment_site, ev_segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | ol_completed_work (ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed) | ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed |
| | segment_event (segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | ev_segment_site, ev_segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#553 ol_completed_work_for_as_event

Description: Ordered List Completed Work For Asset Event

This entity will hold Ordered List Completed work entries associated with an asset event.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-------------------|--|--------------------------|
| ord_list_db_site | Foreign key reference to OL_Completed_Work.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to OL_Completed_Work.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to OL_Completed_Work.ord_list_id, Included in composite primary key | UINT NOT NULL |
| task_db_site | Foreign key reference to OL_Completed_Work.task_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| task_db_id | Foreign key reference to OL_Completed_Work.task_db_id, Included in composite primary key | UINT NOT NULL |
| task_type_code | Foreign key reference to OL_Completed_Work.task_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_completed | Foreign key reference to OL_Completed_Work.gmt_completed, Included in composite primary key | DATETIME(19:29) NOT NULL |
| ev_asset_org_site | Foreign key reference to Asset_Event.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_asset_id | Foreign key reference to Asset_Event.asset_org_id, Included in composite primary key | UINT NOT NULL |
| ev_db_site | Foreign key reference to Asset_Event.ev_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ev_db_id | Foreign key reference to Asset_Event.ev_db_id, Included in composite primary key | UINT NOT NULL |
| event_type_code | Foreign key reference to Asset_Event.event_type_code, Included in composite primary key | UINT NOT NULL |
| gmt_event_start | Asset_Event FK, Included in composite primary key | DATETIME(19:29) NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to | HEXSTRING(16) |

| | | |
|---------------------|--|--|
| | Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed, ev_asset_org_site, ev_asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | ol_completed_work (ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed) | ord_list_db_site, ord_list_db_id, ord_list_id, task_db_site, task_db_id, task_type_code, gmt_completed |
| | asset_event (asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start) | ev_asset_org_site, ev_asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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GeoSpatial Entities

#347 geo_position

Description: Geo Position Entity

| Attribute | Description | Size/Type |
|---------------------|---|-------------------------------------|
| geo_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| geo_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| geo_position_id | Included in composite primary key | UINT NOT NULL |
| user_tag_ident | Short user tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| description | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | geo_db_site,geo_db_id, geo_position_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | geo_db_site,geo_db_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#351 gps_location

Description: GPS Location Entity

| Attribute | Description | Size/Type |
|---------------------|---|------------------------|
| geo_db_site | Foreign key reference to Geo_Position.geo_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| geo_db_id | Foreign key reference to Geo_Position.geo_db_id, Included in composite primary key | UINT NOT NULL |
| geo_position_id | Foreign key reference to Geo_Position.geo_position_id, Included in composite primary key | UINT NOT NULL |
| ordering_sequence | Normally only 1 GPS_Location for a geo-position. This ordering_sequence allows for the same exact geo-position to be referenced by multiple GPS locations if different GPS datum types, precision types, and elevation types are specified. Included in composite primary key | UINT NOT NULL |
| latitude | For 2D & 3D GPS position | DOUBLE NOT NULL |
| longitude | For 2D & 3D GPS position | DOUBLE NOT NULL |
| elevation | For 3D GPS position | DOUBLE |
| datum_db_site | Foreign key reference to Gps_Datum_Type.datum_db_site | HEXSTRING(16) |
| datum_db_id | Foreign key reference to Gps_Datum_Type.datum_db_id | UINT |
| datum_type_code | Foreign key reference to Gps_Datum_Type.datum_type_code | UINT |
| precision_db_site | Foreign key reference to Gps_Precision_Type.precision_db_site | HEXSTRING(16) |
| precision_db_id | Foreign key reference to Gps_Precision_Type.precision_db_id | UINT |
| precision_type_code | Foreign key reference to Gps_Precision_Type.precision_type_code | UINT |
| elevation_db_site | Foreign key reference to Gps_Elevation_Type.elevation_db_site | HEXSTRING(16) |
| elevation_db_id | Foreign key reference to Gps_Elevation_Type.elevation_db_id | UINT |
| elevation_type_code | Foreign key reference to Gps_Elevation_Type.elevation_type_code | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |

| | | |
|---------------------|---|---|
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | geo_db_site, geo_db_id, geo_position_id, ordering_sequence | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | geo_position (geo_db_site, geo_db_id, geo_position_id) | geo_db_site, geo_db_id, geo_position_id |
| | gps_datum_type (datum_db_site, datum_db_id, datum_type_code) | datum_db_site, datum_db_id, datum_type_code |
| | gps_precision_type (precision_db_site, precision_db_id, precision_type_code) | precision_db_site, precision_db_id, precision_type_code |
| | gps_elevation_type (elevation_db_site, elevation_db_id, elevation_type_code) | elevation_db_site, elevation_db_id, elevation_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#352 segment_geo_position

Description: Segment Geo Position

| Attribute | Description | Size/Type |
|------------------|---|--------------------------|
| segment_site | Foreign key reference to Segment.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment.segment_id, Included in composite primary key | UINT NOT NULL |
| geo_db_site | Foreign key reference to Geo_Position.geo_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| geo_db_id | Foreign key reference to Geo_Position.geo_db_id, Included in composite primary key | UINT NOT NULL |
| geo_position_id | Foreign key reference to Geo_Position.geo_position_id, Included in composite primary key | UINT NOT NULL |
| gmt_at_location | Included in composite primary key | DATETIME(19:29) NOT NULL |
| loc_hr_delta | Event start/stop time local hour offset from GMT | SHORT |
| loc_min_delta | Event strat/stop tim local minute offset from GMT | USHORT |
| duration | Length of time the segment remained at the geo_position | DOUBLE |
| dur_eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site (Time eng. units for duration) | HEXSTRING(16) |
| dur_eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT |
| dur_eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|--|--|
| | segment_site, segment_id, geo_db_site, geo_db_id, geo_position_id, gmt_at_location | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | segment (segment_site,segment_id) | segment_site,segment_id |
| | geo_position (geo_db_site, geo_db_id, geo_position_id) | geo_db_site, geo_db_id, geo_position_id |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | dur_eu_db_site, dur_eu_db_id, dur_eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

#353 asset_geo_position

Description: Asset Geo Position

| Attribute | Description | Size/Type |
|------------------|---|--------------------------|
| asset_org_site | Foreign key reference to Asset.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset.asset_id, Included in composite primary key | UINT NOT NULL |
| geo_db_site | Foreign key reference to Geo_Position.geo_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| geo_db_id | Foreign key reference to Geo_Position.geo_db_id, Included in composite primary key | UINT NOT NULL |
| geo_position_id | Foreign key reference to Geo_Position.geo_position_id, Included in composite primary key | UINT NOT NULL |
| gmt_at_location | Included in composite primary key | DATETIME(19:29) NOT NULL |
| loc_hr_delta | Event start/stop time local hour offset from GMT | SHORT |
| loc_min_delta | Event strat/stop tim local minute offset from GMT | USHORT |
| duration | Length of time the segment remained at the geo_position | DOUBLE |
| dur_eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site (Time eng. units for duration) | HEXSTRING(16) |
| dur_eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT |
| dur_eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |

| <u>Primary Key</u> | <u>Attribute(s)</u> | |
|---------------------|--|--|
| | asset_org_site, asset_id, geo_db_site, geo_db_id, geo_position_id, gmt_at_location | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset (asset_org_site,asset_id) | asset_org_site,asset_id |
| | geo_position (geo_db_site, geo_db_id, geo_position_id) | geo_db_site, geo_db_id, geo_position_id |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | dur_eu_db_site, dur_eu_db_id, dur_eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

Logistic Resource Entities

#444 logistic_resource

Description: Logistic Resource (Materiel, Labor, etc.)

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|-----------------------|---|----------------------------------|
| resource_db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| resource_db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| resource_id | Included in composite primary key | UINT NOT NULL |
| resource_type_db_site | Foreign key reference to Logistic_Resource_Type.resource_type_db_site | HEXSTRING(16) NOT NULL |
| resource_type_db_id | Foreign key reference to Logistic_Resource_Type.resource_type_db_id | UINT NOT NULL |
| resource_type_code | Foreign key reference to Logistic_Resource_Type.resource_type_code | UINT NOT NULL |
| segment_site | Foreign key reference to Segment.segment_site | HEXSTRING(16) |
| segment_id | Foreign key reference to Segment.segment_id | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | resource_db_site, resource_db_id, resource_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | resource_db_site, resource_db_id |

| | | |
|--|--|--|
| | logistic_resource_type (resource_type_db_site, resource_type_db_id, resource_type_code) | resource_type_db_site, resource_type_db_id, resource_type_code |
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#426 resource_child

Description: Resource Child Entity

The resource_child entity shows the parent-child relationships of resources to each other.

The mandatory ordering sequence specifies the order in which child segments appear when as application requests “all children” of a particular resource.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------------|---|------------------------|
| resource_db_site | Foreign key reference to Logistic_Resource.resource_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| resource_db_id | Foreign key reference to Logistic_Resource.resource_db_id, Included in composite primary key | UINT NOT NULL |
| resource_id | Foreign key reference to Logistic_Resource.resource_id, Included in composite primary key | UINT NOT NULL |
| child_resource_db_site | Foreign key reference to Logistic_Resource.resource_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| child_resource_db_id | Foreign key reference to Logistic_Resource.resource_db_id, Included in composite primary key | UINT NOT NULL |
| child_resource_id | Foreign key reference to Logistic_Resource.resource_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | | UINT NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | resource_db_site, resource_db_id, resource_id, child_resource_db_site, child_resource_db_id, child_resource_id | |
| | | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|---|---|
| | logistic_resource (resource_db_site, resource_db_id, resource_id) | resource_db_site, resource_db_id, resource_id |
| | logistic_resource (resource_db_site, resource_db_id, resource_id) | child_resource_db_site, child_resource_db_id, child_resource_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#427 resource_num_data

Description: Resource Numeric Data Entity

This entity will hold all the current numeric data related to an resource.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| resource_db_site | Foreign key reference to Logistic_Resource.resource_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| resource_db_id | Foreign key reference to Logistic_Resource.resource_db_id, Included in composite primary key | UINT NOT NULL |
| resource_id | Foreign key reference to Logistic_Resource.resource_id, Included in composite primary key | UINT NOT NULL |
| rsn_type_db_site | Foreign key reference to Resource_Num_Data_Type.rsn_type_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| rsn_type_db_id | Foreign key reference to Resource_Num_Data_Type.rsn_type_db_id, Included in composite primary key | UINT NOT NULL |
| rsn_type_code | Foreign key reference to Resource_Num_Data_Type.rsn_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | resource_db_site, resource_db_id, resource_id, rsn_type_db_site, rsn_type_db_id, rsn_type_code | |

| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
|---------------------|---|---|
| | logistic_resource (resource_db_site, resource_db_id, resource_id) | resource_db_site, resource_db_id, resource_id |
| | resource_num_dat_type (rsn_type_db_site, rsn_type_db_id, rsn_type_code) | rsn_type_db_site, rsn_type_db_id, rsn_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#428 resource_chr_data

Description: Resource Character Data Entity

This entity will hold all the current alpha-numeric data related to a resource.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| resource_db_site | Foreign key reference to Logistic_Resource.resource_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| resource_db_id | Foreign key reference to Logistic_Resource.resource_db_id, Included in composite primary key | UINT NOT NULL |
| resource_id | Foreign key reference to Logistic_Resource.resource_id, Included in composite primary key | UINT NOT NULL |
| rsc_type_db_site | Foreign key reference to Resource_Chr_Dat_Type.rsc_type_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| rsc_type_db_id | Foreign key reference to Resource_Chr_Dat_Type.rsc_type_db_id, Included in composite primary key | UINT NOT NULL |
| rsc_type_code | Foreign key reference to Resource_Chr_Dat_Type.rsc_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | STRING(0:254) NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | resource_db_site, resource_db_id, | |

| | | |
|---------------------|---|---|
| | resource_id, rsc_type_db_site, rsc_type_db_id, rsc_type_code | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | logistic_resource (resource_db_site, resource_db_id, resource_id) | resource_db_site, resource_db_id, resource_id |
| | resource_chr_dat_type (rsc_type_db_site, rsc_type_db_id, rsc_type_code) | rsc_type_db_site, rsc_type_db_id, rsc_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#429 resource_blob_data

Description: Resource Binary Data

| Attribute | Description | Size/Type |
|------------------|--|------------------------|
| resource_db_site | Foreign key reference to Logistic_Resource.resource_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| resource_db_id | Foreign key reference to Logistic_Resource.resource_db_id, Included in composite primary key | UINT NOT NULL |
| resource_id | Foreign key reference to Logistic_Resource.resource_id, Included in composite primary key | UINT NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| blct_db_site | Foreign key reference to Blob_Content_Type.blct_db_site | HEXSTRING(16) NOT NULL |
| blct_db_id | Foreign key reference to Blob_Content_Type.blct_db_id | UINT NOT NULL |
| blc_type_code | Foreign key reference to Blob_Content_Type.blc_type_code | UINT NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod | USHORT |

| | | |
|---------------------|---|---|
| | which determines the status of this entry | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | resource_db_site, resource_db_id, resource_id, bd_db_site, bd_db_id, bd_type_code, ordering_seq | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | logistic_resource (resource_db_site, resource_db_id, resource_id) | resource_db_site, resource_db_id, resource_id |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | blob_content_type (blct_db_site, blct_db_id, blc_type_code) | blct_db_site, blct_db_id, blc_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#445 materiel_master_item

Description: Materiel Master Item (Materiel Management System Master Record) Entity

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|--|
| mm_resource_db_site | Foreign key reference to Logistic_Resource.resource_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| mm_resource_db_id | Foreign key reference to Logistic_Resource.resource_db_id, Included in composite primary key | UINT NOT NULL |
| mm_resource_id | Foreign key reference to Logistic_Resource.resource_id, Included in composite primary key | UINT NOT NULL |
| as_db_site | Foreign key reference to Asset_Type.as_db_site | HEXSTRING(16) |
| as_db_id | Foreign key reference to Asset_Type.as_db_id | UINT |
| as_type_code | Foreign key reference to Asset_Type.as_type_code | UINT |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | mm_resource_db_site, mm_resource_db_id, mm_resource_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | logistic_resource (resource_db_site, resource_db_id, resource_id) | mm_resource_db_site, mm_resource_db_id, mm_resource_id |
| | asset_type (as_db_site, as_db_id, as_type_code) | as_db_site, as_db_id, as_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

#415 materiel_item

Description: Materiel Item (Consummable, Part, Tool, Document, Form) Entity

| Attribute | Description | Size/Type |
|---------------------|--|------------------------|
| resource_db_site | Foreign key reference to Logistic_Resource.resource_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| resource_db_id | Foreign key reference to Logistic_Resource.resource_db_id, Included in composite primary key | UINT NOT NULL |
| resource_id | Foreign key reference to Logistic_Resource.resource_id, Included in composite primary key | UINT NOT NULL |
| mat_conn_type_code | Foreign key reference to Mat_Item_Conn_Type.mat_con_type_code Entity which contains the type of connection this material item refers to: "Asset_Type", "Model", "Asset", or ("Material_Master_Item") which is used to identify which FK reference to use. One and only one FK matching this resource connection must be specified. <u>mat_conn type code → Foreign Key</u> 1 (Asset_Type) -> as_db_site, as_db_id, as_type_code OR 2 (Model) -> model_db_site, model_db_id, model_id OR 3 (Asset) -> asset_org_site, asset_id 4 (Materiel_Master_Item) -> mm_resource_db_site, mm_resource_db_id, mm_resource_id | USHORT NOT NULL |
| as_db_site | Foreign key reference to Asset_Type.as_db_site | HEXSTRING(16) |
| as_db_id | Foreign key reference to Asset_Type.as_db_id | UINT |
| as_type_code | Foreign key reference to Asset_Type.as_type_code | UINT |
| model_db_site | Foreign key reference to Model.model_db_site | HEXSTRING(16) NOT NULL |
| model_db_id | Foreign key reference to Model.model_db_id | UINT NOT NULL |
| model_id | Foreign key reference to Model.model_id | UINT NOT NULL |
| asset_org_site | Foreign key reference to Asset.asset_org_site | HEXSTRING(16) |
| asset_id | Foreign key reference to Asset.asset_id | UINT |
| mm_resource_db_site | Foreign key reference to Material_Master_Item.mm_resource_db_site | HEXSTRING(16) NOT NULL |
| mm_resource_db_id | Foreign key reference to Material_Master_Item.mm_resource_db_id | UINT NOT NULL |
| mm_resource_id | Foreign key reference to Material_Master_Item.mm_resource_id | UINT NOT NULL |

| | | |
|---------------------|---|--|
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | resource_db_site, resource_db_id, resource_id | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | logistic_resource (resource_db_site, resource_db_id, resource_id) | resource_db_site, resource_db_id, resource_id |
| | mat_item_conn_type (mat_conn_type_code) | mat_conn_type_code |
| | asset_type (as_db_site, as_db_id, as_type_code) | as_db_site, as_db_id, as_type_code |
| | model (model_db_site, model_db_id, model_id) | model_db_site, model_db_id, model_id |
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | materiel_master_item (mm_resource_db_site, mm_resource_db_id, mm_resource_id) | mm_resource_db_site, mm_resource_db_id, mm_resource_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#487 valid_model_for_mat_item

Description: Valid Models for Materiel Item For a Given Database

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| resource_db_site | Foreign key reference to Materiel_Item.resource_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| resource_db_id | Foreign key reference to Materiel_Item.resource_db_id, Included in composite primary key | UINT NOT NULL |
| resource_id | Foreign key reference to Materiel_Item.resource_id, Included in composite primary key | UINT NOT NULL |
| model_db_site | Foreign key reference to Model.model_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| model_db_id | Foreign key reference to Model.model_db_id, Included in composite primary key | UINT NOT NULL |
| model_id | Foreign key reference to Model.model_id, Included in composite primary key | UINT NOT NULL |
| gmt_valid_start | Valid starting, Included in composite primary key | DATETIME(19:29) NOT NULL |
| gmt_valid_end | Valid ending | |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |

| | | |
|---------------------|---|--|
| | db_site, db_id, resource_db_site, resource_db_id, resource_id, model_db_site, model_db_id, model_id, gmt_valid_start | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | db_site, db_id |
| | materiel_item (resource_db_site, resource_db_id, resource_id) | resource_db_site, resource_db_id, resource_id |
| | model (model_db_site, model_db_id, model_id) | model_db_site, model_db_id, model_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#488 valid_mat_item_on_sg

Description: Valid Materiel Item for Segment For a Given Database

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|--------------------------|
| db_site | Foreign key reference to Site_Database.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Site_Database.db_id, Included in composite primary key | UINT NOT NULL |
| segment_site | Foreign key reference to Segment.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment.segment_id, Included in composite primary key | UINT NOT NULL |
| resource_db_site | Foreign key reference to Materiel_Item.resource_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| resource_db_id | Foreign key reference to Materiel_Item.resource_db_id, Included in composite primary key | UINT NOT NULL |
| resource_id | Foreign key reference to Materiel_Item.resource_id, Included in composite primary key | UINT NOT NULL |
| gmt_valid_start | Valid starting, Included in composite primary key | DATETIME(19:29) NOT NULL |
| gmt_valid_end | Valid ending | DATETIME(19:29) |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | db_site, db_id, segment_site, segment_id, resource_db_site, resource_db_id, resource_id, | |

| | | |
|---------------------|---|---|
| | gmt_valid_start | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | site_database (db_site, db_id) | db_site, db_id |
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | materiel_item (resource_db_site, resource_db_id, resource_id) | resource_db_site, resource_db_id, resource_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

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#490 valid_mat_item_on_sg_num_data

Description: Valid Materiel Item on Segment Numeric Data Entity

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|--------------------------|
| db_site | Foreign key reference to Valid_Mat_Item_On_Sg.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Valid_Mat_Item_On_Sg.db_id, Included in composite primary key | UINT NOT NULL |
| segment_site | Foreign key reference to Valid_Mat_Item_On_Sg.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Valid_Mat_Item_On_Sg.segment_id, Included in composite primary key | UINT NOT NULL |
| resource_db_site | Foreign key reference to Valid_Mat_Item_On_Sg.resource_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| resource_db_id | Foreign key reference to Valid_Mat_Item_On_Sg.resource_db_id, Included in composite primary key | UINT NOT NULL |
| resource_id | Foreign key reference to Valid_Mat_Item_On_Sg.resource_id, Included in composite primary key | UINT NOT NULL |
| gmt_valid_start | Foreign key reference to Valid_Mat_Item_On_Sg.gmt_valid_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| rsn_type_db_site | Foreign key reference to Resource_Num_Dat_Type.rsn_type_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| rsn_type_db_id | Foreign key reference to Resource_Num_Dat_Type.rsn_type_db_id, Included in composite primary key | UINT NOT NULL |
| rsn_type_code | Foreign key reference to Resource_Num_Dat_Type.rsn_type_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |

| | | |
|---------------------|---|--|
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | db_site, db_id, segment_site, segment_id, resource_db_site, resource_db_id, resource_id, gmt_valid_start, rsn_type_db_site, rsn_type_db_id, rsn_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | valid_mat_item_on_sg (db_site, db_id, segment_site, segment_id, resource_db_site, resource_db_id, resource_id, gmt_valid_start) | db_site, db_id, segment_site, segment_id, resource_db_site, resource_db_id, resource_id, gmt_valid_start |
| | resource_num_dat_type (rsn_type_db_site, rsn_type_db_id, rsn_type_code) | rsn_type_db_site, rsn_type_db_id, rsn_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#555 valid_mat_item_on_sg_chr_data

Description: Valid Materiel Item on Segment Character Data Entity

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|---|--------------------------|
| db_site | Foreign key reference to Valid_Mat_Item_On_Sg.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Valid_Mat_Item_On_Sg.db_id, Included in composite primary key | UINT NOT NULL |
| segment_site | Foreign key reference to Valid_Mat_Item_On_Sg.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Valid_Mat_Item_On_Sg.segment_id, Included in composite primary key | UINT NOT NULL |
| resource_db_site | Foreign key reference to Valid_Mat_Item_On_Sg.resource_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| resource_db_id | Foreign key reference to Valid_Mat_Item_On_Sg.resource_db_id, Included in composite primary key | UINT NOT NULL |
| resource_id | Foreign key reference to Valid_Mat_Item_On_Sg.resource_id, Included in composite primary key | UINT NOT NULL |
| gmt_valid_start | Foreign key reference to Valid_Mat_Item_On_Sg.gmt_valid_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| rsc_type_db_site | Foreign key reference to Resource_Chr_Dat_Type.rsc_type_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| rsc_type_db_id | Foreign key reference to Resource_Chr_Dat_Type.rsc_type_db_id, Included in composite primary key | UINT NOT NULL |
| rsc_type_code | Foreign key reference to Resource_Chr_Dat_Type.rsc_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this | HEXSTRING(16) |

| | | |
|---------------------|---|--|
| | entry | |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | db_site, db_id, segment_site, segment_id, resource_db_site, resource_db_id, resource_id, gmt_valid_start, rsc_type_db_site, rsc_type_db_id, rsc_type_code | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | valid_mat_item_on_sg (db_site, db_id, segment_site, segment_id, resource_db_site, resource_db_id, resource_id, gmt_valid_start) | db_site, db_id, segment_site, segment_id, resource_db_site, resource_db_id, resource_id, gmt_valid_start |
| | resource_chr_dat_type (rsc_type_db_site, rsc_type_db_id, rsc_type_code) | rsc_type_db_site, rsc_type_db_id, rsc_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#556 valid_mat_item_on_sg_blob_data

Description: Valid Materiel Item on Segment Binary Data Entity

| Attribute | Description | Size/Type |
|------------------|---|--------------------------|
| db_site | Foreign key reference to Valid_Mat_Item_On_Sg.db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| db_id | Foreign key reference to Valid_Mat_Item_On_Sg.db_id, Included in composite primary key | UINT NOT NULL |
| segment_site | Foreign key reference to Valid_Mat_Item_On_Sg.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Valid_Mat_Item_On_Sg.segment_id, Included in composite primary key | UINT NOT NULL |
| resource_db_site | Foreign key reference to Valid_Mat_Item_On_Sg.resource_db_site , Included in composite primary key | HEXSTRING(16) NOT NULL |
| resource_db_id | Foreign key reference to Valid_Mat_Item_On_Sg.resource_db_id, Included in composite primary key | UINT NOT NULL |
| resource_id | Foreign key reference to Valid_Mat_Item_On_Sg.resource_id, Included in composite primary key | UINT NOT NULL |
| gmt_valid_start | Foreign key reference to Valid_Mat_Item_On_Sg.gmt_valid_start, Included in composite primary key | DATETIME(19:29) NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| blct_db_site | Foreign key reference to Blob_Content_Type.blct_db_site | HEXSTRING(16) NOT NULL |
| blct_db_id | Foreign key reference to Blob_Content_Type.blct_db_id | UINT NOT NULL |
| blc_type_code | Foreign key reference to Blob_Content_Type.blc_type_code | UINT NOT NULL |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the | STRING(0:254) |

| | | |
|---------------------|--|--|
| | blob if it is to be extracted into a file. | |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | db_site, db_id, segment_site, segment_id, resource_db_site, resource_db_id, resource_id, gmt_valid_start, bd_db_site, bd_db_id, bd_type_code, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | valid_mat_item_on_sg (db_site, db_id, segment_site, segment_id, resource_db_site, resource_db_id, resource_id, gmt_valid_start) | db_site, db_id, segment_site, segment_id, resource_db_site, resource_db_id, resource_id, gmt_valid_start |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | blob_content_type (blct_db_site, blct_db_id, blc_type_code) | blct_db_site, blct_db_id, blc_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#446 ord_list_resource

Description: Ordered List Resource Item (A Resource Item [Materiel Item or Labor Item] Entry with the Quantity on an Ordered List [Bill of Material, Bill of Labor, etc.]

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| ord_list_db_site | Foreign key reference to Ordered_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Ordered_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Ordered_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Unique Sequence Number on Ordered List, Included in composite primary key | UINT NOT NULL |
| resource_db_site | Foreign key reference to Logistic_Resource.resource_db_site | HEXSTRING(16) NOT NULL |
| resource_db_id | Foreign key reference to Logistic_Resource.resource_db_id | UINT NOT NULL |
| resource_id | Foreign key reference to Logistic_Resource.resource_id | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| quantity | Number of items or Amount of material | DOUBLE |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, | |

| | | |
|---------------------|---|---|
| | ord_list_id, ordering_seq | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id) | ord_list_db_site, ord_list_db_id, ord_list_id |
| | logistic_resource (resource_db_site, resource_db_id, resource_id) | resource_db_site, resource_db_id, resource_id |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#447 ord_list_resource_num_data

Description: Ordered List Resource Item Numeric Data Entity

This entity will hold all the current numeric data related to a resource.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| ord_list_db_site | Foreign key reference to Ordered_List_Resource.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Ordered_List_Resource.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Ordered_List_Resource.ord_list_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Unique Sequence Number on Ordered List, Included in composite primary key | UINT NOT NULL |
| rsn_type_db_site | Foreign key reference to Resource_Num_Dat_Type.rsn_type_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| rsn_type_db_id | Foreign key reference to Resource_Num_Dat_Type.rsn_type_db_id, Included in composite primary key | UINT NOT NULL |
| rsn_type_code | Foreign key reference to Resource_Num_Dat_Type.rsn_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, ord_list_id, | |

| | | |
|---------------------|--|---|
| | ordering_seq, rsn_type_db_site, rsn_type_db_id, rsn_type_code | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | ord_list_resource (ord_list_db_site, ord_list_db_id, ord_list_id, ordering_seq) | ord_list_db_site, ord_list_db_id, ord_list_id, ordering_seq |
| | resource_num_dat_type (rsn_type_db_site, rsn_type_db_id, rsn_type_code) | rsn_type_db_site, rsn_type_db_id, rsn_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#448 ord_list_resource_chr_data

Description: Ordered List Resource Item Character Data Entity

This entity will hold all the current numeric data related to a resource.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|--------------------|---|------------------------|
| ord_list_db_site | Foreign key reference to Ordered_List_Resource.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Ordered_List_Resource.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Ordered_List_Resource.ord_list_id, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Unique Sequence Number on Ordered List, Included in composite primary key | UINT NOT NULL |
| rsc_type_db_site | Foreign key reference to Resource_Character_Data_Type.rsc_type_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| rsc_type_db_id | Foreign key reference to Resource_Character_Data_Type.rsc_type_db_id, Included in composite primary key | UINT NOT NULL |
| rsc_type_code | Foreign key reference to Resource_Character_Data_Type.rsc_type_code, Included in composite primary key | UINT NOT NULL |
| eu_db_site | Foreign key reference to Eng_Unit_Type.eu_db_site | HEXSTRING(16) NOT NULL |
| eu_db_id | Foreign key reference to Eng_Unit_Type.eu_db_id | UINT NOT NULL |
| eu_type_code | Foreign key reference to Eng_Unit_Type.eu_type_code | UINT NOT NULL |
| data_value | | DOUBLE NOT NULL |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, ord_list_id, | |

| | | |
|---------------------|--|---|
| | ordering_seq, rsc_type_db_site, rsc_type_db_id, rsc_type_code | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | ord_list_resource (ord_list_db_site, ord_list_db_id, ord_list_id, ordering_seq) | ord_list_db_site, ord_list_db_id, ord_list_id, ordering_seq |
| | resource_chr_dat_type (rsc_type_db_site, rsc_type_db_id, rsc_type_code) | rsc_type_db_site, rsc_type_db_id, rsc_type_code |
| | eng_unit_type (eu_db_site, eu_db_id, eu_type_code) | eu_db_site, eu_db_id, eu_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#449 ord_list_resource_blob_data

Description: Ordered List Resource Item Binary Data Entity

This entity will hold all the current binary data related to a resource.

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|------------------|--|------------------------|
| ord_list_db_site | Foreign key reference to Ordered_List_Resource.ord_list_db_site , Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Ordered_List_Resource.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Ordered_List_Resource.ord_list_id, Included in composite primary key | UINT NOT NULL |
| ord_list_ord_seq | Unique Sequence Number on Ordered List, Included in composite primary key | UINT NOT NULL |
| bd_db_site | Foreign key reference to Blob_Data_Type.bd_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| bd_db_id | Foreign key reference to Blob_Data_Type.bd_db_id, Included in composite primary key | UINT NOT NULL |
| bd_type_code | Foreign key reference to Blob_Data_Type.bd_type_code, Included in composite primary key | UINT NOT NULL |
| ordering_seq | Included in composite primary key | UINT NOT NULL |
| blct_db_site | Foreign key reference to Blob_Content_Type.blct_db_site | HEXSTRING(16) NOT NULL |
| blct_db_id | Foreign key reference to Blob_Content_Type.blct_db_id | UINT NOT NULL |
| blc_type_code | Foreign key reference to Blob_Content_Type.blc_type_code | UINT NOT NULL |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| assoc_file_name | The Uniform Resource Locator (URL), pointing to actual location of BLOB file if no data is present in image_data attribute. If data is present in image_data, then this attribute provides a default name for the blob if it is to be extracted into a file. | STRING(0:254) |
| image_data | Binary data stored in BASE64 format | BASE64BINARY |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to | UINT |

| | | |
|---------------------|---|---|
| | Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | ord_list_db_site, ord_list_db_id, ord_list_id, ord_list_ord_seq, bd_db_site, bd_db_id, bd_type_code, ordering_seq | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | ord_list_resource (ord_list_db_site, ord_list_db_id, ord_list_id, ordering_seq) | ord_list_db_site, ord_list_db_id, ord_list_id, ord_list_ord_seq |
| | blob_data_type (bd_db_site, bd_db_id, bd_type_code) | bd_db_site, bd_db_id, bd_type_code |
| | blob_content_type (blct_db_site, blct_db_id, blc_type_code) | blct_db_site, blct_db_id, blc_type_code |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |
| | | |

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#573 sg_config_ord_list_history

Description: Tracks Ordered Lists such as Bill of Materiel Associated with a Segment Throughout Its Life

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|---|
| segment_site | Foreign key reference to Segment.segment_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| segment_id | Foreign key reference to Segment.segment_id, Included in composite primary key | UINT NOT NULL |
| ord_list_db_site | Foreign key reference to Ordered_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Ordered_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Ordered_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| gmt_start | Starting time when valid, Included in composite primary key | DATETIME(19:29) NOT NULL |
| gmt_end | Ending time valid | DATETIME(19:29) |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | segment_site, segment_id, ord_list_db_site, ord_list_db_id, ord_list_id, gmt_start | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | segment (segment_site, segment_id) | segment_site, segment_id |
| | ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id) | ord_list_db_site, ord_list_db_id, ord_list_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

#574 as_config_ord_list_history

Description: Tracks Ordered Lists such as Bill of Materiel Associated with an Asset Throughout Its Life

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|---|
| asset_org_site | Foreign key reference to Asset.asset_org_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| asset_id | Foreign key reference to Asset.asset_id, Included in composite primary key | UINT NOT NULL |
| ord_list_db_site | Foreign key reference to Ordered_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Ordered_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Ordered_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| gmt_start | Starting time when valid, Included in composite primary key | DATETIME(19:29) NOT NULL |
| gmt_end | Ending time valid | DATETIME(19:29) |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | asset_org_site, asset_id, ord_list_db_site, ord_list_db_id, ord_list_id, gmt_start | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |
| | asset (asset_org_site, asset_id) | asset_org_site, asset_id |
| | ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id) | ord_list_db_site, ord_list_db_id, ord_list_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
| | row_status_type (rstat_type_cod) | rstat_type_code |

#575 md_config_ord_list_history

Description: Tracks Ordered Lists such as Bill of Materiel Associated with a Model Throughout Its Life

| <u>Attribute</u> | <u>Description</u> | <u>Size/Type</u> |
|---------------------|---|--------------------------|
| model_db_site | Foreign key reference to Model.model_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| model_db_id | Foreign key reference to Model.model_db_id, Included in composite primary key | UINT NOT NULL |
| model_id | Foreign key reference to Model.model_id, Included in composite primary key | UINT NOT NULL |
| ord_list_db_site | Foreign key reference to Ordered_List.ord_list_db_site, Included in composite primary key | HEXSTRING(16) NOT NULL |
| ord_list_db_id | Foreign key reference to Ordered_List.ord_list_db_id, Included in composite primary key | UINT NOT NULL |
| ord_list_id | Foreign key reference to Ordered_List.ord_list_id, Included in composite primary key | UINT NOT NULL |
| gmt_start | Starting time when valid, Included in composite primary key | DATETIME(19:29) NOT NULL |
| gmt_end | Ending time valid | DATETIME(19:29) |
| user_tag_ident | Short user-defined tag/identifier | STRING(0:254) |
| name | Full user-defined name/description | STRING(0:254) |
| gmt_last_updated | UTC/GMT timestamp for the last change to this record | DATETIME(19:29) |
| last_upd_db_site | Foreign key reference to Site_Database.db_site which identifies the database creating/updating/soft deleting this entry | HEXSTRING(16) |
| last_upd_db_id | Foreign key reference to Site_Database.db_id which identifies the database creating/updating/soft deleting this entry | UINT |
| rstat_type_code | Foreign key reference to Row_Status_Type.rstat_type_cod which determines the status of this entry | USHORT |
| | | |
| <u>Primary Key</u> | <u>Attribute(s)</u> | |
| | model_db_site, model_db_id, model_id, ord_list_db_site, ord_list_db_id, ord_list_id, gmt_start | |
| | | |
| <u>Foreign Keys</u> | <u>Foreign Entity (Attribute(s))</u> | <u>Attribute(s)</u> |

| | | |
|--|--|---|
| | model (model_db_site, model_db_id, model_id) | model_db_site, model_db_id, model_id |
| | ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id) | ord_list_db_site, ord_list_db_id, ord_list_id |
| | site_database (db_site, db_id) | last_upd_db_site, last_upd_db_id |
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