

# **Common Relational Information Schema CRIS Version 2.2**

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## **Introduction**

This document describes the design of MIMOSA's OSA-EAI Common Relational Information Schema (CRIS).

## **Data Types**

For CRIS V2.2, data types are defined using the following XML primitive data types:

<u>Data Type</u>	<u>Description</u>
STRING(X)	Character string data of fixed length X
STRING(0:X)	Character string data of variable length, minimum 0 length, maximum X length
BASE64BINARY	Long variable-length binary data (picture files, abstract data, etc)
SHORT	Short signed integer; 16 bits (-32,768 to 32,767)
INT	Long signed integer; 32 bits (-2147483648 to 2147483647)
DOUBLE	Floating point data; 64 bits
DATETIME(10:29)	<p>Date/time in the following ISO 8601 variable length character form: YYYY-MM-DDThh:mm:ss.fffffff</p> <p>where:</p> <ul style="list-style-type: none"><li>YYYY = four-digit year</li><li>MM = two-digit month (01=January, etc.)</li><li>DD = two-digit day of month (01 through 31)</li><li>hh = two digits of hour (00 through 23) (am/pm NOT allowed)</li><li>T = literal "T" character</li><li>mm = two digits of minute (00 through 59)</li><li>ss = two digits of second (00 through 59)</li><li>fffffff = represents a decimal fraction of a second to the billionth of a second</li></ul> <p>Year, month, and day must be specified. Additional timestamp content should be provided, if known. Zeros will be assumed for the omitted values. Negative DATETIME is not supported. All suffixes after the 29<sup>th</sup> character provided in the ISO 8601 specification, such as "Z" (representing Coordinated Universal Time (UTC), are not necessary since the CRIS specification explicitly manages local offset hours and minutes as distinct columns associated with the UTC (referred to in the CRIS specification prefixed with "GMT") column.</p> <p>Note that the actual difference between the new DATETIME(10:29) 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 ("-"), and trailing items after the year-month-day fields may be omitted.</p>

## Normalization

Normalization is the process of determining the correct location and function of each data element (columns) within the relations (tables). There are 5 sets of rules governing different levels of normalization, designated as 1<sup>st</sup> through 5<sup>th</sup> Normal Form.

1<sup>st</sup> Normal Form indicates that a relation (table) have atomic values for each data element, that each column in a row will consist of only one data type and value. It is generally accepted that SQL database tables automatically satisfy 1<sup>st</sup> normal form.

2<sup>nd</sup> Normal Form states that every non-key column must depend on the entire primary key, preventing non-coincidentally repeating sets of data that could threaten consistency. For example, a table that was used to hold data of 2 types, and that required duplicates of type 1 data to handle multiples of type 2 data would violate 2<sup>nd</sup> normal form. The proper solution would be to separate the tables and maintain the relationship by use of a common key.

3<sup>rd</sup> Normal Form states that each non-key column must contain data relevant only to the key, not to another non-key column. Violation of this rule can again lead to non-coincidentally repetitive data, making consistency difficult to achieve. Essentially, 2<sup>nd</sup> and 3<sup>rd</sup> normal form ensure that each data element is stored in only one place in the entire database.

4<sup>th</sup> Normal Form attempts to further eliminate repeating sets of data within rows of tables by disallowing one-to-many relationships between non-key columns and keys columns in the same table. For example, a table containing peoples names and addresses and their pet's name could violate 4<sup>th</sup> normal form. Such a table could contain repeating 'blanks' for all those people listed that do not own pets, even though it meets the requirements of 2<sup>nd</sup> and 3<sup>rd</sup> normal form.

A solution satisfying 4<sup>th</sup> normal form is to have a second table containing the pet names having the same key as the name and address table.

5<sup>th</sup> Normal Form takes the concept of normalization to its end, demanding that all tables be broken into the smallest possible pieces to eliminate all redundancy.

The goal of the CRIS database design is to approach 4<sup>th</sup> normal form as closely as is possible, and practical. It is important to remember that any given level of normalization is a guideline, not an absolute requirement. Ideally, any given design should try to strike a balance between redundant data, redundant keys, and data storage and retrieval constraints. It is not desirable to produce a perfectly normalized database if it results in large storage requirements and poor performance.

It should also be noted that normalization does not automatically prevent referential corruption ('orphaned' records, etc.). However, it does make maintaining proper referential links much easier.

Source for normalization rules: 'Database Design: The Relational Rules', David R. McClanahan, DBMS magazine 11/91; 'The Practical SQL Handbook', Emerson, Darnovsky, Bowman, Addison-Wesley Publishing 1989.

## **Site Tables**

### **#13    site**

**Description: Site Table**

The site table holds information about the physical business location in the world where assets or agents reside, and where objects which are being monitored exist and databases reside.

- Note: For all for-profit businesses, the site code is the D-U-N-S number of the location – a randomly-generated nine-digit number assigned by Dunn & Bradstreet. The D-U-N-S number is based on a coding system called the Data Universal Numbering System, hence it's name "D-U-N-S". This code is used to identify 38 million current and former business locations throughout the world. Each location of a company is assigned a unique D-U-N-S number which does not change and will not be reassigned if the location closes. To determine your location's D-U-N-S number, please call Dunn & Bradstreet Information Resources Customer Service at 1-800-333-0505. This is a free service.
- Note: The model stores the D-U-N-S number as an integer, which does not preserve the leading zeros in the D-U-N-S number. To display the number to a user, left pad the number with zeros to 9 digits.
- Note: For non-profit and government locations, you will need to have a MIMOSA number assigned. A group of numbers will be assigned to your corporate organization. A representative from your corporate organization should e-mail the MIMOSA Technical Director [info@mimosa.org](mailto:info@mimosa.org) with the name of your organization, the number of locations in your organization, your name, title, and phone number. You will be sent a range of MIMOSA numbers (all over 999,999,999) which you can then assign to each of your organizations.
- Note: A negative D-U-N-S number can be used for temporary assignment when no correct D-U-N-S number is available. This should not be used permanently because the integration of multiple site data will later be troublesome, i.e., both sites export with the D-U-N-S number of -1.
- Note: The last\_upd\_db\_site, last\_upd\_db\_id columns are included in all tables, except tables managed and populated by MIMOSA, to store the database site and the DB identifier which made the insert or last update to each row. This is a foreign key to the site\_database table, but we cannot define this relationship because the table is not yet created.
- 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: On address lines, line breaks are denoted by a backslash (“\”) character.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
site_code	Unique D-U-N-S identifier for each business location or a MIMOSA-assigned number.	INT NOT NULL
company_name	Company description	STRING(0:254) NOT NULL
site_name	Site description	STRING(0:254) NOT NULL
phys_addr		STRING(0:254)
phys_city_name		STRING(0:60)
phys_state_abbr		STRING(2)
phys_postal_code		STRING(0:10)
phys_country_abb		STRING(3)
mail_addr		STRING(0:254)
mail_city_name		STRING(0:60)
mail_state_abbr		STRING(2)
mail_postal_code		STRING(0:10)
mail_country_abb		STRING(3)
us_ph_number		STRING(10)
int_ph_contry_no		STRING(0:3)
int_ph_city_no		STRING(0:5)
int_ph_local_no		STRING(0:10)
us_fax_number		STRING(10)
int_fax_cntry_no		STRING(0:3)
int_fax_city_no		STRING(0:5)
int_fax_local_no		STRING(0:10)
business_desc		STRING(0:254)
primary_sic		STRING(0:8)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	site_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## **Database Tables**

### **#15 site\_database**

**Description: Site Database Table**

This table holds information about the machinery databases located at the site. It requires a unique db\_id to exist for each database. This allows for databases to be merged.

Note: The vendor of the database is stored as a foreign key in the mf\_db\_site, mf\_db\_id, mf\_duns\_code rows which relates to the MANUFACTURER table defined below. We cannot define it as a foreign key because the table is not yet created, though indeed it is.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
db_site	Unique D-U-N-S identifier for each business location or a MIMOSA-assigned number.	INT NOT NULL
db_id	Unique index for this database on the designated site	INT NOT NULL
name	Database description	STRING(0:254) NOT NULL
mf_db_site	Unique D-U-N-S identifier for each business location or a MIMOSA-assigned number of the vendor supplying the database	INT
mf_db_id	Unique index for the database at the vendor's site	INT
mf_duns_code	Unique D-U-N-S identifier for each business location or a MIMOSA-assigned number of the vendor supplying the database	INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	db_site, db_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site</a> (site_code)	db_site
	<a href="#">row status type</a> (rstat_type_cod)	rstat_type_code

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**#328 db\_mim\_interface****Description: MIMOSA Interfaces Supported By A Database**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
db_site		INT NOT NULL
db_id		INT NOT NULL
interf_type_code		INT NOT NULL
gmt_last_refresh	Timestamp of last refresh date, if applicable	DATETIME(10:29)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	db_site, db_id, interface_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	db_site, db_id
	<a href="#">mim_interface_type</a> (interf_type_code)	interf_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## **Reference Tables**

### **#12 row\_status\_type**

**Description: Row Status Type Code**

The row status code is a foreign key in every other table 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 table. No user-defined entries are supported

Note: The gmt\_last\_updated column is in every table 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(10:29) 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>Column</u>	<u>Description</u>	<u>Size/Type</u>
rstat_type_cod	Row status type code	SHORT NOT NULL
name	Full description	STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	rstat_type_cod	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>

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## #16 manufacturer

**Description:** This table provides basic contact information for the manufacturers list.

Note: MIMOSA maintains the site zero (mf\_db\_site = 0) entries in this table. A database can add entries to this table, but must insert the database's primary key in mf\_db\_site and mf\_db\_id columns and then enter the manufacturer's corporate D-U-N-S number in the mf\_duns\_code column. If this is not known, negative numbers can be generated.

Note: mf\_duns\_code is the D-U-N-S number of the corporate office of the manufacturer of the object.

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

Column	Description	Size/Type
mf_db_site		INT NOT NULL
mf_db_id		INT NOT NULL
mf_duns_code		INT NOT NULL
manuf_trade_name		STRING(0:254) NOT NULL
company_name		STRING(0:254) NOT NULL
phys_addr		STRING(0:254)
phys_city_name		STRING(0:30)
phys_state_abbr		STRING(2)
phys_postal_code		STRING(0:10)
phys_country_abbr		STRING(3)
mail_addr		STRING(0:254)
mail_city_name		STRING(0:60)
mail_state_abbr		STRING(2)
mail_postal_code		STRING(10)
mail_country_abbr		STRING(3)
us_phone_number		STRING(10)
int_ph_country_no		STRING(0:3)
int_ph_city_no		STRING(0:5)
int_ph_local_no		STRING(0:10)
us_fax_number		STRING(10)
int_fax_country_no		STRING(0:3)
int_fax_city_no		STRING(0:5)
int_fax_local_no		STRING(0:10)
business_desc		STRING(0:254)
primary_sic		STRING(0:8)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which	INT



	this record was resident when the last change was made to this record	
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	mf_db_site, mf_db_id, mf_duns_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	mf_db_site, mf_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #17 segment\_type

### Description: Service Segment Type Table

This table 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 (0,1,0)

Note: MIMOSA populates and maintains the site zero (sg\_db\_site = 0) entries in this table.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_db_site		INT NOT NULL
sg_db_id		INT NOT NULL
sg_type_code		INT NOT NULL
name	Full description	STRING(0:254) NOT NULL
default_mnemonic		STRING(3)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	sg_db_site, sg_db_id, sg_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	sg_db_site, sg_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #22 ref\_unit\_type

### Description: Reference Unit Type Table

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ru_type_code		INT NOT NULL
name	Full description	STRING(0:254) NOT NULL
physics_descr		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	ru_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #23 eng\_unit\_type

### Description: Engineering Unit Type

Note: MIMOSA populates and maintains the site zero (eu\_db\_site = 0) entries in this table. To convert between units, a multiplication factor from reference plus an offset scalar is provided in the columns mult\_fact\_to\_ref and refer\_off\_to\_ref, respectively.

$$Y[\text{eng units}] = (X[\text{ref units}] * \text{mult\_fact\_to\_ref}) + \text{refer\_off\_to\_ref}$$

$$Y[\text{ref units}] = (X[\text{eng units}] - \text{refer\_off\_to\_ref}) / \text{mult\_fact\_to\_ref}$$

Column	Description	Size/Type
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
ru_type_code		INT NOT NULL
mult_fact_to_ref		DOUBLE NOT NULL
refer_off_to_ref		DOUBLE NOT NULL
name	Full description	STRING(0:254) NOT NULL
abbrev		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	eu_db_site, eu_db_id, eu_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	eu_db_site, eu_db_id
	<a href="#">ref_unit_type</a> (ru_type_code)	ru_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #24 eng\_unit\_enum

### Description: Engineering Unit Enumerated List Table

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		INT NOT NULL
data_name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	eu_db_site, eu_db_id, eu_type_code, data_value	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">eng_unit_type</a> (eng_db_site, eng_db_id, eng_type_code)	eng_db_site, eng_db_id, eng_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #25 sg\_num\_dat\_type

### Description: Segment Numeric Data Type Table

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

Note: MIMOSA maintains the site zero (sn\_db\_site = 0) entries in this table.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sn_db_site		INT NOT NULL
sn_db_id		INT NOT NULL
sn_type_code		INT NOT NULL
name	Full description	STRING(0:254) NOT NULL
default_ru_type		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	sn_db_site, sn_db_id, sn_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	sn_db_site, sn_db_id
	<a href="#">ref_unit_type</a> (ru_type_code)	default_ru_type
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #26    **sg\_chr\_dat\_type**

### **Description: Segment Character Data Type Table**

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

Note: MIMOSA maintains the site zero (sc\_db\_site = 0) in this table.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sc_db_site		INT NOT NULL
sc_db_id		INT NOT NULL
sc_type_code		INT NOT NULL
name	Full description	STRING(0:254) NOT NULL
default_ru_type		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	sc_db_site, sc_db_id, sc_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	sc_db_site, sc_db_id
	<a href="#">ref_unit_type</a> (ru_type_code)	default_ru_type
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #29 sg\_as\_event\_type

### Description: Segment / Asset Event Type Table

This table 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 site zero (ev\_db\_site = 0) entries in this table.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ev_db_site		INT NOT NULL
ev_db_id		INT NOT NULL
event_type_code	Event type code	INT NOT NULL
name	Full description	STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	ev_db_site, ev_db_id, event_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	ev_db_site, ev_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #31    **asset\_type**

### **Description: Asset Type Table**

Note: MIMOSA populates and maintains the site zero (as\_db\_site = 0) entries in this table.

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_db_site		INT NOT NULL
as_db_id		INT NOT NULL
as_type_code		INT NOT NULL
name	Full description	STRING(0:254) NOT NULL
default_mnemonic		STRING(3)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	as_db_site, as_db_id, as_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	as_db_site, as_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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### #33 as\_num\_dat\_type

**Description: Asset Numeric Data Type Table**

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

Note: MIMOSA maintains the site zero (an\_db\_site = 0) entries in this table.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
an_db_site		INT NOT NULL
an_db_id		INT NOT NULL
an_type_code		INT NOT NULL
name	Full description	STRING(0:254) NOT NULL
default_ru_type		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	an_db_site, an_db_id, an_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	an_db_site, an_db_id
	<a href="#">ref_unit_type</a> (ru_type_code)	default_ru_type
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #34 as\_chr\_dat\_type

### Description: Asset Character Data Type Table

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

Note: MIMOSA maintains the site zero (ac\_db\_site = 0) in this table.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ac_db_site		INT NOT NULL
ac_db_id		INT NOT NULL
ac_type_code		INT NOT NULL
name	Full description	STRING(0:254) NOT NULL
default_ru_type		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	ac_db_site, ac_db_id, ac_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	ac_db_site, ac_db_id
	<a href="#">ref_unit_type</a> (ru_type_code)	default_ru_type
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #46 tr\_axis\_dir\_type

### Description: Transducer Sensitive Axis Direction Type Table

This table 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 site zero (ta\_db\_site = 0) entries in this table.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ta_db_site		INT NOT NULL
ta_db_id		INT NOT NULL
ta_type_code		INT NOT NULL
name	Full description	STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	ta_db_site, ta_db_id, ta_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	ta_db_site, ta_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #51 data\_source\_type

### Description: Data Source Type Table

Note: MIMOSA populates and maintains the site zero (ds\_db\_site = 0) entries in this table.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ds_db_site		INT NOT NULL
ds_db_id		INT NOT NULL
ds_type_code		INT NOT NULL
name	Full description	STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	ds_db_site, ds_db_id, ds_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	ds_db_site, ds_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #53 trans\_type

### Description: Transducer Type Table

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

Note: The tr\_type\_abbrev field is an optional 2-character abbreviation for the transducer type as defined for vibration in MIMOSA Document MIM-VB-001.

Note: MIMOSA populates and maintains the site zero (tr\_db\_site = 0) entries in this table.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
tr_db_site		INT NOT NULL
tr_db_id		INT NOT NULL
tr_type_code		INT NOT NULL
name	Full description	STRING(0:254) NOT NULL
tr_type_abbrev		STRING(2)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	tr_db_site, tr_db_id, tr_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">asset_type</a> (as_db_site, as_db_id, as_type_code)	tr_db_site, tr_db_id, tr_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #55 meas\_loc\_type

### Description: Measurement Location Type Table

This table stores all the various types of measurement locations.

Note: MIMOSA populates and maintains all site zero (ml\_db\_site = 0) entries in this table.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ml_db_site		INT NOT NULL
ml_db_id		INT NOT NULL
ml_type_code		INT NOT NULL
name	Full description	STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	ml_db_site, ml_db_id, ml_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	ml_db_site, ml_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #60 alarm\_severity

### Description: Alarm Severity Table

This table stores the entries possible for alarm severity.

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
al_severity_rank		SHORT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	al_severity_rank	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #61 alarm\_type

### Description: Alarm Type Table

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

Note: MIMOSA populates and maintains the site zero (al\_db\_site = 0) entries for this table

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
al_db_site		INT NOT NULL
al_db_id		INT NOT NULL
al_type_code		INT NOT NULL
al_severity_rank		SHORT NOT NULL
name	Full description	STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	al_db_site, al_db_id, al_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	al_db_site, al_db_id
	<a href="#">alarm_severity</a> (al_severity_rank)	al_severity_rank
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #64 signal\_proc\_type

Description: Signal Process Type Table

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

Note: MIMOSA maintains the site zero (sp\_db\_site = 0) entries in this table.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sp_db_site		INT NOT NULL
sp_db_id		INT NOT NULL
sp_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	sp_db_site, sp_db_id, sp_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	sp_db_site, sp_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #66 sp\_num\_dat\_type

### Description: Signal Process Block Numeric Data Type Table

This table 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 tables.

Note: MIMOSA populates and maintains the site zero (spn\_db\_site = 0) entries for this table

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
spn_db_site		INT NOT NULL
spn_db_id		INT NOT NULL
spn_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	spn_db_site, spn_db_id, spn_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	spn_db_site, spn_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #70      average\_type

### Description: Average Type Table

This table stores different types of signal processing averaging methods

Note: MIMOSA maintains the site zero (ave\_db\_site = 0) entries in this table.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ave_db_site		INT NOT NULL
ave_db_id		INT NOT NULL
ave_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	ave_db_site, ave_db_id, ave_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	ave_db_site, ave_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #71 ave\_weight\_type

### Description: Average Weight Type Table

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

Note: MIMOSA maintains the site zero (ave\_wt\_db\_site = 0) entries in this table.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ave_wt_db_site		INT NOT NULL
ave_wt_db_id		INT NOT NULL
ave_wt_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	ave_wt_db_site, ave_wt_db_id, ave_wt_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	ave_wt_db_site, ave_wt_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #72    ave\_synch\_type

### Description: Average Synchronization Type Table

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

Note: MIMOSA maintains the site zero (ave\_sy\_db\_site = 0) entries in this table.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ave_sy_db_site		INT NOT NULL
ave_sy_db_id		INT NOT NULL
ave_sy_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	ave_sy_db_site, ave_sy_db_id, ave_sy_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	ave_sy_db_site, ave_sy_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #73 src\_detect\_type

### Description: Source Signal Detector Type Table

This table stores different source signal detector types

Note: MIMOSA maintains the site zero (src\_dt\_db\_site = 0) entries in this table

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
src_dt_db_site		INT NOT NULL
src_dt_db_id		INT NOT NULL
src_dt_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	src_dt_db_site, src_dt_db_id, src_dt_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	src_dt_db_site, src_dt_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #74 post\_scaling\_type

### Description: Post-processed Signal Processing Scaling Mode Table

This table stores different types of signal processing scaling methods

Note: MIMOSA maintains the site zero (src\_dt\_db\_site = 0) entries in this table

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
pst_sc_db_site		INT NOT NULL
pst_sc_db_id		INT NOT NULL
pst_sc_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	pst_sc_db_site, pst_sc_db_id, pst_sc_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	pst_sc_db_site, pst_sc_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #80 window\_type

### Description: Window Type Table

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

Note: The pf\_multiplier column is the power factor multiplier for the window

Note: MIMOSA maintains the site zero (win\_db\_site = 0) entries in this table.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
win_db_site		INT NOT NULL
win_db_id		INT NOT NULL
win_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
pf_multiplier		DOUBLE NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	win_db_site, win_db_id, win_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	win_db_site, win_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #88 data\_qual\_type

### Description: Data Quality Type Table

The data quality type defines the various quality states with which data in tables 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 table. No user-defined entries are supported.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
dqual_type_code		SHORT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	dqual_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #98 segment\_type\_child

### Description: Segment Type Child Table

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_db_site		INT NOT NULL
sg_db_id		INT NOT NULL
sg_type_code		INT NOT NULL
child_sg_db_site		INT NOT NULL
child_sg_db_id		INT NOT NULL
child_sg_type_code		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(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
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #99    **asset\_type\_child**

### **Description: Asset Type Child Table**

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_db_site		INT NOT NULL
as_db_id		INT NOT NULL
as_type_code		INT NOT NULL
child_as_db_site		INT NOT NULL
child_as_db_id		INT NOT NULL
child_as_type_code		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">asset_type</a> (as_db_site, as_db_id, as_type_code)	as_db_site, as_db_id, as_type_code
	<a href="#">asset_type</a> (as_db_site, as_db_id, as_type_code)	child_as_db_site, child_as_db_id, child_as_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#103 severity\_type****Description: Severity Types**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
severity_rank		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	severity_rank	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#104 health\_grade\_type****Description: Health Grade Type Table**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
hgrade_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	hgrade_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #106 priority\_type

### Description: Priority Type Table

This table maintains the levels of priority for Recommendations and Work Requests

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
priority_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	priority_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#107 ev\_num\_data\_type****Description: Segment / Asset Event Numeric Data Type**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
en_db_site		INT NOT NULL
en_db_id		INT NOT NULL
en_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	en_db_site, en_db_id, en_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	en_db_site, en_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #108 work\_task\_type

### Description: Work Task Types Table

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
task_db_site		INT NOT NULL
task_db_id		INT NOT NULL
task_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	task_db_site, task_db_id, task_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	task_db_site, task_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#109 agent\_type****Description: Agent Type Table**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
agent_db_site		INT NOT NULL
agent_db_id		INT NOT NULL
agent_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	agent_db_site, agent_db_id, agent_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	agent_db_site, agent_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #110 agent\_role\_type

### Description: Agent Role Type Table

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ag_role_db_site		INT NOT NULL
ag_role_db_id		INT NOT NULL
ag_role_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	ag_role_db_site, ag_role_db_id, ag_role_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	ag_role_db_site, ag_role_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #119 work\_audit\_type

### Description: Work Audit Type Table

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
waudit_db_site		INT NOT NULL
waudit_db_id		INT NOT NULL
waudit_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	waudit_db_site, waudit_db_id, waudit_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	waudit_db_site, waudit_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #121 event\_type\_child

### Description: Event Type Child Table

This table 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>Column</u>	<u>Description</u>	<u>Size/Type</u>
ev_db_site		INT NOT NULL
ev_db_id		INT NOT NULL
event_type_code		INT NOT NULL
child_ev_db_site		INT NOT NULL
child_ev_db_id		INT NOT NULL
child_event_type_code		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sg_as_event_type</a> (ev_db_site, ev_db_id, event_type_code)	ev_db_site, ev_db_id, event_type_code
	<a href="#">sg_as_event_type</a> (ev_db_site, ev_db_id, event_type_code)	child_ev_db_site, child_ev_db_id, child_event_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #128 work\_manage\_type

### Description: Work Management Types Table

This table stores types of work management work requests & work orders

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
wm_type_db_site		INT NOT NULL
wm_type_db_id		INT NOT NULL
wm_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	wm_type_db_site, wm_type_db_id, wm_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	wm_type_db_site, wm_type_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #150 wtask\_type\_child

### Description: Work Task Type Child Table

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

Column	Description	Size/Type
task_db_site		INT NOT NULL
task_db_id		INT NOT NULL
task_type_code		INT NOT NULL
child_tk_db_site		INT NOT NULL
child_tk_db_id		INT NOT NULL
child_tk_type_code		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">work_task_type</a> (task_db_site, task_db_id, task_type_code)	task_db_site, task_db_id, task_type_code
	<a href="#">work_task_type</a> (task_db_site, task_db_id, task_type_code)	child_tk_db_site, child_tk_db_id, child_tk_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #151 change\_patt\_type

### Description: Change Pattern Type Table

This table maintains the types of change pattern observed in problems

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ch_patt_db_site		INT NOT NULL
ch_patt_db_id		INT NOT NULL
ch_patt_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	ch_patt_db_site, ch_patt_db_id, ch_patt_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	ch_patt_db_site, ch_patt_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #160 sample\_test\_type

### Description: Sample Test Type Table

This table defines types of Oil / Water / Fluid / Air / Gas / Solid sample tests

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
stt_db_site		INT NOT NULL
stt_db_id		INT NOT NULL
stt_code		INT NOT NULL
abbrev		STRING(0:254)
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	stt_db_site, stt_db_id, stt_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	stt_db_site, stt_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #161 test\_result\_ntype

### Description: Test Results Numeric Data Type

This table maintains numeric results for Oil / Water / Fluid / Air / Gas / Solid / Electrical tests

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
strn_db_site		INT NOT NULL
strn_db_id		INT NOT NULL
str_num_type_code		INT NOT NULL
abbrev		STRING(0:254)
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	strn_db_site, strn_db_id, str_num_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	strn_db_site, strn_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #162 blob\_data\_type

### Description: BLOB Data Type Table

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
bd_db_site		INT NOT NULL
bd_db_id		INT NOT NULL
bd_type_code		INT NOT NULL
abbrev		STRING(0:254)
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	bd_db_site, bd_db_id, bd_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	bd_db_site, bd_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #167 test\_result\_btype

### Description: Test Results Binary Large Object Data Type

This table maintains BLOB form results for Oil / Water / Fluid / Air / Gas  
/ Solid / Electrical tests

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
strb_db_site		INT NOT NULL
strb_db_id		INT NOT NULL
str_blob_type_code		INT NOT NULL
abbrev		STRING(0:254)
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	strb_db_site, strb_db_id, str_blob_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	strb_db_site, strb_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #170 work\_num\_data\_type

### Description: Work Numeric Data Type Table

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
wn_db_site		INT NOT NULL
wn_db_id		INT NOT NULL
wn_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	wn_db_site, wn_db_id, wn_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	wn_db_site, wn_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #171 work\_chr\_data\_type

### Description: Work Character Data Type Table

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
wc_db_site		INT NOT NULL
wc_db_id		INT NOT NULL
wc_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	wc_db_site, wc_db_id, wc_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	wc_db_site, wc_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #182 solution\_pack\_type

### Description: Solution Package Type Table

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sol_db_site		INT NOT NULL
sol_db_id		INT NOT NULL
sol_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	sol_db_site, sol_db_id, sol_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	sol_db_site, sol_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #212 sample\_ndata\_type

**Description: Sample Numeric Data Type**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
snum_db_site		INT NOT NULL
snum_db_id		INT NOT NULL
snum_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	snum_db_site, snum_db_id, snum_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	snum_db_site, snum_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #215 mim\_tech\_type

### Description: Types of MIMOSA Technology

This table identifies all technology types of the MIMOSA database.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
tech_type_code		INT NOT NULL
abbrev		STRING(0:40)
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	tech_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #216 mim\_support\_type

### Description: MIMOSA Support Levels

This table identifies support levels for the MIMOSA database.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
supp_type_code		INT NOT NULL
abbrev		STRING(0:40)
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	supp_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #217 mim\_data\_cat\_type

### Description: MIMOSA Data Categories

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
dcat_type_code		INT NOT NULL
abbrev		STRING(0:40)
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	dcat_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#261 sp\_stream\_type****Description: Signal Process Stream Type Table**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sps_type_db_site		INT NOT NULL
sps_type_db_id		INT NOT NULL
sps_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	sps_type_db_site, sps_type_db_id, sps_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	sps_type_db_site, sps_type_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#283 network\_type****Description: Network Type Table**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
nt_db_site		INT NOT NULL
nt_db_id		INT NOT NULL
nt_type_code		INT NOT NULL
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	nt_db_site, nt_db_id, nt_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	nt_db_site, nt_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#286 test\_result\_ctype****Description: Test Results Character Data Type**

This table maintains character data results for Oil / Water / Fluid / Air /  
Gas / Solid / Electrical tests

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
strc_db_site		INT NOT NULL
strc_db_id		INT NOT NULL
str_chr_type_code		INT NOT NULL
abbrev		STRING(0:254)
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	strc_db_site, strc_db_id, str_chr_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	strc_db_site, strc_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#290 sample\_cdata\_type****Description: Sample Character Data Type**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
schr_db_site		INT NOT NULL
schr_db_id		INT NOT NULL
schr_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	schr_db_site, schr_db_id, schr_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	schr_db_site, schr_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#291 mevent\_blob\_type****Description: Measurement Event Binary Large Object Type**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
mebt_db_site		INT NOT NULL
mebt_db_id		INT NOT NULL
meb_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	mebt_db_site, mebt_db_id, meb_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	mebt_db_site, mebt_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #292 highlight\_type

### Description: Highlight Type Table

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
high_db_site		INT NOT NULL
high_db_id		INT NOT NULL
high_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	high_db_site, high_db_id, high_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	high_db_site, high_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#323 purchase\_cond\_type****Description: Purchase Condition Type**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
pc_db_site		INT NOT NULL
pc_db_id		INT NOT NULL
pc_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	pc_db_site, pc_db_id, pc_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	pc_db_site, pc_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#324 as\_readiness\_type****Description: Asset Readiness Type**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asr_db_site		INT NOT NULL
asr_db_id		INT NOT NULL
asr_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
description		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	asr_db_site, asr_db_id, asr_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	asr_db_site, asr_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#325 mloc\_calc\_type****Description: Measurement Location Data Collection Type**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
mc_db_site		INT NOT NULL
mc_db_id		INT NOT NULL
mc_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
description		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	mc_db_site, mc_db_id, mc_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	mc_db_site, mc_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#326 mim\_func\_type****Description: MIMOSA Functionality Type**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
func_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	func_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #327 mim\_interface\_type

**Description:** MIMOSA Interface Type

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
interf_type_code		INT NOT NULL
dcat_type_code		INT NOT NULL
supp_type_code		INT NOT NULL
func_type_code		INT NOT NULL
tech_type_code		INT NOT NULL
version_supported		SHORT NOT NULL
subversion_supp		SHORT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	interf_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">mim_data_cat_type</a> (dcat_type_code)	dcat_type_code
	<a href="#">mim_support_type</a> (supp_type_code)	supp_type_code
	<a href="#">mim_func_type</a> (func_type_code)	func_type_code
	<a href="#">mim_tech_type</a> (tech_type_code)	tech_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #329 mloc\_type\_child

### Description: Measurement Location Type Child Table

The mloc\_type\_child table 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.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ml_db_site		INT NOT NULL
ml_db_id		INT NOT NULL
ml_type_code		INT NOT NULL
child_ml_db_site		INT NOT NULL
child_ml_db_id		INT NOT NULL
child_ml_type_code		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">meas_loc_type</a> (ml_db_site, ml_db_id, ml_type_code)	ml_db_site, ml_db_id, ml_type_code
	<a href="#">meas_loc_type</a> (ml_db_site, ml_db_id, ml_type_code)	child_ml_db_site, child_ml_db_id, child_ml_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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### #333 blob\_content\_type

**Description: Blob Content Type Table**

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
blct_db_site		INT NOT NULL
blct_db_id		INT NOT NULL
blc_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	blct_db_site, blct_db_id, blc_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	blct_db_site, blct_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## **Service Segment / Location Tables**

### **#18    segment**

#### **Description: Service Segment Table**

This table stores all the service segments which have been designed to perform a function at a site. Service segments include 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 segments include components which perform a function (e.g. Turbine-driven pump 1A, Motor outboard bearing, etc.) but do NOT describe the particular asset tracked by the manufacturer, model number, and serial number in the database. This is done in the asset table. Some databases track only data tied to service segments such as a machine train component, but do not tie the measurement data to the physical component assets installed at the time the data was taken. These databases cannot track, for example, a physical motor which is taken out of one machine train, cleaned, and then later used in another train. Other systems track physical assets and tie measurements to them. In order to provide maximum flexibility, this model allows both functional segment objects at a site and physical objects at a site to be placed in the database and data can be related to both as necessary. Table #44 (asset\_on\_segment) stores the utilization of a particular asset on a given segment with the time it was installed and removed.

The segment\_child table shows the parent-child relationships of segments to each other. For example, segment “Steam Turbine” at site “ABC” is the child of segment “Turbine Generator #1” which is the child of segment “Power Generation Line #1”. The model allows for more than one segment to be the child of more than one segment.

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: Segment\_id is used like a barcode – to assign a unique, non-changeable identifier since a primary key cannot change and must uniquely define the entity. The user\_tag\_ident field is the identifier which is meaningful to the plant.

Note: Computer systems monitoring or recording information on the same segment should utilize the same segment\_site, segment\_id pair.

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 column is mandatory.

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INT NOT NULL
segment_id		INT NOT NULL
sg_db_site		INT NOT NULL
sg_db_id		INT NOT NULL
sg_type_code		INT NOT NULL
segment_group_yn		STRING(1) NOT NULL
user_tag_ident		STRING(0:254) NOT NULL
name	Full description	STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	segment_site, segment_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site</a> (site_code)	segment_site
	<a href="#">segment_type</a> (sg_db_site, sg_db_id, sg_type_code)	sg_db_site, sg_db_id, sg_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #19 segment\_child

### Description: Segment Child Table

The segment\_child table shows the parent-child relationships of segments to each other. For example, segment “Steam Turbine” at site “ABC” is the child of segment “Turbine Generator #1” which is the child of segment “Power Generation Line #1”. The model allows for more than one segment to be the child of more than one segment.

The mandatory ordering sequence specifies the order in which child segments appear when as application requests “all children” of a particular segment. The ordering sequence of machine segments, coupling segments, and bearing segments on a rotating machine train should conform to MIMOSA guidelines as specified in Document MIM-VB-001.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INT NOT NULL
segment_id		INT NOT NULL
child_sg_site		INT NOT NULL
child_sg_id		INT NOT NULL
ordering_seq		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	segment_site, segment_id, child_sg_site, child_sg_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">segment</a> (segment_site, segment_id)	segment_site, segment_id
	<a href="#">segment</a> (segment_site, segment_id)	child_sg_site, child_sg_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #27 segment\_num\_data

### Description: Segment Numeric Data Table

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INT NOT NULL
segment_id		INT NOT NULL
sn_db_site		INT NOT NULL
sn_db_id		INT NOT NULL
sn_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	segment_site, segment_id, sn_db_site, sn_db_id, sn_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">segment</a> (segment_site, segment_id)	segment_site, segment_id
	<a href="#">sg_num_dat_type</a> (sn_db_site, sn_db_id, sn_type_code)	sn_db_site, sn_db_id, sn_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #28 segment\_chr\_data

### Description: Segment Character Data Table

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INT NOT NULL
segment_id		INT NOT NULL
sc_db_site		INT NOT NULL
sc_db_id		INT NOT NULL
sc_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	segment_site, segment_id, sc_db_site, sc_db_id, sc_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">segment</a> (segment_site, segment_id)	segment_site, segment_id
	<a href="#">sc_chr_dat_type</a> (sc_db_site, sc_db_id, sc_type_code)	sc_db_site, sc_db_id, sc_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## **Asset Tables**

### **#32    model**

**Description: Model / Part Number Table (Model Asset)**

This table will store the unique manufacturer and model / part number for a specific type of asset like a turbine, motor , bearing, etc.

Note: The revision number is part of the primary key and is used when a model of a piece of equipment is modified by the manufacturer and specifications will need to be tracked separately for each revision. If no revision information is known, this field should contain zero.

Note: MIMOSA maintains the site zero (mf\_db\_site = 0) entries in this table in order to provide standardized lists of known turbines, bearings, etc.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
mf_db_site		INT NOT NULL
mf_db_id		INT NOT NULL
mf_duns_code		INT NOT NULL
model_number		STRING(0:254) NOT NULL
revision_number		INT NOT NULL
as_db_site		INT NOT NULL
as_db_id		INT NOT NULL
as_type_code		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">manufacturer</a> (mf_db_site, mf_db_id, mf_duns_code)	mf_db_site, mf_db_id, mf_duns_code
	<a href="#">asset_type</a> (as_db_site, as_db_id, as_type_code)	as_db_site, as_db_id, as_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #97 model\_child

### Description: Model / Part Child Table

The Model/Part Child table shows the parent-child relationships of model parts to each other. This might be derived from the drawing schematic diagrams provided by an equipment manufacturer.

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
<code>mf_db_site</code>		INT NOT NULL
<code>mf_db_id</code>		INT NOT NULL
<code>mf_duns_code</code>		INT NOT NULL
<code>model_number</code>		STRING(0:254) NOT NULL
<code>revision_number</code>		INT NOT NULL
<code>child_mf_db_site</code>		INT NOT NULL
<code>child_mf_db_id</code>		INT NOT NULL
<code>child_mf_duns_code</code>		INT NOT NULL
<code>child_model_num</code>		STRING(0:254) NOT NULL
<code>child_revision_num</code>		INT NOT NULL
<code>ordering_seq</code>		INT NOT NULL
<code>gmt_last_updated</code>	GMT time stamp for the last change to this record	DATETIME(10:29)
<code>last_upd_db_site</code>	Site code (from the site table) for the site making the last change to this record	INT
<code>last_upd_db_id</code>	Database Id of the database in which this record was resident when the last change was made to this record	INT
<code>rstat_type_code</code>	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	<code>mf_db_site</code> , <code>mf_db_id</code> , <code>mf_duns_code</code> , <code>model_number</code> , <code>revision_number</code> , <code>child_mf_db_site</code> , <code>child_mf_db_id</code> , <code>child_mf_duns_code</code> , <code>child_model_num</code> , <code>child_revision_num</code>	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">model</a> ( <code>mf_db_site</code> , <code>mf_db_id</code> , <code>mf_duns_code</code> , <code>model_number</code> , <code>revision_number</code> )	<code>mf_db_site</code> , <code>mf_db_id</code> , <code>mf_duns_code</code> , <code>model_number</code> , <code>revision_number</code>
	<a href="#">model</a> ( <code>mf_db_site</code> , <code>mf_db_id</code> , <code>mf_duns_code</code> , <code>model_number</code> , <code>revision_number</code> )	<code>child_mf_db_site</code> , <code>child_mf_db_id</code> , <code>child_mf_duns_code</code> , <code>child_model_num</code> , <code>child_revision_num</code>
	<a href="#">site_database</a> ( <code>db_site</code> , <code>db_id</code> )	<code>last_upd_db_site</code> , <code>last_upd_db_id</code>

	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #35 model\_num\_data

### Description: Model Numeric Data Table

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
mf_db_site		INT NOT NULL
mf_db_id		INT NOT NULL
mf_duns_code		INT NOT NULL
model_number		STRING(0:254) NOT NULL
revision_number		INT NOT NULL
an_db_site		INT NOT NULL
an_db_id		INT NOT NULL
an_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number, an_db_site, an_db_id, an_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">model</a> (mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number)	mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number
	<a href="#">as_num_dat_type</a> (an_db_site, an_db_id, an_type_code)	an_db_site, an_db_id, an_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #36 model\_chr\_data

### Description: Model Character Data Table

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
mf_db_site		INT NOT NULL
mf_db_id		INT NOT NULL
mf_duns_code		INT NOT NULL
model_number		STRING(0:254) NOT NULL
revision_number		INT NOT NULL
ac_db_site		INT NOT NULL
ac_db_id		INT NOT NULL
ac_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number, an_db_site, an_db_id, an_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">model</a> (mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number)	mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number
	<a href="#">as_chr_dat_type</a> (ac_db_site, ac_db_id, ac_type_code)	ac_db_site, ac_db_id, ac_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #37    asset

### Description: Serialized Asset Table

This table stores any asset at any site. These might include actual motors, turbines, bearings, data collectors, transducers, etc. Optionally, one can associate this physical asset with a service segment of the same type as the asset in a 1 to 1 association. For example, asset “Induction Motor Model XYZ” with a specific manufacturer can currently be installed on segment “Induction Motor” at site #343434323.

Note: The model allows for more than one asset to be the child of more than 1 parent asset through the asset\_child table.

Note: asset\_org\_site is the ORIGINAL site where the object was installed and always remains part of the primary key. This asset may move to another site, but the asset\_org\_site and asset\_id should remain the same. This relates to the Vehicle ID Number (VIN) on an automobile. The car may change owners but the VIN number does not change.

Note: Asset\_id is used like a barcode – to assign a unique, non-changeable identifier since a primary key cannot change and must uniquely define the entity. The user\_tag\_ident field is the identifier which is meaningful to the plant.

Note: Computer systems monitoring or recording information on the same asset should utilize the same asset\_org\_site, asset\_id pair.

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 column is mandatory.

Note: The “name” column is an optional column which is a full description of the asset.

Column	Description	Size/Type
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
as_db_site		INT NOT NULL
as_db_id		INT NOT NULL
as_type_code		INT NOT NULL
user_tag_ident		STRING(0:254) NOT NULL
name		STRING(0:254)
mf_db_site		INT
mf_db_id		INT
mf_duns_code		INT
model_number		STRING(0:254)
revision_number		INT
serial_number		STRING(0:254)
asr_db_site		INT
asr_db_id		INT

asr_type_code		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	asset_org_site, asset_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site</a> (site_code)	asset_org_site
	<a href="#">asset_type</a> (as_db_site, as_db_id, as_type_code)	as_db_site, as_db_id, as_type_code
	<a href="#">model</a> (mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number)	mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number
	<a href="#">as_readiness_type</a> (asr_db_site, asr_db_id, asr_type_code)	asr_db_site, asr_db_id, asr_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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### #38 asset\_child

**Description: Asset Child Table**

The Asset Child table shows the parent-child relationships of assets to each other. The model allows for more than one asset to be the child of more than one asset.

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. The ordering sequence of machine assets, coupling assets, and bearing assets on a rotating machine train should conform to MIMOSA guidelines as specified in Document MIM-VB-001.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
child_as_site		INT NOT NULL
child_as_id		INT NOT NULL
ordering_seq		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	asset_org_site, asset_id, child_as_site, child_as_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">asset</a> (asset_org_site, asset_id)	asset_org_site, asset_id
	<a href="#">asset</a> (asset_org_site, asset_id)	child_as_site, child_as_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#41    asset\_num\_data****Description: Asset Numeric Data Table**

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
an_db_site		INT NOT NULL
an_db_id		INT NOT NULL
an_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	asset_org_site, asset_id, an_db_site, an_db_id, an_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">asset</a> (asset_org_site, asset_id)	asset_org_site, asset_id
	<a href="#">as_num_dat_type</a> (an_db_site, an_db_id, an_type_code)	an_db_site, an_db_id, an_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #42    asset\_chr\_data

### Description:   Asset Character Data Table

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
ac_db_site		INT NOT NULL
ac_db_id		INT NOT NULL
ac_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	asset_org_site, asset_id, ac_db_site, ac_db_id, ac_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">asset</a> (asset_org_site, asset_id)	asset_org_site, asset_id
	<a href="#">ac_chr_dat_type</a> (ac_db_site, ac_db_id, ac_type_code)	ac_db_site, ac_db_id, ac_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #44    asset\_on\_segment

### Description:    Asset Utilization on Segment History Table

This table stores when a particular asset was utilized on a given segment and uses the date installed as part of the primary key. If not known when installed, a date of “0000-00-00 00:00:00-0000000000” should be used.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
segment_site		INT NOT NULL
segment_id		INT NOT NULL
gmt_installed		DATETIME(10:29) NOT NULL
gmt_removed		DATETIME(10:29)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	asset_org_site, asset_id, segment_site, segment_id, gmt_installed	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">asset</a> (asset_org_site, asset_id)	asset_org_site, asset_id
	<a href="#">segment</a> (segment_site, segment_id)	segment_site, segment_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #45    asset\_owner

### Description: Asset Owner History Table

This tables 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, a date of “000-00-00 00:00:00-0000000000” should be used. If these assets are not currently active in the asset\_on\_segment table, they could be considered “spares”.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
gmt_purchased		DATETIME(10:29) NOT NULL
sold_to_site		INT NOT NULL
purch_from_site		INT
pc_db_site		INT
pc_db_id		INT
pc_type_code		INT
asr_db_site		INT
asr_db_id		INT
asr_type_code		INT
gmt_sold		DATETIME(10:29)
gmt_discarded		DATETIME(10:29)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	asset_org_site, asset_id, gmt_purchased	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">asset</a> (asset_org_site, asset_id)	asset_org_site, asset_id
	<a href="#">site</a> (site_code)	sold_to_site
	<a href="#">site</a> (site_code)	purch_from_site
	<a href="#">purchase_cond_type</a> (pc_db_site, pc_db_id, pc_type_code)	pc_db_site, pc_db_id, pc_type_code
	<a href="#">as_readiness_type</a> (asr_db_site, asr_db_id, asr_type_code)	asr_db_site, asr_db_id, asr_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## **Network / Process Tables**

### **#284 network**

**Description: Network Table**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
network_db_site		INT NOT NULL
network_db_id		INT NOT NULL
network_id		INT NOT NULL
nt_db_site		INT NOT NULL
nt_db_id		INT NOT NULL
nt_type_code		INT NOT NULL
user_tag_ident		INT NOT NULL
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	network_db_site, network_db_id, network_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	network_db_site, network_db_id
	<a href="#">network_type</a> (nt_db_site, nt_db_id, nt_type_code)	nt_db_site, nt_db_id, nt_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#308 sg\_network\_connect****Description: Segment Network Connection Table**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
network_db_site		INT NOT NULL
network_db_id		INT NOT NULL
network_id		INT NOT NULL
segment_site		INT NOT NULL
segment_id		INT NOT NULL
output_sg_site		INT NOT NULL
output_sg_id		INT NOT NULL
ordering_seq		INT NOT NULL
gmt_stream_config		DATETIME(10:29)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">network</a> (network_db_site, network_db_id, network_id)	network_db_site, network_db_id, network_id
	<a href="#">segment</a> (segment_site, segment_id)	segment_site, segment_id
	<a href="#">segment</a> (segment_site, segment_id)	output_sg_site, output_sg_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#309 as\_network\_connect****Description: Asset Network Connection Table**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
network_db_site		INT NOT NULL
network_db_id		INT NOT NULL
network_id		INT NOT NULL
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
output_as_site		INT NOT NULL
output_as_id		INT NOT NULL
ordering_seq		INT NOT NULL
gmt_stream_config		DATETIME(10:29)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">network</a> (network_db_site, network_db_id, network_id)	network_db_site, network_db_id, network_id
	<a href="#">asset</a> (asset_org_site, asset_id)	asset_org_site, asset_id
	<a href="#">asset</a> (asset_org_site, asset_id)	output_as_site, output_as_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## **Measurement Setup Tables**

### **#52    data\_source**

**Description: Data Source Asset Table (Subset of Asset Table)**

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

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ds_asset_site		INT NOT NULL
ds_asset_id		INT NOT NULL
ds_db_site		INT NOT NULL
ds_db_id		INT NOT NULL
ds_type_code		INT NOT NULL
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	ds_asset_site, ds_asset_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">asset</a> (asset_org_site, asset_id)	ds_asset_site, ds_asset_id
	<a href="#">data_source_type</a> (ds_db_site, ds_db_id, ds_type_code)	ds_db_site, ds_db_id, ds_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #54 transducer

### Description: Transducer Asset Table (Subset of Asset Table)

This table is a subset of the asset table 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 table without transducer information, so entries in this table are not required.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
tr_asset_site		INT NOT NULL
tr_asset_id		INT NOT NULL
tr_db_site		INT NOT NULL
tr_db_id		INT NOT NULL
tr_type_code		INT NOT NULL
out_eu_db_site		INT
out_eu_db_id		INT
out_eu_type_code		INT
out_amplitude		DOUBLE
per_eu_db_site		INT
per_eu_db_id		INT
per_eu_type_code		INT
gmt_last_calib		DATETIME(10:29)
self_powered_yn		STRING(1)
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	tr_asset_site, tr_asset_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">asset</a> (asset_org_site, asset_id)	tr_asset_site, tr_asset_id
	<a href="#">trans_type</a> (tr_db_site, tr_db_id, tr_type_code)	tr_db_site, tr_db_id, tr_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	out_eu_db_site, out_eu_db_id, out_eu_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	per_eu_db_site, per_eu_db_id, per_eu_type_code

	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code
<u>Check</u>	<u>Column</u>	<u>Value Range</u>
	self_powered_yn	NULL, 'Y', 'N'

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## #47 meas\_location

### Description: Measurement Location Table

This table is used to identify the location where actual measurements will be taken, along with the type of measurement location, 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), the corresponding transducer sensitive axis direction code (if applicable), and to which segment or asset the location is associated.

Note: This table 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.

The meas\_loc\_id should be assigned by a plant to be the same across all database systems. This allows data from one collection system to be merged with another collection system for the same location.

Although this table does not physically restrict it, a measurement location must be assigned to either a segment or an asset in this table, as indicated by the segment\_or\_asset column, but not both.

The degree of the transducer's angular orientation (column ta\_orient\_deg) (0-360) and the corresponding transducer sensitive axis direction code, if applicable, is stored in this table.

The specification of the MIMOSA Vibration Measurement Location Code as specified in Document MIM-VB-001, is based on appending the following columns together to form a 14-character unique MIMOSA Location Code. The following columns from this table 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 Code => trans\_type.tr\_type\_abbrev (2 characters 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 => 1<sup>st</sup> 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: meas\_loc\_id is used like a barcode – to assign a unique, non-changeable identifier since a primary key cannot change and must uniquely define the entity. The user\_tag\_ident field is the identifier which is meaningful to the plant.

Note: Computer systems monitoring or recording information on the same location should utilize the same meas\_loc\_site, meas\_loc\_id pair.

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 column is mandatory.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
ml_db_site		INT NOT NULL
ml_db_id		INT NOT NULL
ml_type_code		INT NOT NULL
segment_or_asset		STRING(1) NOT NULL
segment_site		INT
segment_id		INT
asset_org_site		INT
asset_id		INT
ds_db_site		INT
ds_db_id		INT
ds_type_code		INT
tr_db_site		INT
tr_db_id		INT
tr_type_code		INT
ta_orient_deg		INT
ta_db_site		INT
ta_db_id		INT
ta_type_code		INT
mim_loc_seq		INT
motion_direction	Valid 'N' and 'R'	STRING(1)
mim_user_prefix		STRING(4)
mc_db_site	Default method that measurement is calculated from raw data	INT
mc_db_id		INT
mc_type_code		INT
mc_calc_size	Parameter "x" used for the calculation	INT
update_interval	Default frequency that measurements at this location will be updated	DOUBLE
int_eu_db_site	Time eng. units for default frequency	INT
int_eu_db_id		INT
int_eu_type_code		INT
collect_duration	Default duration of collection for measurements at this location	DOUBLE
dur_eu_db_site	Time eng. units for default collection duration	INT
dur_eu_db_id		INT
dur_eu_type_code		INT
user_tag_ident		STRING(0:254) NOT NULL
barcode		STRING(0:254)

name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	meas_loc_site, meas_loc_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site</a> (site_code)	meas_loc_site
	<a href="#">meas_loc_type</a> (ml_db_site, ml_db_id, ml_type_code)	ml_db_site, ml_db_id, ml_type_code
	<a href="#">segment</a> (sement_site, segment_id)	sement_site, segment_id
	<a href="#">asset</a> (asset_org_site, asset_id)	asset_org_site, asset_id
	<a href="#">data_source_type</a> (ds_db_site, ds_db_id, ds_type_code)	ds_db_site, ds_db_id, ds_type_code
	<a href="#">trans_type</a> (tr_db_site, tr_db_id, tr_type_code)	tr_db_site, tr_db_id, tr_type_code
	<a href="#">tr_axis_dir_type</a> (ta_db_site, ta_db_id, ta_type_code)	ta_db_site, ta_db_id, ta_type_code
	<a href="#">mloc_calc_type</a> (mc_db_site, mc_db_id, mc_type_code)	mc_db_site, mc_db_id, mc_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	int_eu_db_site, int_eu_db_id, int_eu_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	dur_eu_db_site, dur_eu_db_id, dur_eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code
<u>Check</u>	<u>Column</u>	<u>Value Range</u>
	segment_or_asset	'A','S'
	motion_direction	'N','R'

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## #334 meas\_loc\_assoc

### Description: Measurement Location Association Table

This table 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>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
related_mloc_site		INT NOT NULL
related_mloc_id		INT NOT NULL
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	meas_loc_site, meas_loc_id, related_mloc_site, related_mloc_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">meas_location</a> (meas_loc_site, meas_loc_id)	meas_loc_site, meas_loc_id
	<a href="#">meas_location</a> (meas_loc_site, meas_loc_id)	related_mloc_site, related_mloc_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## Measurement Data Tables

### #56 meas\_event

#### Description: Measurement Event History Table

This table 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 tables 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 table 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 columns 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 columns 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>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event	Time of measurement (GMT)	DATETIME(10:29) 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	SHORT
gmt_stored	Time event stored in database (GMT)	DATETIME(10:29)
st_loc_hr_delta	Local store time hour offset from GMT	SHORT
st_loc_min_delta	Local store time minute offset from GMT	SHORT

segment_site		INT
segment_id		INT
asset_org_site		INT
asset_id		INT
ds_asset_site		INT
ds_asset_id		INT
tr_asset_site		INT
tr_asset_id		INT
dqual_type_code		SHORT NOT NULL
ml_db_site	Optional location type which specifically categorizes this measurement event	INT
ml_db_id		INT
ml_type_code		INT
mc_db_site	Actual method that measurement was calculated from raw data	INT
mc_db_id		INT
mc_type_code		INT
mc_calc_size	Parameter "x" used for the calculation	INT
collect_duration	Actual duration for this measurement event's data collection	DOUBLE
dur_eu_db_site	Time eng. units for default collection duration	INT
dur_eu_db_id		INT
dur_eu_type_code		INT
confid_percent	Confidence in measurement accuracy (0 = no confidence, 100 = complete confidence)	SHORT
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	meas_loc_site, meas_loc_id, gmt_event	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">meas_location</a> (meas_loc_site, meas_loc_id)	meas_loc_site, meas_loc_id
	<a href="#">segment</a> (segment_site, segment_id)	segment_site, segment_id
	<a href="#">asset</a> (asset_org_site, asset_id)	asset_org_site, asset_id
	<a href="#">data_source</a> (ds_asset_site, ds_asset_id)	ds_asset_site, ds_asset_id
	<a href="#">transducer</a> (tr_asset_site, tr_asset_id)	tr_asset_site, tr_asset_id
	<a href="#">data_qual_type</a> (dqual_type_code)	dqual_type_code
	<a href="#">meas_loc_type</a> (ml_db_site, ml_db_id, ml_type_code)	ml_db_site, ml_db_id, ml_type_code

	<a href="#">mloc_calc_type</a> (mc_db_site, mc_db_id, mc_type_code)	mc_db_site, mc_db_id, mc_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	dur_eu_db_site, dur_eu_db_id, dur_eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#57 meas\_event\_rem****Description: Measurement Event Remarks Table**

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

Note: This table 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 table #59 (mevent\_chr\_value) with a specific engineering unit associated with it.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
ordering_seq		INT NOT NULL
remark_text		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	meas_loc_site, meas_loc_id, gmt_event, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">meas_event</a> (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #100 meas\_event\_assoc

### Description: Measurement Event Associations

This table 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.

Column	Description	Size/Type
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
related_mloc_site		INT NOT NULL
related_mloc_id		INT NOT NULL
related_gmt_event		DATETIME(10:29) NOT NULL
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">meas_event</a> (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	<a href="#">meas_event</a> (meas_loc_site, meas_loc_id, gmt_event)	related_mloc_site, related_mloc_id, related_gmt_event
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #58 mevent\_num\_data

### Description: Measurement Event Numeric Data Table

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

This table 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 table. These values should be stored in the signal-processed, single amplitude value/vector table (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. Version 1.1 of CRIS will provide specific tables for this type of data.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">meas_event</a> (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #59 mevent\_chr\_data

### Description: Measurement Event Character Data Table

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

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

Column	Description	Size/Type
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">meas_event</a> (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#165 mevent\_blob\_data****Description: Measurement Event Binary Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
mebt_db_site		INT NOT NULL
mebt_db_id		INT NOT NULL
meb_type_code		INT NOT NULL
bd_db_site		INT NOT NULL
bd_db_id		INT NOT NULL
bd_type_code		INT NOT NULL
name		STRING(0:254)
assoc_file_name		STRING(0:254)
image_data		BASE64BINARY
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">meas_event</a> (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	<a href="#">mevent_blob_type</a> (mebt_db_site, mebt_db_id, meb_type_code)	mebt_db_site, mebt_db_id, meb_type_code
	<a href="#">blob_data_type</a> (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #221 blob\_grid\_data

### Description: Blob Grid Data Table

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 float 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.

Column	Description	Size/Type
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
mebt_db_site		INT NOT NULL
mebt_db_id		INT NOT NULL
meb_type_code		INT NOT NULL
grid_seq		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
x_resolution		INT NOT NULL
y_resolution		INT NOT NULL
data_origin_x		INT NOT NULL
data_origin_y		INT NOT NULL
data_end_x		INT NOT NULL
data_end_y		INT NOT NULL
name		STRING(0:254)
float_data		BASE64BINARY
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT

<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">mevent_blob_data</a> (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
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #65 signal\_proc\_blk

### Description: Signal Process Block Table

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sp_blk_db_site		INT NOT NULL
sp_blk_db_id		INT NOT NULL
sp_block_id		INT NOT NULL
sp_db_site		INT NOT NULL
sp_db_id		INT NOT NULL
sp_type_code		INT NOT NULL
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	sp_blk_db_site, sp_blk_db_id, sp_block_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	sp_blk_db_site, sp_blk_db_id
	<a href="#">signal_proc_type</a> (sp_db_site, sp_db_id, sp_type_code)	sp_db_site, sp_db_id, sp_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#67 sp\_blk\_num\_data****Description: Signal Process Block Numeric Data Table**

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

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>Column</u>	<u>Description</u>	<u>Size/Type</u>
sp_blk_db_site		INT NOT NULL
sp_blk_db_id		INT NOT NULL
sp_block_id		INT NOT NULL
spn_db_site		INT NOT NULL
spn_db_id		INT NOT NULL
spn_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">signal_proc_blk</a> (sp_blk_db_site, sp_blk_db_id, sp_block_id)	sp_blk_db_site, sp_blk_db_id, sp_block_id
	<a href="#">sp_num_dat_type</a> (spn_db_site, spn_db_id, spn_type_code)	spn_db_site, spn_db_id, spn_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#68    sp\_stream****Description: Signal Process Stream Table**

This table 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 table.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sp_str_db_site		INT NOT NULL
sp_str_db_id		INT NOT NULL
sp_stream_id		INT NOT NULL
sps_type_db_site		INT NOT NULL
sps_type_db_id		INT NOT NULL
sps_type_code		INT NOT NULL
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	sp_str_db_site, sp_str_db_id, sp_stream_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	sp_str_db_site, sp_str_db_id
	<a href="#">sp_stream_type</a> (sps_type_db_site, sps_type_db_id, sps_type_code)	sps_type_db_site, sps_type_db_id, sps_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #69 sp\_stream\_block

### Description: Signal Process Stream Blocks Table

This table 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>Column</u>	<u>Description</u>	<u>Size/Type</u>
sp_str_db_site		INT NOT NULL
sp_str_db_id		INT NOT NULL
sp_stream_id		INT NOT NULL
sp_blk_db_site		INT NOT NULL
sp_blk_db_id		INT NOT NULL
sp_block_id		INT NOT NULL
ordering_seq		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sp_stream</a> (sp_str_db_site, sp_str_db_id, sp_stream_id)	sp_str_db_site, sp_str_db_id, sp_stream_id
	<a href="#">signal_proc_blk</a> (sp_blk_db_site, sp_blk_db_id, sp_block_id)	sp_blk_db_site, sp_blk_db_id, sp_block_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #75 sp\_ampl\_data

### Description: Signal-Process Frequency / Order Single Amplitude / Vector Data Table

This table stores one or more single amplitudes 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 column.

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.

Column	Description	Size/Type
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
ordering_seq		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
pst_sc_db_site		INT NOT NULL
pst_sc_db_id		INT NOT NULL
pst_sc_type_code		INT 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		INT
src_dt_db_id		INT
src_dt_type_code		INT
sp_str_db_site		INT
sp_str_db_id		
sp_stream_id		
assoc_rpm_in_hz		DOUBLE
amplitude		DOUBLE NOT NULL
angle_in_degrees		DOUBLE
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	

	meas_loc_site, meas_loc_id, gmt_event, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">meas_event</a> (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">post_scaling_type</a> (pst_sc_db_site, pst_sc_db_id, pst_sc_type_code)	pst_sc_db_site, pst_sc_db_id, pst_sc_type_code
	<a href="#">src_detect_type</a> (src_dt_db_site, src_dt_db_id, src_dt_type_code)	src_dt_db_site, src_dt_db_id, src_dt_type_code
	<a href="#">sp_stream</a> (sp_str_db_site, sp_str_db_id, sp_stream_id)	sp_str_db_site, sp_str_db_id, sp_stream_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code
<u>Check</u>	<u>Column</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 Table

This table 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 column 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 float 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 column is a percentage ranging from 0 to 100 of the average overlap percentage used.

Column	Description	Size/Type
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
ordering_seq		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
pst_sc_db_site		INT NOT NULL
pst_sc_db_id		INT NOT NULL
pst_sc_type_code		INT 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		INT NOT NULL
win_db_site		INT NOT NULL
win_db_id		INT NOT NULL
win_type_code		INT NOT NULL
ave_db_site		INT
ave_db_id		INT
ave_type_code		INT
ave_wt_db_site		INT
ave_wt_db_id		INT

ave_wt_type_code		INT
ave_sy_db_site		INT
ave_sy_db_id		INT
ave_sy_type_code		INT
ave_overlap_pct		DOUBLE
num_of_averages		INT
sp_str_db_site		INT
sp_str_db_id		INT
sp_stream_id		INT
assoc_rpm_in_hz		DOUBLE
name		STRING(0:254)
dc_level		DOUBLE
complex_yn		STRING(1) NOT NULL
spectrum_data		BASE64BINARY
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	meas_loc_site, meas_loc_id, gmt_event, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">meas_event</a> (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">post_scaling_type</a> (pst_sc_db_site, pst_sc_db_id, pst_sc_type_code)	pst_sc_db_site, pst_sc_db_id, pst_sc_type_code
	<a href="#">window_type</a> (win_db_site, win_db_id, win_type_code)	win_db_site, win_db_id, win_type_code
	<a href="#">average_type</a> (ave_db_site, ave_db_id, ave_type_code)	ave_db_site, ave_db_id, ave_type_code
	<a href="#">ave_weight_type</a> (ave_wt_db_site, ave_wt_db_id, ave_wt_type_code)	ave_wt_db_site, ave_wt_db_id, ave_wt_type_code
	<a href="#">ave_synch_type</a> (ave_sy_db_site, ave_sy_db_id, ave_sy_type_code)	ave_sy_db_site, ave_sy_db_id, ave_sy_type_code
	<a href="#">sp_stream</a> (sp_str_db_site, sp_str_db_id, sp_stream_id)	sp_str_db_site, sp_str_db_id, sp_stream_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code
<u>Check</u>	<u>Column</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 Table

This table 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 column 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 float 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 column 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 column is a percentage ranging from 0 to 100 of the average overlap percentage used.

Column	Description	Size/Type
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
ordering_seq		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT 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		INT NOT NULL
win_db_id		INT NOT NULL
win_type_code		INT NOT NULL
ave_db_site		INT
ave_db_id		INT
ave_type_code		INT
ave_wt_db_site		INT
ave_wt_db_id		INT
ave_wt_type_code		INT
ave_sy_db_site		INT
ave_sy_db_id		INT
ave_sy_type_code		INT
ave_overlap_pct		DOUBLE



num_of_averages		INT
sp_str_db_site		INT
sp_str_db_id		INT
sp_stream_id		INT
assoc_rpm_in_hz		DOUBLE
name		STRING(0:254)
complex_yn		STRING(1) NOT NULL
waveform_data		BASE64BINARY
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	meas_loc_site, meas_loc_id, gmt_event, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">meas_event</a> (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">window_type</a> (win_db_site, win_db_id, win_type_code)	win_db_site, win_db_id, win_type_code
	<a href="#">average_type</a> (ave_db_site, ave_db_id, ave_type_code)	ave_db_site, ave_db_id, ave_type_code
	<a href="#">ave_weight_type</a> (ave_wt_db_site, ave_wt_db_id, ave_wt_type_code)	ave_wt_db_site, ave_wt_db_id, ave_wt_type_code
	<a href="#">ave_synch_type</a> (ave_sy_db_site, ave_sy_db_id, ave_sy_type_code)	ave_sy_db_site, ave_sy_db_id, ave_sy_type_code
	<a href="#">sp_stream</a> (sp_str_db_site, sp_str_db_id, sp_stream_id)	sp_str_db_site, sp_str_db_id, sp_stream_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code
<u>Check</u>	<u>Column</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 Table**

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

Note: The spectrum\_data column 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 column stores a “P” for percent band width (0 – 100) or an “O” for octave width associated with the band\_width column.

Note: The field center\_in\_hz\_1bd is the first band’s center frequency in hertz

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
ordering_seq		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
pst_sc_db_site		INT NOT NULL
pst_sc_db_id		INT NOT NULL
pst_sc_type_code		INT NOT NULL
number_of_bands		INT 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		INT
ave_db_id		INT
ave_type_code		INT
ave_wt_db_site		INT
ave_wt_db_id		INT
ave_wt_type_code		INT
ave_sy_db_site		INT
ave_sy_db_id		INT
ave_sy_type_code		INT
ave_overlap_pct		DOUBLE
num_of_averages		INT
sp_str_db_site		INT
sp_str_db_id		INT
sp_stream_id		INT
assoc_rpm_in_hz		DOUBLE
name		STRING(0:254)

spectrum_data		BASE64BINARY
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	meas_loc_site, meas_loc_id, gmt_event, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">meas_event</a> (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">post_scaling_type</a> (pst_sc_db_site, pst_sc_db_id, pst_sc_type_code)	pst_sc_db_site, pst_sc_db_id, pst_sc_type_code
	<a href="#">average_type</a> (ave_db_site, ave_db_id, ave_type_code)	ave_db_site, ave_db_id, ave_type_code
	<a href="#">ave_weight_type</a> (ave_wt_db_site, ave_wt_db_id, ave_wt_type_code)	ave_wt_db_site, ave_wt_db_id, ave_wt_type_code
	<a href="#">ave_synch_type</a> (ave_sy_db_site, ave_sy_db_id, ave_sy_type_code)	ave_sy_db_site, ave_sy_db_id, ave_sy_type_code
	<a href="#">sp_stream</a> (sp_str_db_site, sp_str_db_id, sp_stream_id)	sp_str_db_site, sp_str_db_id, sp_stream_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code
<u>Check</u>	<u>Column</u>	<u>Value Range</u>
	width_pct_oct	'P','O'

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## **Ordered List Tables**

### **#48    ordered\_list**

**Description: Ordered List Table**

This table is used to identify the name of an ordered list (like a route of measurement points) for a database.

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>Column</u>	<u>Description</u>	<u>Size/Type</u>
ord_list_db_site		INT NOT NULL
ord_list_db_id		INT NOT NULL
ord_list_id		INT NOT NULL
name		STRING(0:254)
user_tag_ident		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	ord_list_db_site, ord_list_db_id, ord_list_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	ord_list_db_site, ord_list_db_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #49 meas\_loc\_list

### Description: Ordered List of Measurement Locations Table

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ord_list_db_site		INT NOT NULL
ord_list_db_id		INT NOT NULL
ord_list_id		INT NOT NULL
ordering_seq		INT NOT NULL
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	ord_list_db_site, ord_list_db_id, ord_list_id, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">ordered_list</a> (ord_list_db_site, ord_list_db_id, ord_list_id)	ord_list_db_site, ord_list_db_id, ord_list_id
	<a href="#">meas_location</a> (meas_loc_site, meas_loc_id)	meas_loc_site, meas_loc_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #50 mloc\_unit\_list

### Description: Ordered List of Engineering Units at Measurement Locations Table

This table 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>Column</u>	<u>Description</u>	<u>Size/Type</u>
ord_list_db_site		INT NOT NULL
ord_list_db_id		INT NOT NULL
ord_list_id		INT NOT NULL
ordering_seq		INT NOT NULL
channel_number		INT NOT NULL
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	ord_list_db_site, ord_list_db_id, ord_list_id, ordering_seq, channel_number	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">ordered_list</a> (ord_list_db_site, ord_list_db_id, ord_list_id)	ord_list_db_site, ord_list_db_id, ord_list_id
	<a href="#">meas_location</a> (meas_loc_site, meas_loc_id)	meas_loc_site, meas_loc_id
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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 Table

This table 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 table to associate the ordered list's measurement location unit with the signal processing parameters needed to capture the unit in a specified manner.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
spa_setup_db_site		INT NOT NULL
spa_setup_db_id		INT NOT NULL
spa_setup_id		INT NOT NULL
pst_sc_db_site		INT NOT NULL
pst_sc_db_id		INT NOT NULL
pst_sc_type_code		INT 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		INT
src_dt_db_id		INT
src_dt_type_code		INT
sp_str_db_site		INT
sp_str_db_id		INT
sp_stream_id		INT
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	spa_setup_db_site, spa_setup_db_id, spa_setup_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	spa_setup_db_site, spa_setup_db_id
	<a href="#">post_scaling_type</a> (pst_sc_db_site, pst_sc_db_id, pst_sc_type_code)	pst_sc_db_site, pst_sc_db_id, pst_sc_type_code
	<a href="#">src_detect_type</a> (src_dt_db_site, src_dt_db_id, src_dt_type_code)	src_dt_db_site, src_dt_db_id, src_dt_type_code
	<a href="#">sp_stream</a> (sp_str_db_site, sp_str_db_id, sp_stream_id)	sp_str_db_site, sp_str_db_id, sp_stream_id

	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code
<u>Check</u>	<u>Column</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 Table

This table 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 table.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ord_list_db_site		INT NOT NULL
ord_list_db_id		INT NOT NULL
ord_list_id		INT NOT NULL
ordering_seq		INT NOT NULL
channel_number		INT NOT NULL
spa_setup_db_site		INT NOT NULL
spa_setup_db_id		INT NOT NULL
spa_setup_id		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">mloc_unit_list</a> (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
	<a href="#">sp_ampl_setup</a> (spa_setup_db_site, spa_setup_db_id, spa_setup_id)	spa_setup_db_site, spa_setup_db_id, spa_setup_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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 Table**

This table 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 table to associate the ordered list's measurement location unit with the signal processing parameters needed to capture the unit in a specified manner.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
spf_setup_db_site		INT NOT NULL
spf_setup_db_id		INT NOT NULL
spf_setup_id		INT NOT NULL
pst_sc_db_site		INT NOT NULL
pst_sc_db_id		INT NOT NULL
pst_sc_type_code		INT 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		INT NOT NULL
win_db_site		INT NOT NULL
win_db_id		INT NOT NULL
win_type_code		INT NOT NULL
ave_db_site		INT
ave_db_id		INT
ave_type_code		INT
ave_wt_db_site		INT
ave_wt_db_id		INT
ave_wt_type_code		INT
ave_sy_db_site		INT
ave_sy_db_id		INT
ave_sy_type_code		INT
ave_overlap_pct		DOUBLE
num_of_averages		INT
sp_str_db_site		INT
sp_str_db_id		INT
sp_stream_id		INT
complex_yn		STRING(1) NOT NULL
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	spf_setup_db_site, spf_setup_db_id,	

	spf_setup_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	spf_setup_db_site, spf_setup_db_id
	<a href="#">post_scaling_type</a> (pst_sc_db_site, pst_sc_db_id, pst_sc_type_code)	pst_sc_db_site, pst_sc_db_id, pst_sc_type_code
	<a href="#">window_type</a> (win_db_site, win_db_id, win_type_code)	win_db_site, win_db_id, win_type_code
	<a href="#">average_type</a> (ave_db_site, ave_db_id, ave_type_code)	ave_db_site, ave_db_id, ave_type_code
	<a href="#">ave_weight_type</a> (ave_wt_db_site, ave_wt_db_id, ave_wt_type_code)	ave_wt_db_site, ave_wt_db_id, ave_wt_type_code
	<a href="#">ave_synch_type</a> (ave_sy_db_site, ave_sy_db_id, ave_sy_type_code)	ave_sy_db_site, ave_sy_db_id, ave_sy_type_code
	<a href="#">sp_stream</a> (sp_str_db_site, sp_str_db_id, sp_stream_id)	sp_str_db_site, sp_str_db_id, sp_stream_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code
<u>Check</u>	<u>Column</u>	<u>Value Range</u>
	freq_or_order	'F','O'
	complex_yn	'Y','N'

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**#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 Table**

This table 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 table.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ord_list_db_site		INT NOT NULL
ord_list_db_id		INT NOT NULL
ord_list_id		INT NOT NULL
ordering_seq		INT NOT NULL
channel_number		INT NOT NULL
spf_setup_db_site		INT NOT NULL
spf_setup_db_id		INT NOT NULL
spf_setup_id		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">mloc_unit_list</a> (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
	<a href="#">sp_fft_setup</a> (spf_setup_db_site, spf_setup_db_id, spf_setup_id)	spf_setup_db_site, spf_setup_db_id, spf_setup_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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 Table

This table 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 table to associate the ordered list's measurement location unit with the signal processing parameters needed to capture the unit in a specified manner.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
spt_setup_db_site		INT NOT NULL
spt_setup_db_id		INT NOT NULL
spt_setup_id		INT 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		INT NOT NULL
win_db_id		INT NOT NULL
win_type_code		INT NOT NULL
ave_db_site		INT
ave_db_id		INT
ave_type_code		INT
ave_wt_db_site		INT
ave_wt_db_id		INT
ave_wt_type_code		INT
ave_sy_db_site		INT
ave_sy_db_id		INT
ave_sy_type_code		INT
ave_overlap_pct		DOUBLE
num_of_averages		INT
sp_str_db_site		INT
sp_str_db_id		INT
sp_stream_id		INT
complex_yn		STRING(1) NOT NULL
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	spt_setup_db_site, spt_setup_db_id, spt_setup_id	

<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	spt_setup_db_site, spt_setup_db_id
	<a href="#">window_type</a> (win_db_site, win_db_id, win_type_code)	win_db_site, win_db_id, win_type_code
	<a href="#">average_type</a> (ave_db_site, ave_db_id, ave_type_code)	ave_db_site, ave_db_id, ave_type_code
	<a href="#">ave_weight_type</a> (ave_wt_db_site, ave_wt_db_id, ave_wt_type_code)	ave_wt_db_site, ave_wt_db_id, ave_wt_type_code
	<a href="#">ave_synch_type</a> (ave_sy_db_site, ave_sy_db_id, ave_sy_type_code)	ave_sy_db_site, ave_sy_db_id, ave_sy_type_code
	<a href="#">sp_stream</a> (sp_str_db_site, sp_str_db_id, sp_stream_id)	sp_str_db_site, sp_str_db_id, sp_stream_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code
<u>Check</u>	<u>Column</u>	<u>Value Range</u>
	secs_or_revs	'S','R'
	complex_yn	'Y','N'

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## #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 Table

This table 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 table.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ord_list_db_site		INT NOT NULL
ord_list_db_id		INT NOT NULL
ord_list_id		INT NOT NULL
ordering_seq		INT NOT NULL
channel_number		INT NOT NULL
spt_setup_db_site		INT NOT NULL
spt_setup_db_id		INT NOT NULL
spt_setup_id		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">mloc_unit_list</a> (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
	<a href="#">sp_time_setup</a> (spt_setup_db_site, spt_setup_db_id, spt_setup_id)	spt_setup_db_site, spt_setup_db_id, spt_setup_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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 Table

This table 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 table to associate the ordered list's measurement location unit with the signal processing parameters needed to capture the unit in a specified manner.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
spc_setup_db_site		INT NOT NULL
spc_setup_db_id		INT NOT NULL
spc_setup_id		INT NOT NULL
pst_sc_db_site		INT NOT NULL
pst_sc_db_id		INT NOT NULL
pst_sc_type_code		INT NOT NULL
number_of_bands		INT 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		INT
ave_db_id		INT
ave_type_code		INT
ave_wt_db_site		INT
ave_wt_db_id		INT
ave_wt_type_code		INT
ave_sy_db_site		INT
ave_sy_db_id		INT
ave_sy_type_code		INT
ave_overlap_pct		DOUBLE
num_of_averages		INT
sp_str_db_site		INT
sp_str_db_id		INT
sp_stream_id		INT
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	spc_setup_db_site, spc_setup_db_id, spc_setup_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>



	<a href="#">site_database</a> (db_site, db_id)	spc_setup_db_site, spc_setup_db_id
	<a href="#">post_scaling_type</a> (pst_sc_db_site, pst_sc_db_id, pst_sc_type_code)	pst_sc_db_site, pst_sc_db_id, pst_sc_type_code
	<a href="#">average_type</a> (ave_db_site, ave_db_id, ave_type_code)	ave_db_site, ave_db_id, ave_type_code
	<a href="#">ave_weight_type</a> (ave_wt_db_site, ave_wt_db_id, ave_wt_type_code)	ave_wt_db_site, ave_wt_db_id, ave_wt_type_code
	<a href="#">ave_synch_type</a> (ave_sy_db_site, ave_sy_db_id, ave_sy_type_code)	ave_sy_db_site, ave_sy_db_id, ave_sy_type_code
	<a href="#">sp_stream</a> (sp_str_db_site, sp_str_db_id, sp_stream_id)	sp_str_db_site, sp_str_db_id, sp_stream_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code
<u>Check</u>	<u>Column</u>	<u>Value Range</u>
	width_pct_or_oct	'P','O'

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**#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 Table**

This table 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 table.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ord_list_db_site		INT NOT NULL
ord_list_db_id		INT NOT NULL
ord_list_id		INT NOT NULL
ordering_seq		INT NOT NULL
channel_number		INT NOT NULL
spc_setup_db_site		INT NOT NULL
spc_setup_db_id		INT NOT NULL
spc_setup_id		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">mloc_unit_list</a> (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
	<a href="#">sp_cpb_setup</a> (spc_setup_db_site, spc_setup_db_id, spc_setup_id)	spc_setup_db_site, spc_setup_db_id, spc_setup_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## Alarm Tables

### #317 num\_alarm\_reg

**Description:** Measurement Location Numeric Alarm Regions

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
alarm_db_site		INT NOT NULL
alarm_db_id		INT NOT NULL
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
ordering_seq		INT NOT NULL
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	INT
ml_db_id	""	INT
ml_type_code	""	INT
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	INT
mc_db_id	""	INT
mc_type_code	""	INT
al_db_site		INT NOT NULL
al_db_id		INT NOT NULL
al_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
gmt_alarm_start	Time alarm becomes effective (GMT)	DATETIME(10:29) 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	SHORT
min_amplitude		DOUBLE NOT NULL
max_amplitude		DOUBLE NOT NULL
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	alarm_db_site, alarm_db_id, meas_loc_site, meas_loc_id, ordering_seq	

<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	alarm_db_site, alarm_db_id
	<a href="#">meas_location</a> (meas_loc_site, meas_loc_id)	meas_loc_site, meas_loc_id
	<a href="#">meas_loc_type</a> (ml_db_site, ml_db_id, ml_type_code)	ml_db_site, ml_db_id, ml_type_code
	<a href="#">mloc_calc_type</a> (mc_db_site, mc_db_id, mc_type_code)	mc_db_site, mc_db_id, mc_type_code
	<a href="#">alarm_type</a> (al_db_site, al_db_siid, al_type_code)	al_db_site, al_db_siid, al_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#319 spa\_alarm\_reg****Description: Signal-processed Amplitudes Alarm Regions**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
alarm_db_site		INT NOT NULL
alarm_db_id		INT NOT NULL
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
ordering_seq		INT NOT NULL
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	INT
ml_db_id	""	INT
ml_type_code	""	INT
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	INT
mc_db_id	""	INT
mc_type_code	""	INT
al_db_site		INT NOT NULL
al_db_id		INT NOT NULL
al_type_code		INT 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(10:29) NOT NULL
st_loc_hr_delta	Time local hour offset from GMT	SHORT
st_loc_min_delta	Time local minute offset from GMT	SHORT
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
pst_sc_db_site		INT NOT NULL
pst_sc_db_id		INT NOT NULL
pst_sc_type_code		INT NOT NULL
src_dt_db_site		INT
src_dt_db_id		INT
src_dt_type_code		INT
min_amplitude		DOUBLE NOT NULL
max_amplitude		DOUBLE NOT NULL
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT

rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	alarm_db_site, alarm_db_id, meas_loc_site, meas_loc_id, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	alarm_db_site, alarm_db_id
	<a href="#">meas_location</a> (meas_loc_site, meas_loc_id)	meas_loc_site, meas_loc_id
	<a href="#">meas_loc_type</a> (ml_db_site, ml_db_id, ml_type_code)	ml_db_site, ml_db_id, ml_type_code
	<a href="#">mloc_calc_type</a> (mc_db_site, mc_db_id, mc_type_code)	mc_db_site, mc_db_id, mc_type_code
	<a href="#">alarm_type</a> (al_db_site, al_db_id, al_type_code)	al_db_site, al_db_id, al_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">post_scaling_type</a> (pst_sc_db_site, pst_sc_db_id, pst_sc_type_code)	pst_sc_db_site, pst_sc_db_id, pst_sc_type_code
	<a href="#">src_detect_type</a> (src_dt_db_site, src_dt_db_id, src_dt_type_code)	src_dt_db_site, src_dt_db_id, src_dt_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code
<u>Check</u>	<u>Column</u>	<u>Value Range</u>
	freq_or_order	'F','O'

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**#310 mloc\_test\_alarm\_rg**

**Description: Alarm Regions for Measurement Location Sample Test Numeric Results**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
alarm_db_site		INT NOT NULL
alarm_db_id		INT NOT NULL
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
ordering_seq		INT NOT NULL
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	INT
ml_db_id	“”	INT
ml_type_code	“”	INT
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	INT
mc_db_id	“”	INT
mc_type_code	“”	INT
stt_db_site		INT NOT NULL
stt_db_id		INT NOT NULL
stt_code		INT NOT NULL
al_db_site		INT NOT NULL
al_db_id		INT NOT NULL
al_type_code		INT NOT NULL
strn_db_site		INT NOT NULL
strn_db_id		INT NOT NULL
str_num_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
gmt_alarm_start		DATETIME(10:29) NOT NULL
st_loc_hr_delta		SHORT
st_loc_min_delta		SHORT
min_data_value		DOUBLE NOT NULL
max_data_value		DOUBLE NOT NULL
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT

rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	alarm_db_site, alarm_db_id, meas_loc_site, meas_loc_id, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	alarm_db_site, alarm_db_id
	<a href="#">meas_location</a> (meas_loc_site, meas_loc_id)	meas_loc_site, meas_loc_id
	<a href="#">meas_loc_type</a> (ml_db_site, ml_db_id, ml_type_code)	ml_db_site, ml_db_id, ml_type_code
	<a href="#">mloc_calc_type</a> (mc_db_site, mc_db_id, mc_type_code)	mc_db_site, mc_db_id, mc_type_code
	<a href="#">sample_test_type</a> (stt_db_site, stt_db_id, stt_code)	stt_db_site, stt_db_id, stt_code
	<a href="#">alarm_type</a> (al_db_site, al_db_id, al_type_code)	al_db_site, al_db_id, al_type_code
	<a href="#">test_result_ntype</a> (strn_db_site, strn_db_id, str_num_type_code)	strn_db_site, strn_db_id, str_num_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #63 mevent\_num\_alarm

### Description: Measurement Event Numeric Data Alarm Table

This table stores all the alarms triggered by the numeric value stored in the Measurement Event Numeric Data Table (mevent\_num\_data.) If data is available in the Measurement Location Numeric Data Alarm Region Table (num\_alarm\_reg), then the alarm data in this table 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 site zero (meas\_loc\_site = 0) entries in this table

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
al_db_site		INT NOT NULL
al_db_id		INT NOT NULL
al_type_code		INT NOT NULL
gmt_acknowledged		DATETIME(10:29)
ack_loc_hr_delta		SHORT
ack_loc_min_delta		SHORT
org_agent_site	Agent which acknowledged the alarm	INT
agent_id	Agent which acknowledged the alarm	INT
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">mevent_num_data</a> (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
	<a href="#">alarm_type</a> (al_db_site, al_db_id, al_type_code)	al_db_site, al_db_siid, al_type_code
	<a href="#">agent</a> (org_agent_site, agent_id)	org_agent_site, agent_id

	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#318 num\_al\_assoc\_reg****Description: Numeric Alarm Associated Regions in Alarm**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
al_db_site		INT NOT NULL
al_db_id		INT NOT NULL
al_type_code		INT NOT NULL
alarm_db_site		INT NOT NULL
alarm_db_id		INT NOT NULL
al_meas_loc_site		INT NOT NULL
al_meas_loc_id		INT NOT NULL
al_ordering_seq		INT NOT NULL
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">mevent_num_alarm</a> (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
	<a href="#">num_alarm_reg</a> (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
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #79 sp\_ampl\_alarm

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

This table stores all the alarms triggered by the signal-processed single amplitudes stored in the sp\_ampl\_data table. If data is available in the Measurement Location Signal-Processed Single Amplitude Alarm Region Table, the alarm data in this table 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.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
ordering_seq		INT NOT NULL
al_db_site		INT NOT NULL
al_db_id		INT NOT NULL
al_type_code		INT NOT NULL
gmt_acknowledged	Time of acknowledgement (GMT)	DATETIME(10:29)
ack_loc_hr_delta	Local hour offset from GMT	SHORT
ack_loc_min_delta	Local minute offset from GMT	SHORT
org_agent_site	Agent which acknowledged the alarm	INT
agent_id	Agent which acknowledged the alarm	INT
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sp_ampl_data</a> (meas_loc_site, meas_loc_id, gmt_event, ordering_seq)	meas_loc_site, meas_loc_id, gmt_event, ordering_seq
	<a href="#">alarm_type</a> (al_db_site, al_db_id, al_type_code)	al_db_site, al_db_id, al_type_code
	<a href="#">agent</a> (org_agent_site, agent_id)	org_agent_site, agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#320 spa\_al\_assoc\_reg****Description: Signal-Processed Amplitude Associated Regions in Alarm**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
ordering_seq		INT NOT NULL
al_db_site		INT NOT NULL
al_db_id		INT NOT NULL
al_type_code		INT NOT NULL
alarm_db_site		INT NOT NULL
alarm_db_id		INT NOT NULL
al_meas_loc_site		INT NOT NULL
al_meas_loc_id		INT NOT NULL
al_ordering_seq		INT NOT NULL
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sp_ampl_alarm</a> (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
	<a href="#">spa_alarm_reg</a> (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
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#120 blob\_alarm****Description: Measurement Event BLOB Data Alarm**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
mebt_db_site		INT NOT NULL
mebt_db_id		INT NOT NULL
meb_type_code		INT NOT NULL
al_db_site		INT NOT NULL
al_db_id		INT NOT NULL
al_type_code		INT NOT NULL
gmt_acknowledged		DATETIME(10:29)
ack_loc_hr_delta		SHORT
ack_loc_min_delta		SHORT
org_agent_site	Agent which acknowledged the alarm	INT
agent_id	Agent which acknowledged the alarm	INT
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">mevent_blob_data</a> (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
	<a href="#">alarm_type</a> (al_db_site, al_db_id, al_type_code)	al_db_site, al_db_id, al_type_code
	<a href="#">agent</a> (org_agent_site, agent_id)	org_agent_site, agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#293 blob\_area\_alarm****Description: Measurement Event BLOB Data Area in Alarm.**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
mebt_db_site		INT NOT NULL
mebt_db_id		INT NOT NULL
meb_type_code		INT NOT NULL
area_seq		INT NOT NULL
x_resolution	Total dimensions of the rectangular	INT NOT NULL
y_resolution	grid related to the BLOB image (grid resolution)	INT NOT NULL
high_db_site	Highlight area type (arrow, rectangle, etc.)	INT NOT NULL
high_db_id		INT NOT NULL
high_type_code		INT NOT NULL
data_origin_x	X, Y coordinates of the origin of the	INT 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 table #292 <a href="#">highlight_type</a> )	INT NOT NULL
data_end_x	X, Y coordinates of the end of the	INT 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 table #292 <a href="#">highlight_type</a> )	INT NOT NULL
al_db_site		INT NOT NULL
al_db_id		INT NOT NULL
al_type_code		INT NOT NULL
gmt_acknowledged		DATETIME(10:29)
ack_loc_hr_delta		SHORT
ack_loc_min_delta		SHORT
org_agent_site	Agent which acknowledged the alarm	INT
agent_id	Agent which acknowledged the alarm	INT
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">mevent_blob_data</a> (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
	<a href="#">highlight_type</a> (high_db_site, high_db_id, high_type_code)	high_db_site, high_db_id, high_type_code
	<a href="#">alarm_type</a> (al_db_site, al_db_id, al_type_code)	al_db_site, al_db_id, al_type_code
	<a href="#">agent</a> (org_agent_site, agent_id)	org_agent_site, agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> ( rstat_type_cod)	rstat_type_code

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**#191 test\_nres\_alarm****Description: Measurement Sample Test Numeric Result Alarms**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
sample_order_seq		INT NOT NULL
test_order_seq		INT NOT NULL
ordering_seq		INT NOT NULL
al_db_site		INT NOT NULL
al_db_id		INT NOT NULL
al_type_code		INT NOT NULL
gmt_acknowledged		DATETIME(10:29)
ack_loc_hr_delta		SHORT
ack_loc_min_delta		SHORT
org_agent_site	Agent which acknowledged the alarm	INT
agent_id	Agent which acknowledged the alarm	INT
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, test_order_seq, ordering_seq, al_db_site, al_db_id, al_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">test_num_results</a> (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, test_order_seq, ordering_seq,)	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, test_order_seq, ordering_seq
	<a href="#">alarm_type</a> (al_db_site, al_db_id, al_type_code)	al_db_site, al_db_id, al_type_code
	<a href="#">agent</a> (org_agent_site, agent_id)	org_agent_site, agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#321 test\_al\_assoc\_reg****Description: Sample Test Alarm Associated Regions in Alarm**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
sample_order_seq		INT NOT NULL
test_order_seq		INT NOT NULL
ordering_seq		INT NOT NULL
al_db_site		INT NOT NULL
al_db_id		INT NOT NULL
al_type_code		INT NOT NULL
alarm_db_site		INT NOT NULL
alarm_db_id		INT NOT NULL
al_meas_loc_site		INT NOT NULL
al_meas_loc_id		INT NOT NULL
al_ordering_seq		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, test_order_seq, 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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">test_nres_alarm</a> (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, test_order_seq, ordering_seq, al_db_site, al_db_id, al_type_code)	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, test_order_seq, ordering_seq, al_db_site, al_db_id, al_type_code
	<a href="#">mloc_test_alarm_rg</a> (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
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#192 test\_bres\_alarm****Description: Measurement Sample Test BLOB Result Alarms**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
sample_order_seq		INT NOT NULL
test_order_seq		INT NOT NULL
ordering_seq		INT NOT NULL
al_db_site		INT NOT NULL
al_db_id		INT NOT NULL
al_type_code		INT NOT NULL
gmt_acknowledged		DATETIME(10:29)
ack_loc_hr_delta		SHORT
ack_loc_min_delta		SHORT
org_agent_site	Agent which acknowledged the alarm	INT
agent_id	Agent which acknowledged the alarm	INT
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, test_order_seq, ordering_seq, al_db_site, al_db_id, al_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">test_blob_results</a> (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, test_order_seq, ordering_seq)	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, test_order_seq, ordering_seq
	<a href="#">alarm_type</a> (al_db_site, al_db_id, al_type_code)	al_db_site, al_db_id, al_type_code
	<a href="#">agent</a> (org_agent_site, agent_id)	org_agent_site, agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## **Agent Tables**

### **#117 agent**

#### **Description: Agent Table**

This table identifies all of the agents for a database. An agent is any “intelligent” entity which might act on the database such as an Organization, Group, Individual, Intelligent Agent, System, etc.

Note: org\_agent\_site is the original site (home site) of the agent

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
org_agent_site	Original agent site (home site)	INT NOT NULL
agent_id		INT NOT NULL
agent_db_site		INT NOT NULL
agent_db_id		INT NOT NULL
agent_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	org_agent_site, agent_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	org_agent_site, agent_id
	<a href="#">agent_type</a> (agent_db_site, agent_db_id, agent_type_code)	agent_db_site, agent_db_id, agent_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #118 agent\_role

### Description: Agent Roles Table

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
org_agent_site		INT NOT NULL
agent_id		INT NOT NULL
ag_role_db_site		INT NOT NULL
ag_role_db_id		INT NOT NULL
ag_role_type_code		INT NOT NULL
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">agent</a> (org_agent_site, agent_id)	org_agent_site, agent_id
	<a href="#">agent_role_type</a> (ag_role_db_site, ag_role_db_id, ag_role_type_code)	ag_role_db_site, ag_role_db_id, ag_role_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #223 agent\_role\_with\_agent

### Description: Agent in Defined Role with Associated Agent Table

This table 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 columns org\_agent\_site, agent\_id, ag\_role\_db\_site and ag\_role\_db\_id define the agent's role: Manager Of, Buyer From, etc.

Note: The columns other\_org\_agent\_site and other\_agent\_id identify the associated agent.

Column	Description	Size/Type
org_agent_site		INT NOT NULL
agent_id		INT NOT NULL
ag_role_db_site		INT NOT NULL
ag_role_db_id		INT NOT NULL
ag_role_type_code		INT NOT NULL
other_org_agent_site		INT NOT NULL
other_agent_id		INT NOT NULL
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">agent_role</a> (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
	<a href="#">agent</a> (org_agent_site, agent_id)	other_org_agent_site, other_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## **Sample Test Data Tables**

### **#166 meas\_sample**

#### **Description: Measurement Sample Table**

Note: The required user\_tab\_ident field is the alpha-numeric sample number.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
sample_order_seq		INT NOT NULL
user_tag_ident	Alpha-numeric sample number	STRING(0:254) NOT NULL
by_agent_site		INT
by_agent_id		INT
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">meas_event</a> (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	<a href="#">agent</a> (org_agent_site, agent_id)	by_agent_site, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #163 meas\_sample\_child

### Description: Measurement Sample Child Table

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
sample_order_seq		INT NOT NULL
child_mloc_site		INT NOT NULL
child_mloc_id		INT NOT NULL
child_gmt_event		DATETIME(10:29) NOT NULL
child_sam_ord_seq		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">meas_sample</a> (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq)	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq
	<a href="#">meas_sample</a> (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq)	child_mloc_site, child_mloc_id, child_gmt_event, child_sam_ord_seq
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#213 sample\_num\_data****Description: Measurement Sample Numeric Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
sample_order_seq		INT NOT NULL
snum_db_site		INT NOT NULL
snum_db_id		INT NOT NULL
snum_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">meas_sample</a> (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq)	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq
	<a href="#">sample_ndata_type</a> (snum_db_site, snum_db_id, snum_type_code)	snum_db_site, snum_db_id, snum_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#288 sample\_chr\_data****Description: Measurement Sample Character Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
sample_order_seq		INT NOT NULL
schr_db_site		INT NOT NULL
schr_db_id		INT NOT NULL
schr_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">meas_sample</a> (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq)	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq
	<a href="#">sample_cdata_type</a> (schr_db_site, schr_db_id, schr_type_code)	schr_db_site, schr_db_id, schr_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#289 sample\_remark****Description: Measurement Sample Remark**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
sample_order_seq		INT NOT NULL
ordering_seq		INT NOT NULL
remark_text		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">meas_sample</a> (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq)	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#122 meas\_sample\_test****Description: Measurement Sample Test**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
sample_order_seq		INT NOT NULL
test_order_seq		INT NOT NULL
stt_db_site		INT NOT NULL
stt_db_id		INT NOT NULL
stt_code		INT NOT NULL
user_tag_ident		STRING(0:254) NOT NULL
name		STRING(0:254)
by_agent_site		INT NOT NULL
by_agent_id		INT NOT NULL
test_asset_site	Asset used to perform the test	INT
test_asset_id	Asset used to perform the test	INT
gmt_started		DATETIME(10:29)
st_loc_hr_delta		SHORT
st_loc_min_delta		SHORT
gmt_ended		DATETIME(10:29)
end_loc_hr_delta		SHORT
end_loc_min_delta		SHORT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, test_order_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">meas_sample</a> (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq)	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq
	<a href="#">sample_test_type</a> (stt_db_site, stt_db_id, stt_code)	stt_db_site, stt_db_id, stt_code
	<a href="#">agent</a> (org_agent_site, agent_id)	by_agent_site, by_agent_id
	<a href="#">asset</a> (asset_org_site, asset_id)	test_asset_site, test_asset_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#164 test\_num\_results****Description: Measurement Sample Test Numeric Results**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
sample_order_seq		INT NOT NULL
test_order_seq		INT NOT NULL
ordering_seq		INT NOT NULL
strn_db_site		INT NOT NULL
strn_db_id		INT NOT NULL
str_num_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
real_data_value		DOUBLE NOT NULL
imag_data_value		DOUBLE
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, test_order_seq, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">meas_sample_test</a> (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, test_order_seq)	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, test_order_seq
	<a href="#">test_result_ntype</a> (strn_db_site, strn_db_id, str_num_type_code)	strn_db_site, strn_db_id, str_num_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#285 test\_chr\_results****Description: Measurement Sample Test Character Results**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
sample_order_seq		INT NOT NULL
test_order_seq		INT NOT NULL
ordering_seq		INT NOT NULL
strc_db_site		INT NOT NULL
strc_db_id		INT NOT NULL
str_chr_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, test_order_seq, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">meas_sample_test</a> (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, test_order_seq)	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, test_order_seq
	<a href="#">test_result_ctype</a> (strc_db_site, strc_db_id, str_chr_type_code)	strc_db_site, strc_db_id, str_chr_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#168 test\_blob\_results****Description: Measurement Sample Test Binary Results For Ferrography / Etc.**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
sample_order_seq		INT NOT NULL
test_order_seq		INT NOT NULL
ordering_seq		INT NOT NULL
strb_db_site		INT NOT NULL
strb_db_id		INT NOT NULL
str_blob_type_code		INT NOT NULL
bd_db_site		INT NOT NULL
bd_db_id		INT NOT NULL
bd_type_code		INT NOT NULL
name		STRING(0:254)
assoc_file_name		STRING(0:254)
image_data		BASE64BINARY
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, test_order_seq, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">meas_sample_test</a> (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, test_order_seq)	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, test_order_seq
	<a href="#">test_result_btype</a> (strb_db_site, strb_db_id, str_blob_type_code)	strb_db_site, strb_db_id, str_blob_type_code
	<a href="#">blob_data_type</a> (strb_db_site, strb_db_id, str_blob_type_code)	bd_db_site, bd_db_id, bd_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #214 test\_histogram

### Description: Measurement Sample Test Histogram

Note: The constant screen width = (max\_screen\_in\_eu – min\_screen\_in\_eu) / resolution\_lines. The screen size of the first histogram value in histogram\_data = min\_screen\_in\_eu + constant screen width.  
Histogram\_data is a variable-length binary field, containing 4-byte IEEE float real values for each line of resolution in the histogram

Column	Description	Size/Type
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
sample_order_seq		INT NOT NULL
test_order_seq		INT NOT NULL
ordering_seq		INT NOT NULL
strn_db_site		INT NOT NULL
strn_db_id		INT NOT NULL
str_num_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
min_screen_in_eu		INT NOT NULL
max_screen_in_eu		INT NOT NULL
resolution_lines		INT NOT NULL
name		STRING(0:254)
histogram_data		BASE64BINARY
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, test_order_seq, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">meas_sample_test</a> (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, test_order_seq)	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, test_order_seq
	<a href="#">test_result_ntype</a> (strn_db_site, strn_db_id, str_num_type_code)	strn_db_site, strn_db_id, str_num_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id,	eu_db_site, eu_db_id,

	eu_type_code)	eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#287 test\_remark****Description: Measurement Sample Test Remark**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
sample_order_seq		INT NOT NULL
test_order_seq		INT NOT NULL
ordering_seq		INT NOT NULL
remark_text		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, test_order_seq, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">meas_sample_test</a> (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, test_order_seq)	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq, test_order_seq
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## **BLOB Drawing / Photographic / Document Tables**

### **#224 sg\_type\_blob\_data**

**Description: Segment Type Binary Data Related To a Specific Database**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
db_site		INT NOT NULL
db_id		INT NOT NULL
sg_db_site		INT NOT NULL
sg_db_id		INT NOT NULL
sg_type_code		INT NOT NULL
bd_db_site		INT NOT NULL
bd_db_id		INT NOT NULL
bd_type_code		INT NOT NULL
ordering_seq		INT NOT NULL
blct_db_site		INT NOT NULL
blct_db_id		INT NOT NULL
blc_type_code		INT NOT NULL
name		STRING(0:254)
assoc_file_name		STRING(0:254)
image_data		BASE64BINARY
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	db_site, db_id
	<a href="#">segment_type</a> (sg_db_site, sg_db_id, sg_type_code)	sg_db_site, sg_db_id, sg_type_code
	<a href="#">blob_data_type</a> (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	<a href="#">blob_content_type</a> (blct_db_site, blct_db_id, blc_type_code)	blct_db_site, blct_db_id, blc_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
db_site		INT NOT NULL
db_id		INT NOT NULL
as_db_site		INT NOT NULL
as_db_id		INT NOT NULL
as_type_code		INT NOT NULL
bd_db_site		INT NOT NULL
bd_db_id		INT NOT NULL
bd_type_code		INT NOT NULL
ordering_seq		INT NOT NULL
blct_db_site		INT NOT NULL
blct_db_id		INT NOT NULL
blc_type_code		INT NOT NULL
name		STRING(0:254)
assoc_file_name		STRING(0:254)
image_data		BASE64BINARY
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	db_site, db_id
	<a href="#">asset_type</a> (as_db_site, as_db_id, as_type_code)	as_db_site, as_db_id, as_type_code
	<a href="#">blob_data_type</a> (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	<a href="#">blob_content_type</a> (blct_db_site, blct_db_id, blc_type_code)	blct_db_site, blct_db_id, blc_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#188 segment\_blob\_data****Description: Segment Binary Data Related To a Specific Database**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
db_site		INT NOT NULL
db_id		INT NOT NULL
segment_site		INT NOT NULL
segment_id		INT NOT NULL
bd_db_site		INT NOT NULL
bd_db_id		INT NOT NULL
bd_type_code		INT NOT NULL
ordering_seq		INT NOT NULL
blct_db_site		INT NOT NULL
blct_db_id		INT NOT NULL
blc_type_code		INT NOT NULL
name		STRING(0:254)
assoc_file_name	In addition to blob	STRING(0:254)
image_data		BASE64BINARY
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	db_site, db_id
	<a href="#">segment</a> (segment_site, segment_id)	segment_site, segment_id
	<a href="#">blob_data_type</a> (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	<a href="#">blob_content_type</a> (blct_db_site, blct_db_id, blc_type_code)	blct_db_site, blct_db_id, blc_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#220 model\_blob\_data****Description: Model Binary Data Related To a Specific Database**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
db_site		INT NOT NULL
db_id		INT NOT NULL
mf_db_site		INT NOT NULL
mf_db_id		INT NOT NULL
mf_duns_code		INT NOT NULL
model_number		STRING(0:254) NOT NULL
revision_number		INT NOT NULL
bd_db_site		INT NOT NULL
bd_db_id		INT NOT NULL
bd_type_code		INT NOT NULL
ordering_seq		INT NOT NULL
blct_db_site		INT NOT NULL
blct_db_id		INT NOT NULL
blc_type_code		INT NOT NULL
name		STRING(0:254)
assoc_file_name		STRING(0:254)
image_data		BASE64BINARY
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	db_site, db_id, mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number, bd_db_site, bd_db_id, bd_type_code, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	db_site, db_id
	<a href="#">model</a> (mf_db_site, mf_db_id, mf_type_code, model_number, revision_number)	mf_db_site, mf_db_id, mf_type_code, model_number, revision_number
	<a href="#">blob_data_type</a> (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	<a href="#">blob_content_type</a> (blct_db_site, blct_db_id, blc_type_code)	blct_db_site, blct_db_id, blc_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#189 asset\_blob\_data****Description: Asset Binary Data Related To a Specific Database**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
db_site		INT NOT NULL
db_id		INT NOT NULL
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
bd_db_site		INT NOT NULL
bd_db_id		INT NOT NULL
bd_type_code		INT NOT NULL
ordering_seq		INT NOT NULL
blct_db_site		INT NOT NULL
blct_db_id		INT NOT NULL
blc_type_code		INT NOT NULL
name		STRING(0:254)
assoc_file_name	In addition to blob	STRING(0:254)
image_data		BASE64BINARY
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	db_site, db_id
	<a href="#">asset</a> (asset_org_site, asset_id)	asset_org_site, asset_id
	<a href="#">blob_data_type</a> (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	<a href="#">blob_content_type</a> (blct_db_site, blct_db_id, blc_type_code)	blct_db_site, blct_db_id, blc_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#190 olist\_blob\_data****Description: Ordered List Binary Data Related To a Specific Database**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
db_site		INT NOT NULL
db_id		INT NOT NULL
ord_list_db_site		INT NOT NULL
ord_list_db_id		INT NOT NULL
ord_list_id		INT NOT NULL
bd_db_site		INT NOT NULL
bd_db_id		INT NOT NULL
bd_type_code		INT NOT NULL
ordering_seq		INT NOT NULL
blct_db_site		INT NOT NULL
blct_db_id		INT NOT NULL
blc_type_code		INT NOT NULL
name		STRING(0:254)
assoc_file_name		STRING(0:254)
image_data		BASE64BINARY
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	db_site, db_id, ord_list_db_site, ord_list_db_id, ord_list_id, bd_db_site, bd_db_id, bd_type_code, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	db_site, db_id
	<a href="#">ordered_list</a> (ord_list_db_site, ord_list_db_id, ord_id)	ord_list_db_site, ord_list_db_id, ord_list_id
	<a href="#">blob_data_type</a> (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	<a href="#">blob_content_type</a> (blct_db_site, blct_db_id, blc_type_code)	blct_db_site, blct_db_id, blc_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## **Function Data Tables**

### **#264 sg\_type\_function**

**Description: Function Codes, Descriptions of a Service Segment Type**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
db_site		INT NOT NULL
db_id		INT NOT NULL
sg_db_site		INT NOT NULL
sg_db_id		INT NOT NULL
sg_type_code		INT NOT NULL
ordering_seq		INT NOT NULL
user_tag_id		STRING(0:254) NOT NULL
name		STRING(0:254)
gmt_created		DATETIME(10:29)
cr_loc_hr_delta		SHORT
cr_loc_min_delta		SHORT
by_org_asite		INT
by_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	db_site, db_id, sg_db_site, sg_db_id, sg_type_code, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	db_site, db_id
	<a href="#">segment_type</a> (sg_db_site, sg_db_id, sg_type_code)	sg_db_site, sg_db_id, sg_type_code
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#265 as\_type\_function****Description: Function Codes, Descriptions of an Asset Type**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
db_site		INT NOT NULL
db_id		INT NOT NULL
as_db_site		INT NOT NULL
as_db_id		INT NOT NULL
as_type_code		INT NOT NULL
ordering_seq		INT NOT NULL
user_tag_id		STRING(0:254) NOT NULL
name		STRING(0:254)
gmt_created		DATETIME(10:29)
cr_loc_hr_delta		SHORT
cr_loc_min_delta		SHORT
by_org_asite		INT
by_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	db_site, db_id, as_db_site, as_db_id, as_type_code, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	db_site, db_id
	<a href="#">asset_type</a> (as_db_site, as_db_id, as_type_code)	as_db_site, as_db_id, as_type_code
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#268 model\_function****Description: Function Codes, Descriptions of a Model**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
db_site		INT NOT NULL
db_id		INT NOT NULL
mf_db_site		INT NOT NULL
mf_db_id		INT NOT NULL
mf_duns_code		INT NOT NULL
model_number		STRING(0:254) NOT NULL
revision_number		INT NOT NULL
ordering_seq		INT NOT NULL
user_tag_id		STRING(0:254) NOT NULL
name		STRING(0:254)
gmt_created		DATETIME(10:29)
cr_loc_hr_delta		SHORT
cr_loc_min_delta		SHORT
by_org_asite		INT
by_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	db_site, db_id, mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	db_site, db_id
	<a href="#">model</a> (mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number)	mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#226 segment\_function****Description: Function Codes, Descriptions of a Service Segment**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
db_site		INT NOT NULL
db_id		INT NOT NULL
segment_site		INT NOT NULL
segment_id		INT NOT NULL
ordering_seq		INT NOT NULL
user_tag_id		STRING(0:254) NOT NULL
name		STRING(0:254)
gmt_created		DATETIME(10:29)
cr_loc_hr_delta		SHORT
cr_loc_min_delta		SHORT
by_org_asite		INT
by_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	db_site, db_id, segment_site, segment_id, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	db_site, db_id
	<a href="#">segment</a> (segment_site, segment_id)	segment_site, segment_id
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#227 asset\_function****Description: Function Codes, Descriptions of an Asset**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
db_site		INT NOT NULL
db_id		INT NOT NULL
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
ordering_seq		INT NOT NULL
user_tag_id		STRING(0:254) NOT NULL
name		STRING(0:254)
gmt_created		DATETIME(10:29)
cr_loc_hr_delta		SHORT
cr_loc_min_delta		SHORT
by_org_asite		INT
by_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	db_site, db_id, asset_site, asset_id, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	db_site, db_id
	<a href="#">asset</a> (asset_org_site, asset_id)	asset_org_site, asset_id
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## **Actual Event / Hypothesized Event / Proposed Event / Event Causal Networks Tables**

### **#240 sg\_typ\_hyp\_event**

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sgt_hyp_db_site		INT NOT NULL
sgt_hyp_db_id		INT NOT NULL
sgt_hyp_event_id		INT NOT NULL
sg_db_site		INT NOT NULL
sg_db_id		INT NOT NULL
sg_type_code		INT NOT NULL
ev_db_site		INT NOT NULL
ev_db_id		INT NOT NULL
event_type_code		INT NOT NULL
severity_rank		INT
gmt_created		DATETIME(10:29)
cr_loc_hr_delta		SHORT
cr_loc_min_delta		SHORT
by_org_asite		INT
by_agent_id		INT
name		STRING(0:254)
associated_blob	Associated document, drawing, etc.	BASE64BINARY
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	sgt_hyp_db_site, sgt_hyp_db_id, sgt_hyp_event_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	sgt_hyp_db_site, sgt_hyp_db_id
	<a href="#">segment_type</a> (sg_db_site, sg_db_id, sg_type_code)	sg_db_site, sg_db_id, sg_type_code
	<a href="#">sg_as_event_type</a> (ev_db_site, ev_db_id, event_type_code)	ev_db_site, ev_db_id, event_type_code
	<a href="#">severity_type</a> (severity_rank)	severity_rank
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
ast_hyp_db_site		INT NOT NULL
ast_hyp_db_id		INT NOT NULL
ast_hyp_event_id		INT NOT NULL
as_db_site		INT NOT NULL
as_db_id		INT NOT NULL
as_type_code		INT NOT NULL
ev_db_site		INT NOT NULL
ev_db_id		INT NOT NULL
event_type_code		INT NOT NULL
severity_rank		INT
gmt_created		DATETIME(10:29)
cr_loc_hr_delta		SHORT
cr_loc_min_delta		SHORT
by_org_asite		INT
by_agent_id		INT
name		STRING(0:254)
associated_blob	Associated document, drawing, etc.	BASE64BINARY
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	ast_hyp_db_site, ast_hyp_db_id
	<a href="#">asset_type</a> (as_db_site, as_db_id, as_type_code)	as_db_site, as_db_id, as_type_code
	<a href="#">sq_as_event_type</a> (ev_db_site, ev_db_id, event_type_code)	ev_db_site, ev_db_id, event_type_code
	<a href="#">severity_type</a> (severity_rank)	severity_rank
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
mod_hyp_db_site		INT NOT NULL
mod_hyp_db_id		INT NOT NULL
mod_hyp_event_id		INT NOT NULL
mf_db_site		INT NOT NULL
mf_db_id		INT NOT NULL
mf_duns_code		INT NOT NULL
model_number		STRING(0:254) NOT NULL
revision_number		INT NOT NULL
ev_db_site		INT NOT NULL
ev_db_id		INT NOT NULL
event_type_code		INT NOT NULL
severity_rank		INT
gmt_created		DATETIME(10:29)
cr_loc_hr_delta		SHORT
cr_loc_min_delta		SHORT
by_org_asite		INT
by_agent_id		INT
name		STRING(0:254)
associated_blob	Associated document, drawing, etc.	BASE64BINARY
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	mod_hyp_db_site, mod_hyp_db_id
	<a href="#">model</a> (mf_db_site, mf_db_id, mf_type_code, model_number, revision_number)	mf_db_site, mf_db_id, mf_type_code, model_number, revision_number
	<a href="#">sq_as_event_type</a> (ev_db_site, ev_db_id, event_type_code)	ev_db_site, ev_db_id, event_type_code
	<a href="#">severity_type</a> (severity_rank)	severity_rank
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_hyp_db_site		INT NOT NULL
sg_hyp_db_id		INT NOT NULL
sg_hyp_event_id		INT NOT NULL
segment_site		INT NOT NULL
segment_id		INT NOT NULL
ev_db_site		INT NOT NULL
ev_db_id		INT NOT NULL
event_type_code		INT NOT NULL
severity_rank		INT
gmt_created		DATETIME(10:29)
cr_loc_hr_delta		SHORT
cr_loc_min_delta		SHORT
by_org_asite		INT
by_agent_id		INT
name		STRING(0:254)
associated_blob	Associated document, drawing, etc.	BASE64BINARY
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	sg_hyp_db_site, sg_hyp_db_id
	<a href="#">segment</a> (segment_site, segment_id)	segment_site, segment_id
	<a href="#">sg_as_event_type</a> (ev_db_site, ev_db_id, event_type_code)	ev_db_site, ev_db_id, event_type_code
	<a href="#">severity_type</a> (severity_rank)	severity_rank
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#231 as\_hyp\_event**

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_hyp_db_site		INT NOT NULL
as_hyp_db_id		INT NOT NULL
as_hyp_event_id		INT NOT NULL
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
ev_db_site		INT NOT NULL
ev_db_id		INT NOT NULL
event_type_code		INT NOT NULL
severity_rank		INT
gmt_created		DATETIME(10:29)
cr_loc_hr_delta		SHORT
cr_loc_min_delta		SHORT
by_org_asite		INT
by_agent_id		INT
name		STRING(0:254)
associated_blob	Associated document, drawing, etc.	BASE64BINARY
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	as_hyp_db_site, as_hyp_db_id, as_hyp_event_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	as_hyp_db_site, as_hyp_db_id
	<a href="#">asset</a> (asset_org_site, asset_id)	asset_org_site, asset_id
	<a href="#">sq_as_event_type</a> (ev_db_site, ev_db_id, event_type_code)	ev_db_site, ev_db_id, event_type_code
	<a href="#">severity_type</a> (severity_rank)	severity_rank
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
sgt_hyp_db_site		INT NOT NULL
sgt_hyp_db_id		INT NOT NULL
sgt_hyp_event_id		INT NOT NULL
caused_db_site		INT NOT NULL
caused_db_id		INT NOT NULL
caused_event_id		INT NOT NULL
likelihood_prob	Likelihood probability between 0 and 1	DOUBLE
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sg_typ_hyp_event</a> (sgt_hyp_db_site, sgt_hyp_db_id, sgt_hyp_event_id)	sgt_hyp_db_site, sgt_hyp_db_id, sgt_hyp_event_id
	<a href="#">sg_typ_hyp_event</a> (sgt_hyp_db_site, sgt_hyp_db_id, sgt_hyp_event_id)	caused_db_site, caused_db_id, caused_event_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
ast_hyp_db_site		INT NOT NULL
ast_hyp_db_id		INT NOT NULL
ast_hyp_event_id		INT NOT NULL
caused_db_site		INT NOT NULL
caused_db_id		INT NOT NULL
caused_event_id		INT NOT NULL
likelihood_prob	Likelihood probability between 0 and 1	DOUBLE
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">as_typ_hyp_event</a> (ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id)	ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id
	<a href="#">as_typ_hyp_event</a> (ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id)	caused_db_site, caused_db_id, caused_event_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
mod_hyp_db_site		INT NOT NULL
mod_hyp_db_id		INT NOT NULL
mod_hyp_event_id		INT NOT NULL
caused_db_site		INT NOT NULL
caused_db_id		INT NOT NULL
caused_event_id		INT NOT NULL
likelihood_prob	Likelihood probability between 0 and 1	DOUBLE
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">model_hyp_event</a> (mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id)	mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id
	<a href="#">model_hyp_event</a> (mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id)	caused_db_site, caused_db_id, caused_event_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_hyp_db_site		INT NOT NULL
sg_hyp_db_id		INT NOT NULL
sg_hyp_event_id		INT NOT NULL
caused_db_site		INT NOT NULL
caused_db_id		INT NOT NULL
caused_event_id		INT NOT NULL
likelihood_prob	Likelihood probability between 0 and 1	DOUBLE
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sg_hyp_event</a> (sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id)	sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id
	<a href="#">sg_hyp_event</a> (sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id)	caused_db_site, caused_db_id, caused_event_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_hyp_db_site		INT NOT NULL
as_hyp_db_id		INT NOT NULL
as_hyp_event_id		INT NOT NULL
caused_db_site		INT NOT NULL
caused_db_id		INT NOT NULL
caused_event_id		INT NOT NULL
likelihood_prob	Likelihood probability between 0 and 1	DOUBLE
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">as_hyp_event</a> (as_hyp_db_site, as_hyp_db_id, as_hyp_event_id)	as_hyp_db_site, as_hyp_db_id, as_hyp_event_id
	<a href="#">as_hyp_event</a> (as_hyp_db_site, as_hyp_db_id, as_hyp_event_id)	caused_db_site, caused_db_id, caused_event_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
sgt_hyp_db_site		INT NOT NULL
sgt_hyp_db_id		INT NOT NULL
sgt_hyp_event_id		INT NOT NULL
en_db_site		INT NOT NULL
en_db_id		INT NOT NULL
en_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sg_typ_hyp_event</a> (sgt_hyp_db_site, sgt_hyp_db_id, sgt_hyp_event_id)	sgt_hyp_db_site, sgt_hyp_db_id, sgt_hyp_event_id
	<a href="#">ev_num_data_type</a> (en_db_site, en_db_id, en_type_code)	en_db_site, en_db_id, en_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
ast_hyp_db_site		INT NOT NULL
ast_hyp_db_id		INT NOT NULL
ast_hyp_event_id		INT NOT NULL
en_db_site		INT NOT NULL
en_db_id		INT NOT NULL
en_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">as_typ_hyp_event</a> (ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id)	ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id
	<a href="#">ev_num_data_type</a> (en_db_site, en_db_id, en_type_code)	en_db_site, en_db_id, en_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#248 model\_hyp\_ev\_num\_data****Description: Model Hypothetical Event Numeric Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
mod_hyp_db_site		INT NOT NULL
mod_hyp_db_id		INT NOT NULL
mod_hyp_event_id		INT NOT NULL
en_db_site		INT NOT NULL
en_db_id		INT NOT NULL
en_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">model_hyp_event</a> (mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id)	mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id
	<a href="#">ev_num_data_type</a> (en_db_site, en_db_id, en_type_code)	en_db_site, en_db_id, en_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#234 sg\_hyp\_ev\_num\_data****Description: Segment Hypothetical Event Numeric Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_hyp_db_site		INT NOT NULL
sg_hyp_db_id		INT NOT NULL
sg_hyp_event_id		INT NOT NULL
en_db_site		INT NOT NULL
en_db_id		INT NOT NULL
en_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sg_hyp_event</a> (sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id)	sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id
	<a href="#">ev_num_data_type</a> (en_db_site, en_db_id, en_type_code)	en_db_site, en_db_id, en_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#235 as\_hyp\_ev\_num\_data****Description: Asset Hypothetical Event Numeric Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_hyp_db_site		INT NOT NULL
as_hyp_db_id		INT NOT NULL
as_hyp_event_id		INT NOT NULL
en_db_site		INT NOT NULL
en_db_id		INT NOT NULL
en_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">as_hyp_event</a> (as_hyp_db_site, as_hyp_db_id, as_hyp_event_id)	as_hyp_db_site, as_hyp_db_id, as_hyp_event_id
	<a href="#">ev_num_data_type</a> (en_db_site, en_db_id, en_type_code)	en_db_site, en_db_id, en_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sgt_hyp_db_site		INT NOT NULL
sgt_hyp_db_id		INT NOT NULL
sgt_hyp_event_id		INT NOT NULL
db_site		INT NOT NULL
db_id		INT NOT NULL
sg_db_site		INT NOT NULL
sg_db_id		INT NOT NULL
sg_type_code		INT NOT NULL
ordering_seq		INT NOT NULL
name		STRING(0:254)
by_org_asite		INT
by_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sg_typ_hyp_event</a> (sgt_hyp_db_site, sgt_hyp_db_id, sgt_hyp_event_id)	sgt_hyp_db_site, sgt_hyp_db_id, sgt_hyp_event_id
	<a href="#">sg_type_function</a> (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
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ast_hyp_db_site		INT NOT NULL
ast_hyp_db_id		INT NOT NULL
ast_hyp_event_id		INT NOT NULL
db_site		INT NOT NULL
db_id		INT NOT NULL
as_db_site		INT NOT NULL
as_db_id		INT NOT NULL
as_type_code		INT NOT NULL
ordering_seq		INT NOT NULL
name		STRING(0:254)
by_org_asite		INT
by_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">as_typ_hyp_event</a> (ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id)	ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id
	<a href="#">as_type_function</a> (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
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#269 model\_hyp\_ev\_func****Description: Model Hypothetical Events Linked to Functions Affected**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
mod_hyp_db_site		INT NOT NULL
mod_hyp_db_id		INT NOT NULL
mod_hyp_event_id		INT NOT NULL
db_site		INT NOT NULL
db_id		INT NOT NULL
mf_db_site		INT NOT NULL
mf_db_id		INT NOT NULL
mf_duns_code		INT NOT NULL
model_number		STRING(0:254) NOT NULL
revision_number		INT NOT NULL
ordering_seq		INT NOT NULL
name		STRING(0:254)
by_org_asite		INT
by_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id, db_site, db_id, mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">model_hyp_event</a> (mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id)	mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id
	<a href="#">model_function</a> (db_site, db_id, mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number, ordering_seq)	db_site, db_id, mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number, ordering_seq
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#236 sg\_hyp\_ev\_sg\_func****Description: Segment Hypothetical Events Linked to Functions Affected**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_hyp_db_site		INT NOT NULL
sg_hyp_db_id		INT NOT NULL
sg_hyp_event_id		INT NOT NULL
db_site		INT NOT NULL
db_id		INT NOT NULL
segment_site		INT NOT NULL
segment_id		INT NOT NULL
ordering_seq		INT NOT NULL
name		STRING(0:254)
by_org_asite		INT
by_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sg_hyp_event</a> (sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id)	sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id
	<a href="#">segment_function</a> (db_site, db_id, segment_site, segment_id, ordering_seq)	db_site, db_id, segment_site, segment_id, ordering_seq
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#237 as\_hyp\_ev\_as\_func****Description: Asset Hypothetical Events Linked to Functions Affected**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_hyp_db_site		INT NOT NULL
as_hyp_db_id		INT NOT NULL
as_hyp_event_id		INT NOT NULL
db_site		INT NOT NULL
db_id		INT NOT NULL
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
ordering_seq		INT NOT NULL
name		STRING(0:254)
by_org_asite		INT
by_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">as_hyp_event</a> (as_hyp_db_site, as_hyp_db_id, as_hyp_event_id)	as_hyp_db_site, as_hyp_db_id, as_hyp_event_id
	<a href="#">asset_function</a> (db_site, db_id, asset_site, asset_id, ordering_seq)	db_site, db_id, asset_org_site, asset_id, ordering_seq
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#250 sg\_proposed\_event**

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_prop_db_site		INT NOT NULL
sg_prop_db_id		INT NOT NULL
sg_prop_event_id		INT NOT NULL
segment_site		INT NOT NULL
segment_id		INT NOT NULL
ev_db_site		INT NOT NULL
ev_db_id		INT NOT NULL
event_type_code		INT NOT NULL
severity_rank	Severity level of proposed event	INT
gmt_proposed	Timestamp when proposed as an event	DATETIME(10:29)
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	SHORT
by_org_asite	Agent who proposed event	INT
by_agent_id	Agent who proposed event	INT
likelihood_prob	Likelihood probability between 0 and 1	DOUBLE
est_gmt_start	Estimated GMT event started or will start	DATETIME(10:29)
st_loc_hr_delta	Hours from GMT for local start time	SHORT
st_loc_min_delta	Minutes from GMT for local start time	SHORT
est_gmt_occur_end	Estimated GMT event ended or will end	DATETIME(10:29)
end_loc_hr_delta	Hours from GMT for local end time	SHORT
end_loc_min_delta	Minutes from GMT for local end time	SHORT
ch_patt_db_site	Change Pattern Code	INT
ch_patt_db_id	Change Pattern Code	INT
ch_patt_type_code	Change Pattern Code	INT
name	Description	STRING(0:254)
gmt_audited	GMT proposed event audited	DATETIME(10:29)
aud_loc_hr_delta	Hours from GMT for local audit time	SHORT
aud_loc_min_delta	Minutes from GMT for local audit time	SHORT
aud_quality_code	Audit Quality Code (proposed event, not inspected, good / confirmed, bad / incorrect, or under review)	INT
aud_by_org_asite	Audited by Agent	INT
aud_by_agent_id	Audited by Agent	INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	

	sg_prop_db_site, sg_prop_db_id, sg_prop_event_id	
<b>Foreign Keys</b>	<b>Foreign Table (Column(s))</b>	<b>Column(s)</b>
	<a href="#">site_database</a> (db_site, db_id)	sg_prop_db_site, sg_prop_db_id
	<a href="#">segment</a> (segment_site, segment_id)	segment_site, segment_id
	<a href="#">sg_as_event_type</a> (ev_db_site, ev_db_id, event_type_code)	ev_db_site, ev_db_id, event_type_code
	<a href="#">severity_type</a> (severity_rank)	severity_rank
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">change_patt_type</a> (ch_patt_db_site, ch_patt_db_id, ch_patt_type_code)	ch_patt_db_site, ch_patt_db_id, ch_patt_type_code
	<a href="#">data_qual_type</a> (dqual_type_code)	aud_quality_code
	<a href="#">agent</a> (org_agent_site, agent_id)	aud_by_org_asite, aud_by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#251 as\_proposed\_event**

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_prop_db_site		INT NOT NULL
as_prop_db_id		INT NOT NULL
as_prop_event_id		INT NOT NULL
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
ev_db_site		INT NOT NULL
ev_db_id		INT NOT NULL
event_type_code		INT NOT NULL
severity_rank	Severity level of proposed event	INT
gmt_proposed	Timestamp when proposed as an event	DATETIME(10:29)
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	SHORT
by_org_asite	Agent who proposed event	INT
by_agent_id	Agent who proposed event	INT
liklihood_prob	Likelihood probability between 0 and 1	DOUBLE
est_gmt_start	Estimated GMT event started or will start	DATETIME(10:29)
st_loc_hr_delta	Hours from GMT for local start time	SHORT
st_loc_min_delta	Minutes from GMT for local start time	SHORT
est_gmt_occur_end	Estimated GMT event ended or will end	DATETIME(10:29)
end_loc_hr_delta	Hours from GMT for local end time	SHORT
end_loc_min_delta	Minutes from GMT for local end time	SHORT
ch_patt_db_site	Change Pattern Code	INT
ch_patt_db_id	Change Pattern Code	INT
ch_patt_type_code	Change Pattern Code	INT
name	Description	STRING(0:254)
gmt_audited	GMT proposed event audited	DATETIME(10:29)
aud_loc_hr_delta	Hours from GMT for local audit time	SHORT
aud_loc_min_delta	Minutes from GMT for local audit time	SHORT
aud_quality_code	Audit Quality Code (proposed event, not inspected, good / confirmed, bad / incorrect, or under review)	INT
aud_by_org_asite	Audited by Agent	INT
aud_by_agent_id	Audited by Agent	INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	

	as_prop_db_site, as_prop_db_id, as_prop_event_id	
<b>Foreign Keys</b>	<b>Foreign Table (Column(s))</b>	<b>Column(s)</b>
	<a href="#">site_database</a> (db_site, db_id)	as_prop_db_site, as_prop_db_id
	<a href="#">asset</a> (asset_org_site, asset_id)	asset_org_site, asset_id
	<a href="#">sq_as_event_type</a> (ev_db_site, ev_db_id, event_type_code)	ev_db_site, ev_db_id, event_type_code
	<a href="#">severity_type</a> (severity_rank)	severity_rank
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">change_patt_type</a> (ch_patt_db_site, ch_patt_db_id, ch_patt_type_code)	ch_patt_db_site, ch_patt_db_id, ch_patt_type_code
	<a href="#">data_qual_type</a> (dqual_type_code)	aud_quality_code
	<a href="#">agent</a> (org_agent_site, agent_id)	aud_by_org_asite, aud_by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_prop_db_site		INT NOT NULL
sg_prop_db_id		INT NOT NULL
sg_prop_event_id		INT NOT NULL
caused_db_site		INT NOT NULL
caused_db_id		INT NOT NULL
caused_event_id		INT NOT NULL
likelihood_prob	Likelihood probability between 0 and 1	DOUBLE
name	Description	STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sg_proposed_event</a> (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id)	sg_prop_db_site, sg_prop_db_id, sg_prop_event_id
	<a href="#">sg_proposed_event</a> (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id)	caused_db_site, caused_db_id, caused_event_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_prop_db_site		INT NOT NULL
as_prop_db_id		INT NOT NULL
as_prop_event_id		INT NOT NULL
caused_db_site		INT NOT NULL
caused_db_id		INT NOT NULL
caused_event_id		INT NOT NULL
likelihood_prob	Likelihood probability between 0 and 1	DOUBLE
name	Description	STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">as_proposed_event</a> (as_prop_db_site, as_prop_db_id, as_prop_event_id)	as_prop_db_site, as_prop_db_id, as_prop_event_id
	<a href="#">as_proposed_event</a> (as_prop_db_site, as_prop_db_id, as_prop_event_id)	caused_db_site, caused_db_id, caused_event_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#254 sg\_prop\_ev\_ndat****Description: Segment Proposed Event Numeric Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_prop_db_site		INT NOT NULL
sg_prop_db_id		INT NOT NULL
sg_prop_event_id		INT NOT NULL
en_db_site		INT NOT NULL
en_db_id		INT NOT NULL
en_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sg_proposed_event</a> (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id)	sg_prop_db_site, sg_prop_db_id, sg_prop_event_id
	<a href="#">ev_num_data_type</a> (en_db_site, en_db_id, en_type_code)	en_db_site, en_db_id, en_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#255 as\_prop\_ev\_ndat****Description: Asset Proposed Event Numeric Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_prop_db_site		INT NOT NULL
as_prop_db_id		INT NOT NULL
as_prop_event_id		INT NOT NULL
en_db_site		INT NOT NULL
en_db_id		INT NOT NULL
en_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">as_proposed_event</a> (as_prop_db_site, as_prop_db_id, as_prop_event_id)	as_prop_db_site, as_prop_db_id, as_prop_event_id
	<a href="#">ev_num_data_type</a> (en_db_site, en_db_id, en_type_code)	en_db_site, en_db_id, en_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_prop_db_site		INT NOT NULL
sg_prop_db_id		INT NOT NULL
sg_prop_event_id		INT NOT NULL
sg_hypev_db_site		INT NOT NULL
sg_hypev_db_id		INT NOT NULL
sg_hyp_event_id		INT NOT NULL
name		STRING(0:254)
by_org_asite		INT
by_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sg_proposed_event</a> (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id)	sg_prop_db_site, sg_prop_db_id, sg_prop_event_id
	<a href="#">sg_hyp_event</a> (sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id)	sg_hypev_db_site, sg_hypev_db_id, sg_hyp_event_id
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_prop_db_site		INT NOT NULL
as_prop_db_id		INT NOT NULL
as_prop_event_id		INT NOT NULL
as_hypev_db_site		INT NOT NULL
as_hypev_db_id		INT NOT NULL
as_hyp_event_id		INT NOT NULL
name		STRING(0:254)
by_org_asite		INT
by_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">as_proposed_event</a> (as_prop_db_site, as_prop_db_id, as_prop_event_id)	as_prop_db_site, as_prop_db_id, as_prop_event_id
	<a href="#">as_hyp_event</a> (as_hyp_db_site, as_hyp_db_id, as_hyp_event_id)	as_hypev_db_site, as_hypev_db_id, as_hyp_event_id
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#258 sg\_prop\_ev\_sg\_ev**

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_prop_db_site		INT NOT NULL
sg_prop_db_id		INT NOT NULL
sg_prop_event_id		INT NOT NULL
segment_site		INT NOT NULL
segment_id		INT NOT NULL
ev_db_site		INT NOT NULL
ev_db_id		INT NOT NULL
event_type_code		INT NOT NULL
gmt_event_start		DATETIME(10:29) NOT NULL
name		STRING(0:254)
by_org_asite		INT
by_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sg_proposed_event</a> (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id)	sg_prop_db_site, sg_prop_db_id, sg_prop_event_id
	<a href="#">segment_event</a> (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
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_prop_db_site		INT NOT NULL
as_prop_db_id		INT NOT NULL
as_prop_event_id		INT NOT NULL
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
ev_db_site		INT NOT NULL
ev_db_id		INT NOT NULL
event_type_code		INT NOT NULL
gmt_event_start		DATETIME(10:29) NOT NULL
name		STRING(0:254)
by_org_asite		INT
by_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">as_proposed_event</a> (as_prop_db_site, as_prop_db_id, as_prop_event_id)	as_prop_db_site, as_prop_db_id, as_prop_event_id
	<a href="#">asset_event</a> (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
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_prop_db_site		INT NOT NULL
sg_prop_db_id		INT NOT NULL
sg_prop_event_id		INT NOT NULL
db_site		INT NOT NULL
db_id		INT NOT NULL
segment_site		INT NOT NULL
segment_id		INT NOT NULL
ordering_seq		INT NOT NULL
name		STRING(0:254)
by_org_asite		INT
by_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sg_proposed_event</a> (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id)	sg_prop_db_site, sg_prop_db_id, sg_prop_event_id
	<a href="#">segment_function</a> (db_site, db_id, segment_site, segment_id, ordering_seq)	db_site, db_id, segment_site, segment_id, ordering_seq
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#263 as\_prop\_ev\_sg\_func****Description: Proposed Asset Events Linked to Functions Affected**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_prop_db_site		INT NOT NULL
as_prop_db_id		INT NOT NULL
as_prop_event_id		INT NOT NULL
db_site		INT NOT NULL
db_id		INT NOT NULL
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
ordering_seq		INT NOT NULL
name		STRING(0:254)
by_org_asite		INT
by_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">as_proposed_event</a> (as_prop_db_site, as_prop_db_id, as_prop_event_id)	as_prop_db_site, as_prop_db_id, as_prop_event_id
	<a href="#">asset_function</a> (db_site, db_id, asset_site, asset_id, ordering_seq)	db_site, db_id, asset_org_site, asset_id, ordering_seq
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_prop_db_site		INT NOT NULL
sg_prop_db_id		INT NOT NULL
sg_prop_event_id		INT NOT NULL
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
name		STRING(0:254)
by_org_asite		INT
by_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sg_proposed_event</a> (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id)	sg_prop_db_site, sg_prop_db_id, sg_prop_event_id
	<a href="#">meas_event</a> (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_prop_db_site		INT NOT NULL
as_prop_db_id		INT NOT NULL
as_prop_event_id		INT NOT NULL
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
name		STRING(0:254)
by_org_asite		INT
by_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">as_proposed_event</a> (as_prop_db_site, as_prop_db_id, as_prop_event_id)	as_prop_db_site, as_prop_db_id, as_prop_event_id
	<a href="#">meas_event</a> (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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### #30 segment\_event

#### Description: Segment Event Table

This table 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

Column	Description	Size/Type
segment_site		INT NOT NULL
segment_id		INT NOT NULL
ev_db_site		INT NOT NULL
ev_db_id		INT NOT NULL
event_type_code		INT NOT NULL
gmt_event_start	Event start time (GMT)	DATETIME(10:29) NOT NULL
gmt_event_stop	Event end time (GMT)	DATETIME(10:29)
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	SHORT
gmt_stored	Time event record was stored in database (GMT)	DATETIME(10:29)
st_loc_hr_delta	Stored time local hour offset from GMT	SHORT
st_loc_min_delta	Stored time local minute offset from GMT	SHORT
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT

<u>Primary Key</u>	<u>Column(s)</u>	
	segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">segment</a> (segment_site, segment_id)	segment_site, segment_id
	<a href="#">sq_as_event_type</a> (ev_db_site, ev_db_id, event_type_code)	ev_db_site, ev_db_id, event_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #43    asset\_event

### Description: Asset Event Table

This table 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

Column	Description	Size/Type
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
ev_db_site		INT NOT NULL
ev_db_id		INT NOT NULL
event_type_code		INT NOT NULL
gmt_event_start	Event start time (GMT)	DATETIME(10:29) NOT NULL
gmt_event_stop	Event end time (GMT)	DATETIME(10:29)
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	SHORT
gmt_stored	Time event stored in database (GMT)	DATETIME(10:29)
st_loc_hr_delta	Store time local hour offset from GMT	SHORT
st_loc_min_delta	Store time local minute offset from GMT	SHORT
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT

<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">asset</a> (asset_org_site, asset_id)	asset_org_site, asset_id
	<a href="#">sq_as_event_type</a> (ev_db_site, ev_db_id, event_type_code)	ev_db_site, ev_db_id, event_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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

Column	Description	Size/Type
segment_site		INT NOT NULL
segment_id		INT NOT NULL
ev_db_site		INT NOT NULL
ev_db_id		INT NOT NULL
event_type_code		INT NOT NULL
gmt_event_start		DATETIME(10:29) NOT NULL
caused_sg_site		INT NOT NULL
caused_sg_id		INT NOT NULL
caused_ev_db_site		INT NOT NULL
caused_ev_db_id		INT NOT NULL
caused_ev_code		INT NOT NULL
caused_gmt		DATETIME(10:29) NOT NULL
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">segment_event</a> (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
	<a href="#">segment_event</a> (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
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
ev_db_site		INT NOT NULL
ev_db_id		INT NOT NULL
event_type_code		INT NOT NULL
gmt_event_start		DATETIME(10:29) NOT NULL
caused_as_site		INT NOT NULL
caused_as_id		INT NOT NULL
caused_ev_db_site		INT NOT NULL
caused_ev_db_id		INT NOT NULL
caused_ev_code		INT NOT NULL
caused_gmt		DATETIME(10:29) NOT NULL
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">asset_event</a> (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
	<a href="#">asset_event</a> (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
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#111 sg\_event\_num\_data****Description: Segment Event Numeric Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INT NOT NULL
segment_id		INT NOT NULL
ev_db_site		INT NOT NULL
ev_db_id		INT NOT NULL
event_type_code		INT NOT NULL
gmt_event_start		DATETIME(10:29) NOT NULL
en_db_site		INT NOT NULL
en_db_id		INT NOT NULL
en_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">segment_event</a> (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
	<a href="#">ev_num_data_type</a> (en_db_site, en_db_id, en_type_code)	en_db_site, en_db_id, en_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#113 as\_event\_num\_data****Description: Asset Event Numeric Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
ev_db_site		INT NOT NULL
ev_db_id		INT NOT NULL
event_type_code		INT NOT NULL
gmt_event_start		DATETIME(10:29) NOT NULL
en_db_site		INT NOT NULL
en_db_id		INT NOT NULL
en_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">asset_event</a> (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
	<a href="#">ev_num_data_type</a> (en_db_site, en_db_id, en_type_code)	en_db_site, en_db_id, en_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INT NOT NULL
segment_id		INT NOT NULL
ev_db_site		INT NOT NULL
ev_db_id		INT NOT NULL
event_type_code		INT NOT NULL
gmt_event_start		DATETIME(10:29) NOT NULL
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
name		STRING(0:254)
by_org_asite		INT
by_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">segment_event</a> (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
	<a href="#">meas_event</a> (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
ev_db_site		INT NOT NULL
ev_db_id		INT NOT NULL
event_type_code		INT NOT NULL
gmt_event_start		DATETIME(10:29) NOT NULL
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
name		STRING(0:254)
by_org_asite		INT
by_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">asset_event</a> (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
	<a href="#">meas_event</a> (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#228 sg\_ev\_sg\_func\_link****Description: Segment Events Linked to Functions Affected**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ev_segment_site		INT NOT NULL
ev_segment_id		INT NOT NULL
ev_db_site		INT NOT NULL
ev_db_id		INT NOT NULL
event_type_code		INT NOT NULL
gmt_event_start		DATETIME(10:29) NOT NULL
fn_db_site		INT NOT NULL
fn_db_id		INT NOT NULL
fn_segment_site		INT NOT NULL
fn_segment_id		INT NOT NULL
ordering_seq		INT NOT NULL
name		STRING(0:254)
by_org_asite		INT
by_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">segment_event</a> (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
	<a href="#">segment_function</a> (db_site, db_id, segment_site, segment_id, ordering_seq)	fn_db_site, fn_db_id, fn_segment_site, fn_segment_id, ordering_seq
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#229 as\_ev\_as\_func\_link****Description: Asset Events Linked to Functions Affected**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
ev_db_site		INT NOT NULL
ev_db_id		INT NOT NULL
event_type_code		INT NOT NULL
gmt_event_start		DATETIME(10:29) NOT NULL
db_site		INT NOT NULL
db_id		INT NOT NULL
fc_as_org_site		INT NOT NULL
fc_as_id		INT NOT NULL
ordering_seq		INT NOT NULL
name		STRING(0:254)
by_org_asite		INT NOT NULL
by_agent_id		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">asset_event</a> (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
	<a href="#">asset_function</a> (db_site, db_id, asset_site, asset_id, ordering_seq)	db_site, db_id, fc_as_org_site, fc_as_id, ordering_seq
	<a href="#">agent</a> (org_agent_site, agent_id)	by_org_asite, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## **Health and Estimated Life Assessment Tables**

### **#127 segment\_health**

**Description: Segment Health Assessment For Past / Present / Future**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INT NOT NULL
segment_id		INT NOT NULL
gmt_assessment	Assessment applies to this instant in time related to this segment	DATETIME(10:29) NOT NULL
by_agent_site	Agent who made the assessment / "Doctor"	INT NOT NULL
by_agent_id	Agent who made the assessment / Doctor	INT NOT NULL
loc_hr_delta	Local hours from GMT for gmt_assessment	SHORT
loc_min_delta	Local minutes from GMT for gmt_assessment	SHORT
hgrade_type_code	Health Grade Code (required)	INT NOT NULL
hgrade_float	Optional precise health grade float value between 0 and 10 (10 = perfect health)	DOUBLE
likelihood_prob	Likelihood probability between 0 and 1 that health assessment is accurate	DOUBLE
gmt_created	Health assessment created on timestamp	DATETIME(10:29)
cr_loc_hr_delta	Hours from GMT for creation timestamp	SHORT
cr_loc_min_delta	Minutes from GMT for creation timestamp	SHORT
ch_patt_db_site	Change Pattern Code	INT
ch_patt_db_id	Change Pattern Code	INT
ch_patt_type_code	Change Pattern Code	INT
gmt_audited	GMT proposed assessment audited	DATETIME(10:29)
aud_loc_hr_delta	Hours from GMT for local audit time	SHORT
aud_loc_min_delta	Minutes from GMT for local audit time	SHORT
aud_quality_code	Audit Quality Code (health assessment not inspected, good / confirmed, bad / incorrect, or under review)	INT
aud_by_org_asite	Audit Agent	INT
aud_by_agent_id	Audit Agent	INT
name	Description	STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	

	segment_site, segment_id, gmt_assessment, by_agent_site, by_agent_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">segment</a> (segment_site, segment_id)	segment_site, segment_id
	<a href="#">agent</a> (org_agent_site, agent_id)	by_agent_site, by_agent_id
	<a href="#">health_grade_type</a> (hgrade_type_code)	hgrade_type_code
	<a href="#">change_patt_type</a> (ch_patt_db_site, ch_patt_db_id, ch_patt_type_code)	ch_patt_db_site, ch_patt_db_id, ch_patt_type_code
	<a href="#">data_qual_type</a> (dqual_type_code)	aud_quality_code
	<a href="#">agent</a> (org_agent_site, agent_id)	aud_by_org_asite, aud_by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#129 asset\_health****Description: Asset Health Assessment For Past / Present / Future**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
gmt_assessment	Assessment applies to this instant in time related to this segment	DATETIME(10:29) NOT NULL
by_agent_site	Agent who made the assessment / "Doctor"	INT NOT NULL
by_agent_id	Agent who made the assessment / Doctor	INT NOT NULL
loc_hr_delta	Local hours from GMT for gmt_assessment	SHORT
loc_min_delta	Local minutess from GMT for gmt_assessment	SHORT
hgrade_type_code	Health Grade Code (required)	INT NOT NULL
hgrade_float	Optional precise health grade float value between 0 and 10 (10 = perfect health)	DOUBLE
likelihood_prob	Likelihood probability between 0 and 1 that health assessment is accurate	DOUBLE
gmt_created	Health assessment created on timestamp	DATETIME(10:29)
cr_loc_hr_delta	Hours from GMT for creation timestamp	SHORT
cr_loc_min_delta	Minutes from GMT for creation timestamp	SHORT
ch_patt_db_site	Change Pattern Code	INT
ch_patt_db_id	Change Pattern Code	INT
ch_patt_type_code	Change Pattern Code	INT
gmt_audited	GMT proposed assessment audited	DATETIME(10:29)
aud_loc_hr_delta	Hours from GMT for local audit time	SHORT
aud_loc_min_delta	Minutes from GMT for local audit time	SHORT
aud_quality_code	Audit Quality Code (health assessment not inspected, good / confirmed, bad / incorrect, or under review)	INT
aud_by_org_asite	Audit Agent	INT
aud_by_agent_id	Audit Agent	INT
name	Description	STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	asset_org_site, asset_id, gmt_assessment, by_agent_site,	

	by_agent_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">asset</a> (asset_org_site, asset_id)	asset_org_site, asset_id
	<a href="#">agent</a> (org_agent_site, agent_id)	by_agent_site, by_agent_id
	<a href="#">health_grade_type</a> (hgrade_type_code)	hgrade_type_code
	<a href="#">change_patt_type</a> (ch_patt_db_site, ch_patt_db_id, ch_patt_type_code)	ch_patt_db_site, ch_patt_db_id, ch_patt_type_code
	<a href="#">data_qual_type</a> (dqual_type_code)	aud_quality_code
	<a href="#">agent</a> (org_agent_site, agent_id)	aud_by_org_asite, aud_by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#146 sg\_remaining\_life****Description: Segment Remaining Life Assessment For Past / Present / Future**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INT NOT NULL
segment_id		INT NOT NULL
gmt_assessment	Remaining life assessment baseline timestamp from which to add estimated remaining useful life	DATETIME(10:29) NOT NULL
by_agent_site	Agent who made the assessment / "Doctor"	INT NOT NULL
by_agent_id	Agent who made the assessment / "Doctor"	INT NOT NULL
loc_hr_delta	Local time hour offset from GMT	SHORT
loc_min_delta	Local time minute offset from GMT	SHORT
est_remaining_life	Estimated remaining life assuming no intervention	DOUBLE
erl_eu_db_site	Time units for est. remaining life	INT
erl_eu_db_id	Time units for est. remaining life	INT
erl_eu_type_code	Time units for est. remaining life	INT
error_estimate	Error estimate (+/- X duration)	DOUBLE
err_eu_db_site	Time units for error estimate	INT
err_eu_db_id	Time units for error estimate	INT
err_eu_type_code	Time units for error estimate	INT
likelihood_prob	Likelihood probability between 0 and 1 that assessment is accurate	DOUBLE
gmt_created	Life assessment created on timestamp	DATETIME(10:29)
cr_loc_hr_delta	Hours from GMT for creation timestamp	SHORT
cr_loc_min_delta	Minutess from GMT for creation timestamp	SHORT
name	Description	STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	segment_site, segment_id, gmt_assessment, by_agent_site, by_agent_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">segment</a> (segment_site, segment_id)	segment_site, segment_id
	<a href="#">agent</a> (org_agent_site, agent_id)	by_agent_site, by_agent_id
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	erl_eu_db_site, erl_eu_db_id,

		erl_eu_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	err_eu_db_site, err_eu_db_id, err_eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#147 as\_remaining\_life****Description: Asset Remaining Life Assessment For Past / Present / Future**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
gmt_assessment	Remaining life assessment baseline timestamp from which to add estimated remaining useful life	DATETIME(10:29) NOT NULL
by_agent_site	Agent who made the assessment / "Doctor"	INT NOT NULL
by_agent_id	Agent who made the assessment / "Doctor"	INT NOT NULL
loc_hr_delta	Local time, hour offset from GMT	SHORT
loc_min_delta	Local time, minute offset from GMT	SHORT
est_remaining_life	Estimated remaining life assuming no intervention	DOUBLE
erl_eu_db_site	Time units for est. remaining life	INT
erl_eu_db_id	Time units for est. remaining life	INT
erl_eu_type_code	Time units for est. remaining life	INT
error_estimate	Error estimate (+/- X duration)	DOUBLE
err_eu_db_site	Time units for error estimate	INT
err_eu_db_id	Time units for error estimate	INT
err_eu_type_code	Time units for error estimate	INT
likelihood_prob	Likelihood probability between 0 and 1 that assessment is accurate	DOUBLE
gmt_created	Life assessment created on timestamp	DATETIME(10:29)
cr_loc_hr_delta	Hours from GMT for creation timestamp	SHORT
cr_loc_min_delta	Minutess from GMT for creation timestamp	SHORT
name	Description	STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	asset_org_site, asset_id, gmt_assessment, by_agent_site, by_agent_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">asset</a> (asset_org_site, asset_id)	asset_org_site, asset_id
	<a href="#">agent</a> (org_agent_site, agent_id)	by_agent_site, by_agent_id
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	erl_eu_db_site, erl_eu_db_id,

		erl_eu_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	err_eu_db_site, err_eu_db_id, err_eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INT NOT NULL
segment_id		INT NOT NULL
gmt_assessment		DATETIME(10:29) NOT NULL
by_agent_site		INT NOT NULL
by_agent_id		INT NOT NULL
ev_sg_site		INT NOT NULL
ev_sg_id		INT NOT NULL
ev_db_site		INT NOT NULL
ev_db_id		INT NOT NULL
event_type_code		INT NOT NULL
gmt_event_start		DATETIME(10:29) NOT NULL
name	Description	STRING(0:254)
assoc_by_org_asite		INT
assoc_by_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">segment_health</a> (segment_site, segment_id, gmt_assessment, by_agent_site, by_agent_id)	segment_site, segment_id, gmt_assessment, by_agent_site, by_agent_id
	<a href="#">segment_event</a> (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
	<a href="#">agent</a> (org_agent_site, agent_id)	assoc_by_org_asite, assoc_by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
gmt_assessment		DATETIME(10:29) NOT NULL
by_agent_site		INT NOT NULL
by_agent_id		INT NOT NULL
ev_as_org_site		INT NOT NULL
ev_as_id		INT NOT NULL
ev_db_site		INT NOT NULL
ev_db_id		INT NOT NULL
event_type_code		INT NOT NULL
gmt_event_start		DATETIME(10:29) NOT NULL
name	Description	STRING(0:254)
assoc_by_org_asite		INT
assoc_by_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">asset_health</a> (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
	<a href="#">asset_event</a> (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
	<a href="#">agent</a> (org_agent_site, agent_id)	assoc_by_org_asite, assoc_by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INT NOT NULL
segment_id		INT NOT NULL
gmt_assessment		DATETIME(10:29) NOT NULL
by_agent_site		INT NOT NULL
by_agent_id		INT NOT NULL
sg_prop_db_site		INT NOT NULL
sg_prop_db_id		INT NOT NULL
sg_prop_event_id		INT NOT NULL
name	Description	STRING(0:254)
assoc_by_org_asite		INT
assoc_by_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">segment_health</a> (segment_site, segment_id, gmt_assessment, by_agent_site, by_agent_id)	segment_site, segment_id, gmt_assessment, by_agent_site, by_agent_id
	<a href="#">sg_proposed_event</a> (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id)	sg_prop_db_site, sg_prop_db_id, sg_prop_event_id
	<a href="#">agent</a> (org_agent_site, agent_id)	assoc_by_org_asite, assoc_by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
gmt_assessment		DATETIME(10:29) NOT NULL
by_agent_site		INT NOT NULL
by_agent_id		INT NOT NULL
as_prop_db_site		INT NOT NULL
as_prop_db_id		INT NOT NULL
as_prop_event_id		INT NOT NULL
name	Description	STRING(0:254)
assoc_by_org_asite		INT
assoc_by_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">asset_health</a> (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
	<a href="#">as_proposed_event</a> (as_prop_db_site, as_prop_db_id, as_prop_event_id)	as_prop_db_site, as_prop_db_id, as_prop_event_id
	<a href="#">agent</a> (org_agent_site, agent_id)	assoc_by_org_asite, assoc_by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## **Recommendation Tables**

### **#274 sg\_type\_recomm**

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_db_site		INT NOT NULL
sg_db_id		INT NOT NULL
sg_type_code		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
loc_hr_delta	Local time, hour offset from GMT	SHORT
loc_min_delta	Local time, minute offset from GMT	SHORT
priority_type_code		INT
name	Recommendation ID / Other Info.	STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">segment_type</a> (sg_db_site, sg_db_id, sg_type_code)	sg_db_site, sg_db_id, sg_type_code
	<a href="#">agent</a> (org_agent_site, agent_id)	by_agent_site, by_agent_id
	<a href="#">priority_type</a> (priority_type_code)	priority_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_db_site		INT NOT NULL
as_db_id		INT NOT NULL
as_type_code		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
loc_hr_delta	Local time, hour offset from GMT	SHORT
loc_min_delta	Local time, minute offset from GMT	SHORT
priority_type_code		INT
name	Recommendation ID / Other Info.	STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">asset_type</a> (as_db_site, as_db_id, as_type_code)	as_db_site, as_db_id, as_type_code
	<a href="#">agent</a> (org_agent_site, agent_id)	by_agent_site, by_agent_id
	<a href="#">priority_type</a> (priority_type_code)	priority_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
mf_db_site		INT NOT NULL
mf_db_id		INT NOT NULL
mf_duns_code		INT NOT NULL
model_number		STRING(0:254) NOT NULL
revision_number		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
loc_hr_delta	Local time, hour offset from GMT	SHORT
loc_min_delta	Local time, minute offset from GMT	SHORT
priority_type_code		INT
name	Recommendation ID / Other Info.	STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number, gmt_recommendation, by_agent_site, by_agent_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">model</a> (mf_db_site, mf_db_id, mf_type_code, model_number, revision_number)	mf_db_site, mf_db_id, mf_type_code, model_number, revision_number
	<a href="#">agent</a> (org_agent_site, agent_id)	by_agent_site, by_agent_id
	<a href="#">priority_type</a> (priority_type_code)	priority_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #184 sg\_recommendation

### Description: Segment Recommendation

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INT NOT NULL
segment_id		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
loc_hr_delta	Local time, hour offset from GMT	SHORT
loc_min_delta	Local time, minute offset from GMT	SHORT
priority_type_code		INT
name	Recommendation ID / Other Info.	STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">segment</a> (segment_site, segment_id)	segment_site, segment_id
	<a href="#">agent</a> (org_agent_site, agent_id)	by_agent_site, by_agent_id
	<a href="#">priority_type</a> (priority_type_code)	priority_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#185 as\_recommendation****Description: Asset Recommendation**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
loc_hr_delta	Local time, hour offset from GMT	SHORT
loc_min_delta	Local time, minute offset from GMT	SHORT
priority_type_code		INT
name	Recommendation ID / Other Info.	STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">asset</a> (asset_org_site, asset_id)	asset_org_site, asset_id
	<a href="#">agent</a> (org_agent_site, agent_id)	by_agent_site, by_agent_id
	<a href="#">priority_type</a> (priority_type_code)	priority_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#316 ol\_recommendation****Description: Ordered List Recommendation**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ord_list_db_site		INT NOT NULL
ord_list_db_id		INT NOT NULL
ord_list_id		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
loc_hr_delta	Local time, hour offset from GMT	SHORT
loc_min_delta	Local time, minute offset from GMT	SHORT
priority_type_code		INT
name	Recommendation ID / Other Info.	STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">ordered_list</a> (ord_list_db_site, ord_list_db_id, ord_list_id)	ord_list_db_site, ord_list_db_id, ord_list_id
	<a href="#">agent</a> (org_agent_site, agent_id)	by_agent_site, by_agent_id
	<a href="#">priority_type</a> (priority_type_code)	priority_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#277 sg\_type\_rec\_remark****Description: Segment Type Recommendation Remarks**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_db_site		INT NOT NULL
sg_db_id		INT NOT NULL
sg_type_code		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
ordering_seq		INT NOT NULL
remark_text		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sg_type_recomm</a> (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
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#278 as\_type\_rec\_remark****Description: Asset Type Recommendation Remarks**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_db_site		INT NOT NULL
as_db_id		INT NOT NULL
as_type_code		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
ordering_seq		INT NOT NULL
remark_text		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">as_type_recomm</a> (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
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#279 model\_rec\_remark****Description: Model Recommendation Remarks**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
mf_db_site		INT NOT NULL
mf_db_id		INT NOT NULL
mf_duns_code		INT NOT NULL
model_number		STRING(0:254) NOT NULL
revision_number		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
ordering_seq		INT NOT NULL
remark_text		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number, gmt_recommendation, by_agent_site, by_agent_id, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">model_recomm</a> (mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number, gmt_recommendation, by_agent_site, by_agent_id)	mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number, gmt_recommendation, by_agent_site, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#130 sg\_rec\_remark****Description: Segment Recommendation Remarks**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INT NOT NULL
segment_id		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
ordering_seq		INT NOT NULL
remark_text		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sg_recommendation</a> (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id)	segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#131 as\_rec\_remark****Description: Asset Recommendation Remarks**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
ordering_seq		INT NOT NULL
remark_text		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">as_recommendation</a> (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
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#322 ol\_rec\_remark****Description: Ordered List Recommendation Remarks**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ord_list_db_site		INT NOT NULL
ord_list_db_id		INT NOT NULL
ord_list_id		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
ordering_seq		INT NOT NULL
remark_text		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">ol_recommendation</a> (ord_list_db_site, ord_list_db_id, ord_list_id, gmt_recommendation, by_agent_site, by_agent_id)	ord_list_db_site, ord_list_db_id, ord_list_id, gmt_recommendation, by_agent_site, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#313 sg\_type\_rec\_blob****Description: Binary Data Related to a Segment Type Recommendation**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_db_site		INT NOT NULL
sg_db_id		INT NOT NULL
sg_type_code		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
bd_db_site		INT NOT NULL
bd_db_id		INT NOT NULL
bd_type_code		INT NOT NULL
ordering_seq		INT NOT NULL
name		STRING(0:254)
assoc_file_name		STRING(0:254)
image_data		LONGBINARY
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sg_type_recomm</a> (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
	<a href="#">blob_data_type</a> (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#314 as\_type\_rec\_blob****Description: Binary Data Related to an Asset Type Recommendation**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_db_site		INT NOT NULL
as_db_id		INT NOT NULL
as_type_code		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
bd_db_site		INT NOT NULL
bd_db_id		INT NOT NULL
bd_type_code		INT NOT NULL
ordering_seq		INT NOT NULL
name		STRING(0:254)
assoc_file_name		STRING(0:254)
image_data		LONGBINARY
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">as_type_recomm</a> (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
	<a href="#">blob_data_type</a> (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#315 model\_rec\_blob****Description: Binary Data Related to a Model Recommendation**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
mf_db_site		INT NOT NULL
mf_db_id		INT NOT NULL
mf_duns_code		INT NOT NULL
model_number		STRING(0:254) NOT NULL
revision_number		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
bd_db_site		INT NOT NULL
bd_db_id		INT NOT NULL
bd_type_code		INT NOT NULL
ordering_seq		INT NOT NULL
name		STRING(0:254)
assoc_file_name		STRING(0:254)
image_data		LONGBINARY
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number, 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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">model_recomm</a> (mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number, gmt_recommendation, by_agent_site, by_agent_id)	mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number, gmt_recommendation, by_agent_site, by_agent_id
	<a href="#">blob_data_type</a> (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#311 sg\_rec\_blob****Description: Binary Data Related to a Segment Recommendation**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INT NOT NULL
segment_id		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
bd_db_site		INT NOT NULL
bd_db_id		INT NOT NULL
bd_type_code		INT NOT NULL
ordering_seq		INT NOT NULL
name		STRING(0:254)
assoc_file_name		STRING(0:254)
image_data		LONGBINARY
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sg_recommendation</a> (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id)	segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id
	<a href="#">blob_data_type</a> (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#312 as\_rec\_blob****Description: Binary Data Related to an Asset Recommendation**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
bd_db_site		INT NOT NULL
bd_db_id		INT NOT NULL
bd_type_code		INT NOT NULL
ordering_seq		INT NOT NULL
name		STRING(0:254)
assoc_file_name		STRING(0:254)
image_data		LONGBINARY
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">as_recommendation</a> (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
	<a href="#">blob_data_type</a> (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_db_site		INT NOT NULL
sg_db_id		INT NOT NULL
sg_type_code		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
sg_hyp_db_site		INT NOT NULL
sg_hyp_db_id		INT NOT NULL
sg_hyp_event_id		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sg_type_recomm</a> (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
	<a href="#">sg_hyp_event</a> (sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id)	sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_db_site		INT NOT NULL
as_db_id		INT NOT NULL
as_type_code		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
as_hyp_db_site		INT NOT NULL
as_hyp_db_id		INT NOT NULL
as_hyp_event_id		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">as_type_recomm</a> (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
	<a href="#">as_hyp_event</a> (as_hyp_db_site, as_hyp_db_id, as_hyp_event_id)	as_hyp_db_site, as_hyp_db_id, as_hyp_event_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#282 model\_rec\_hyp\_ev****Description: Hypothetical Model Events Linked To Model Recommendations**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
mf_db_site		INT NOT NULL
mf_db_id		INT NOT NULL
mf_duns_code		INT NOT NULL
model_number		STRING(0:254) NOT NULL
revision_number		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
mod_hyp_db_site		INT NOT NULL
mod_hyp_db_id		INT NOT NULL
mod_hyp_event_id		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number, 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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">model_recomm</a> (mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number, gmt_recommendation, by_agent_site, by_agent_id)	mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number, gmt_recommendation, by_agent_site, by_agent_id
	<a href="#">model_hyp_event</a> (mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id)	mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INT NOT NULL
segment_id		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
sg_hyp_db_site		INT NOT NULL
sg_hyp_db_id		INT NOT NULL
sg_hyp_event_id		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sg_recommendation</a> (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id)	segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id
	<a href="#">sg_hyp_event</a> (sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id)	sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
as_hyp_db_site		INT NOT NULL
as_hyp_db_id		INT NOT NULL
as_hyp_event_id		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">as_recommendation</a> (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
	<a href="#">as_hyp_event</a> (as_hyp_db_site, as_hyp_db_id, as_hyp_event_id)	as_hyp_db_site, as_hyp_db_id, as_hyp_event_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INT NOT NULL
segment_id		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
sg_prop_db_site		INT NOT NULL
sg_prop_db_id		INT NOT NULL
sg_prop_event_id		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sg_recommendation</a> (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id)	segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id
	<a href="#">sg_proposed_event</a> (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id)	sg_prop_db_site, sg_prop_db_id, sg_prop_event_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
as_prop_db_site		INT NOT NULL
as_prop_db_id		INT NOT NULL
as_prop_event_id		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">as_recommendation</a> (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
	<a href="#">as_proposed_event</a> (as_prop_db_site, as_prop_db_id, as_prop_event_id)	as_prop_db_site, as_prop_db_id, as_prop_event_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#208 sg\_rec\_sg\_event****Description: Actual Segment Events Linked to Segment Recommendations**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INT NOT NULL
segment_id		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
ev_sg_site		INT NOT NULL
ev_sg_id		INT NOT NULL
ev_db_site		INT NOT NULL
ev_db_id		INT NOT NULL
event_type_code		INT NOT NULL
gmt_event_start		DATETIME(10:29) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sg_recommendation</a> (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id)	segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id
	<a href="#">segment_event</a> (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
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#209 as\_rec\_as\_event****Description: Actual Asset Events Linked to Asset Recommendations**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
ev_as_org_site		INT NOT NULL
ev_as_id		INT NOT NULL
ev_db_site		INT NOT NULL
ev_db_id		INT NOT NULL
event_type_code		INT NOT NULL
gmt_event_start		DATETIME(10:29) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">as_recommendation</a> (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
	<a href="#">asset_event</a> (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
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#302 sg\_rec\_sg\_health****Description: Segment Health Assessment Linked to Segment Recommendations**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INT NOT NULL
segment_id		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
hth_sg_site		INT NOT NULL
hth_sg_id		INT NOT NULL
hth_gmt_assess		DATETIME(10:29) NOT NULL
hth_by_agent_site		INT NOT NULL
hth_by_agent_id		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sg_recommendation</a> (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id)	segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id
	<a href="#">segment_health</a> (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
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#303 as\_rec\_as\_health****Description: Asset Health Assessment Linked to Asset Recommendations**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
hth_as_site		INT NOT NULL
hth_as_id		INT NOT NULL
hth_gmt_assess		DATETIME(10:29) NOT NULL
hth_by_agent_site		INT NOT NULL
hth_by_agent_id		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">as_recommendation</a> (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
	<a href="#">asset_health</a> (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
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#304 sg\_rec\_mevent****Description: Measurement Events Linked to Segment Recommendations**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INT NOT NULL
segment_id		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">sg_recommendation</a> (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id)	segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id
	<a href="#">meas_event</a> (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#305 as\_rec\_mevent****Description: Proposed Asset Events Linked to Asset Recommendations**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site	Originator	INT NOT NULL
by_agent_id		INT NOT NULL
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
gmt_event		DATETIME(10:29) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">as_recommendation</a> (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
	<a href="#">meas_event</a> (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## **Work Management Tables**

### **#181 solution\_package**

**Description: Package of Pre-defined Work and Associated Information to Be Done Based On a Need**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sol_pack_db_site		INT NOT NULL
sol_pack_db_id		INT NOT NULL
sol_pack_id		INT NOT NULL
sol_db_site		INT NOT NULL
sol_db_id		INT NOT NULL
sol_type_code		INT NOT NULL
gmt_created		DATETIME(10:29)
loc_hr_delta		SHORT
loc_min_delta		SHORT
priority_type_code		INT
user_tag_ident	User alpha-numeric solution package number	STRING(0:254) NOT NULL
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	sol_pack_db_site, sol_pack_db_id, sol_pack_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	sol_pack_db_site, sol_pack_db_id
	<a href="#">solution_pack_type</a> (sol_db_site, sol_db_id, sol_type_code)	sol_db_site, sol_db_id, sol_type_code
	<a href="#">priority_type</a> (priority_type_code)	priority_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#136 work\_request****Description: Work Request**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_req_db_site		INT NOT NULL
work_req_db_id		INT NOT NULL
work_req_id		INT NOT NULL
wm_type_db_site		INT NOT NULL
wm_type_db_id		INT NOT NULL
wm_type_code		INT NOT NULL
gmt_created		DATETIME(10:29)
loc_hr_delta		SHORT
loc_min_delta		SHORT
by_agent_site	Originator	INT
by_agent_id		INT
start_before_gmt	Request for action to begin before this time	DATETIME(10:29)
end_before_gmt	Request for action to end before this time	DATETIME(10:29)
start_after_gmt	Request for action to begin after this time	DATETIME(10:29)
end_after_gmt	Request for action to end after this time	DATETIME(10:29)
repeat_interval	Time interval to re-submit time-based actions	INT
int_eu_db_site	Time interval eng unit reference	INT
int_eu_db_id		INT
int_eu_type_code		INT
from_sy_agent_site	System the request generated from	INT
from_sy_agent_id		INT
to_agent_site		INT
to_agent_id		INT
priority_type_code		INT
user_tag_ident	Work Request or Work Requested Number	STRING(0:254) NOT NULL
abbrev	User-generated short description	STRING(0:254)
name	User-generated full description	STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	work_req_db_site, work_req_db_id, work_req_id	



<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	work_req_db_site, work_req_db_id
	<a href="#">work_manage_type</a> (wm_type_db_site, wm_type_db_id, wm_type_code)	wm_type_db_site, wm_type_db_id, wm_type_code
	<a href="#">agent</a> (org_agent_site, agent_id)	by_agent_site, by_agent_id
	<a href="#">eng_unit_type</a> eu_db_site, eu_db_id, eu_type_code)	int_eu_db_site, int_eu_db_id, int_eu_type_code
	<a href="#">agent</a> (org_agent_site, agent_id)	from_sy_agent_site, from_sy_agent_id
	<a href="#">agent</a> (org_agent_site, agent_id)	to_agent_site, to_agent_id
	<a href="#">priority_type</a> (priority_type_code)	priority_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#172 work\_req\_num\_data****Description: Work Request Numeric Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_req_db_site		INT NOT NULL
work_req_db_id		INT NOT NULL
work_req_id		INT NOT NULL
wn_db_site		INT NOT NULL
wn_db_id		INT NOT NULL
wn_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">work_request</a> (work_req_db_site, work_req_db_id, work_req_id)	work_req_db_site, work_req_db_id, work_req_id
	<a href="#">work_num_data_type</a> (wn_db_site, wn_db_id, wn_type_code)	wn_db_site, wn_db_id, wn_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#173 work\_req\_chr\_data****Description: Work Request Character Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_req_db_site		INT NOT NULL
work_req_db_id		INT NOT NULL
work_req_id		INT NOT NULL
wc_db_site		INT NOT NULL
wc_db_id		INT NOT NULL
wc_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">work_request</a> (work_req_db_site, work_req_db_id, work_req_id)	work_req_db_site, work_req_db_id, work_req_id
	<a href="#">work_chr_data_type</a> (wc_db_site, wc_db_id, wc_type_code)	wc_db_site, wc_db_id, wc_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#174 work\_request\_audit****Description: Work Request Audit**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_req_db_site		INT NOT NULL
work_req_db_id		INT NOT NULL
work_req_id		INT NOT NULL
waudit_db_site		INT NOT NULL
waudit_db_id		INT NOT NULL
waudit_type_code		INT NOT NULL
gmt_audit_posted		DATETIME(10:29) NOT NULL
loc_hr_delta		SHORT
loc_min_delta		SHORT
by_agent_site	Agent who posted audit record	INT
by_agent_id		INT
from_sy_agent_site	System audit record generated from	INT
from_sy_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">work_request</a> (work_req_db_site, work_req_db_id, work_req_id)	work_req_db_site, work_req_db_id, work_req_id
	<a href="#">work_audit_type</a> (waudit_db_site, waudit_db_id, waudit_type_code)	waudit_db_site, waudit_db_id, waudit_type_code
	<a href="#">agent</a> (org_agent_site, agent_id)	by_agent_site, by_agent_id
	<a href="#">agent</a> (org_agent_site, agent_id)	from_sy_agent_site, from_sy_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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## #183 work\_req\_sol\_pack

**Description:** Associated Solution Packages for a Work Request

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_req_db_site		INT NOT NULL
work_req_db_id		INT NOT NULL
work_req_id		INT NOT NULL
sol_pack_db_site		INT NOT NULL
sol_pack_db_id		INT NOT NULL
sol_pack_id		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	work_req_db_site, work_req_db_id, work_req_id, sol_pack_db_site, sol_pack_db_id, sol_pack_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">work_request</a> (work_req_db_site, work_req_db_id, work_req_id)	work_req_db_site, work_req_db_id, work_req_id
	<a href="#">solution_package</a> (sol_pack_db_site, sol_pack_db_id, sol_pack_id)	sol_pack_db_site, sol_pack_db_id, sol_pack_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#186 work\_req\_sg\_recomm****Description: Associated Segment Recommendations for a Work Request**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_req_db_site		INT NOT NULL
work_req_db_id		INT NOT NULL
work_req_id		INT NOT NULL
segment_site		INT NOT NULL
segment_id		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site		INT NOT NULL
by_agent_id		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">work_request</a> (work_req_db_site, work_req_db_id, work_req_id)	work_req_db_site, work_req_db_id, work_req_id
	<a href="#">sg_recommendation</a> (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id)	segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#197 work\_req\_as\_recomm****Description: Associated Asset Recommendations for a Work Request**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_req_db_site		INT NOT NULL
work_req_db_id		INT NOT NULL
work_req_id		INT NOT NULL
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site		INT NOT NULL
by_agent_id		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">work_request</a> (work_req_db_site, work_req_db_id, work_req_id)	work_req_db_site, work_req_db_id, work_req_id
	<a href="#">as_recommendation</a> (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
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#134 sg\_req\_for\_work****Description: Request for Work for Segment**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INT NOT NULL
segment_id		INT NOT NULL
gmt_requested		DATETIME(10:29) NOT NULL
req_by_agent_site		INT NOT NULL
req_by_agent_id		INT NOT NULL
ordering_seq		INT NOT NULL
req_loc_hr_delta		SHORT
req_loc_min_delta		SHORT
wm_type_db_site		INT NOT NULL
wm_type_db_id		INT NOT NULL
wm_type_code		INT NOT NULL
task_db_site		INT NOT NULL
task_db_id		INT NOT NULL
task_type_code		INT NOT NULL
start_before_gmt	Request for action to begin before this time	DATETIME(10:29)
end_before_gmt	Request for action to end before this time	DATETIME(10:29)
start_after_gmt	Request for action to begin after this time	DATETIME(10:29)
end_after_gmt	Request for action to end after this time	DATETIME(10:29)
repeat_interval	Time interval to re-submit time-based actions	INT
int_eu_db_site	Time interval eng unit reference	INT
int_eu_db_id		INT
int_eu_type_code		INT
from_sy_agent_site	System the request generated from	INT
from_sy_agent_id		INT
to_agent_site	Agent to receive the request for work	INT
to_agent_id		INT
priority_type_code	Priority	INT
sol_pack_db_site	Associated solution package	INT
sol_pack_db_id		INT
sol_pack_id		INT
rec_segment_site	Associated segment recommendation	INT
rec_segment_id		INT
rec_gmt_recomm		DATETIME(10:29)
rec_by_agent_site		INT
rec_by_agent_id		INT
work_req_db_site	Associated Work Request in local or remote database	INT
work_req_db_id		INT
work_req_id		INT
abbrev	User-generated short work description	STRING(0:254) NOT NULL
name	User-generated full work description	STRING(0:254)



gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	segment_site, segment_id, gmt_requested, req_by_agent_site, req_by_agent_id, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">segment</a> (segment_site, segment_id)	segment_site, segment_id
	<a href="#">agent</a> (org_agent_site, agent_id)	req_by_agent_site, req_by_agent_id
	<a href="#">work_manage_type</a> (wm_type_db_site, wm_type_db_id, wm_type_code)	wm_type_db_site, wm_type_db_id, wm_type_code
	<a href="#">work_task_type</a> (task_db_site, task_db_id, task_type_code)	task_db_site, task_db_id, task_type_code
	<a href="#">eng_unit_type</a> eu_db_site, eu_db_id, eu_type_code)	int_eu_db_site, int_eu_db_id, int_eu_type_code
	<a href="#">agent</a> (org_agent_site, agent_id)	from_sy_agent_site, from_sy_agent_id
	<a href="#">agent</a> (org_agent_site, agent_id)	to_agent_site, to_agent_id
	<a href="#">priority_type</a> (priority_type_code)	priority_type_code
	<a href="#">solution_package</a> (sol_pack_db_site, sol_pack_db_id, sol_pack_id)	sol_pack_db_site, sol_pack_db_id, sol_pack_id
	<a href="#">sg_recommendation</a> (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
	<a href="#">work_request</a> (work_req_db_site, work_req_db_id, work_req_id)	work_req_db_site, work_req_db_id, work_req_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#135 as\_req\_for\_work****Description: Request for Work for Asset**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
gmt_requested		DATETIME(10:29) NOT NULL
req_by_agent_site		INT NOT NULL
req_by_agent_id		INT NOT NULL
ordering_seq		INT NOT NULL
req_loc_hr_delta		SHORT
req_loc_min_delta		SHORT
wm_type_db_site		INT NOT NULL
wm_type_db_id		INT NOT NULL
wm_type_code		INT NOT NULL
task_db_site		INT NOT NULL
task_db_id		INT NOT NULL
task_type_code		INT NOT NULL
start_before_gmt	Request for action to begin before this time	DATETIME(10:29)
end_before_gmt	Request for action to end before this time	DATETIME(10:29)
start_after_gmt	Request for action to begin after this time	DATETIME(10:29)
end_after_gmt	Request for action to end after this time	DATETIME(10:29)
repeat_interval	Time interval to re-submit time-based actions	INT
int_eu_db_site	Time interval eng unit reference	INT
int_eu_db_id		INT
int_eu_type_code		INT
from_sy_agent_site	System the request generated from	INT
from_sy_agent_id		INT
to_agent_site	Agent to receive the request for work	INT
to_agent_id		INT
priority_type_code	Priority	INT
sol_pack_db_site	Associated solution package	INT
sol_pack_db_id		INT
sol_pack_id		INT
rec_asset_org_site	Associated asset recommendation	INT
rec_asset_id		INT
rec_gmt_recomm		DATETIME(10:29)
rec_by_agent_site		INT
rec_by_agent_id		INT
work_req_db_site	Associated Work Request in local or remote database	INT
work_req_db_id		INT
work_req_id		INT
abbrev	User-generated short work description	STRING(0:254) NOT NULL
name	User-generated full work description	STRING(0:254)

gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	asset_org_site, asset_id, gmt_requested, req_by_agent_site, req_by_agent_id, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">asset</a> (asset_org_site, asset_id)	asset_org_site, asset_id
	<a href="#">agent</a> (org_agent_site, agent_id)	req_by_agent_site, req_by_agent_id
	<a href="#">work_manage_type</a> (wm_type_db_site, wm_type_db_id, wm_type_code)	wm_type_db_site, wm_type_db_id, wm_type_code
	<a href="#">work_task_type</a> (task_db_site, task_db_id, task_type_code)	task_db_site, task_db_id, task_type_code
	<a href="#">eng_unit_type</a> eu_db_site, eu_db_id, eu_type_code)	int_eu_db_site, int_eu_db_id, int_eu_type_code
	<a href="#">agent</a> (org_agent_site, agent_id)	from_sy_agent_site, from_sy_agent_id
	<a href="#">agent</a> (org_agent_site, agent_id)	to_agent_site, to_agent_id
	<a href="#">priority_type</a> (priority_type_code)	priority_type_code
	<a href="#">solution_package</a> (sol_pack_db_site, sol_pack_db_id, sol_pack_id)	sol_pack_db_site, sol_pack_db_id, sol_pack_id
	<a href="#">as_recommendation</a> (asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id)	rec_asset_org_site, rec_asset_id, rec_gmt_recomm, rec_by_agent_site, rec_by_agent_id
	<a href="#">work_request</a> (work_req_db_site, work_req_db_id, work_req_id)	work_req_db_site, work_req_db_id, work_req_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#148 ol\_req\_for\_work****Description: Request for Work for Ordered List / Route**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ord_list_db_site		INT NOT NULL
ord_list_db_id		INT NOT NULL
ord_list_id		INT NOT NULL
gmt_requested		DATETIME(10:29) NOT NULL
req_by_agent_site		INT NOT NULL
req_by_agent_id		INT NOT NULL
ordering_seq		INT NOT NULL
req_loc_hr_delta		SHORT
req_loc_min_delta		SHORT
wm_type_db_site		INT NOT NULL
wm_type_db_id		INT NOT NULL
wm_type_code		INT NOT NULL
task_db_site		INT NOT NULL
task_db_id		INT NOT NULL
task_type_code		INT NOT NULL
start_before_gmt	Request for action to begin before this time	DATETIME(10:29)
end_before_gmt	Request for action to end before this time	DATETIME(10:29)
start_after_gmt	Request for action to begin after this time	DATETIME(10:29)
end_after_gmt	Request for action to end after this time	DATETIME(10:29)
repeat_interval	Time interval to re-submit time-based actions	INT
int_eu_db_site	Time interval eng unit reference	INT
int_eu_db_id		INT
int_eu_type_code		INT
from_sy_agent_site	System the request generated from	INT
from_sy_agent_id		INT
to_agent_site	Agent to receive the request for work	INT
to_agent_id		INT
priority_type_code	Priority	INT
sol_pack_db_site	Associated solution package	INT
sol_pack_db_id		INT
sol_pack_id		INT
rec_ord_db_site	Associated ordered list recommendation	INT
rec_ord_db_id		INT
rec_ord_list		INT
rec_gmt_recomm		DATETIME(10:29)
rec_by_agent_site		INT
rec_by_agent_id		INT
work_req_db_site	Associated Work Request in local or remote database	INT
work_req_db_id		INT

work_req_id		INT
abbrev	User-generated short work description	STRING(0:254) NOT NULL
name	User-generated full work description	STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	ord_list_db_site, ord_list_db_id, ord_list_id, gmt_requested, req_by_agent_site, req_by_agent_id, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">ordered_list</a> (ord_list_db_site, ord_list_db_id, ord_list_id)	ord_list_db_site, ord_list_db_id, ord_list_id
	<a href="#">agent</a> (org_agent_site, agent_id)	req_by_agent_site, req_by_agent_id
	<a href="#">work_manage_type</a> (wm_type_db_site, wm_type_db_id, wm_type_code)	wm_type_db_site, wm_type_db_id, wm_type_code
	<a href="#">work_task_type</a> (task_db_site, task_db_id, task_type_code)	task_db_site, task_db_id, task_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	int_eu_db_site, int_eu_db_id, int_eu_type_code
	<a href="#">agent</a> (org_agent_site, agent_id)	from_sy_agent_site, from_sy_agent_id
	<a href="#">agent</a> (org_agent_site, agent_id)	to_agent_site, to_agent_id
	<a href="#">priority_type</a> (priority_type_code)	priority_type_code
	<a href="#">solution_package</a> (sol_pack_db_site, sol_pack_db_id, sol_pack_id)	sol_pack_db_site, sol_pack_db_id, sol_pack_id
	<a href="#">ol_recommendation</a> (ord_list_db_site, ord_list_db_id, ord_list_id, gmt_recommendation, by_agent_site, by_agent_id)	rec_ord_list_site, rec_ord_list_db, rec_ord_list_id, rec_gmt_recomm, rec_by_agent_site, rec_by_agent_id
	<a href="#">work_request</a> (work_req_db_site, work_req_db_id, work_req_id)	work_req_db_site, work_req_db_id, work_req_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#139 work\_order****Description: Work Order**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_order_db_site		INT NOT NULL
work_order_db_id		INT NOT NULL
work_order_id		INT NOT NULL
wm_type_db_site		INT NOT NULL
wm_type_db_id		INT NOT NULL
wm_type_code		INT NOT NULL
gmt_created		DATETIME(10:29)
loc_hr_delta		SHORT
loc_min_delta		SHORT
by_agent_site	Originator	INT
by_agent_id		INT
start_before_gmt	Request for action to begin before this time	DATETIME(10:29)
end_before_gmt	Request for action to end before this time	DATETIME(10:29)
start_after_gmt	Request for action to begin after this time	DATETIME(10:29)
end_after_gmt	Request for action to end after this time	DATETIME(10:29)
repeat_interval	Time interval to automatically have work re-submitted for time-based actions	INT
int_eu_db_site	Time interval eng unit reference (hours, days, months, etc.)	INT
int_eu_db_id		INT
int_eu_type_code		INT
from_sy_agent_site	System generated from	INT
from_sy_agent_id		INT
to_agent_site		INT
to_agent_id		INT
priority_type_code		INT
user_tag_ident	User alpha-numeric work order number	STRING(0:254) NOT NULL
abbrev	User-generated short description	STRING(0:254)
name	User-generated full description	STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	work_order_db_site, work_order_db_id, work_order_id	

<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">site_database</a> (db_site, db_id)	work_order_db_site, work_order_db_id
	<a href="#">work_manage_type</a> (wm_type_db_site, wm_type_db_id, wm_type_code)	wm_type_db_site, wm_type_db_id, wm_type_code
	<a href="#">agent</a> (org_agent_site, agent_id)	by_agent_site, by_agent_id
	<a href="#">eng_unit_type</a> eu_db_site, eu_db_id, eu_type_code)	int_eu_db_site, int_eu_db_id, int_eu_type_code
	<a href="#">agent</a> (org_agent_site, agent_id)	from_sy_agent_site, from_sy_agent_id
	<a href="#">agent</a> (org_agent_site, agent_id)	to_agent_site, to_agent_id
	<a href="#">priority_type</a> (priority_type_code)	priority_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (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>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_order_db_site		INT NOT NULL
work_order_db_id		INT NOT NULL
work_order_id		INT NOT NULL
child_wo_db_site		INT NOT NULL
child_wo_db_id		INT NOT NULL
child_wo_id		INT NOT NULL
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">work_order</a> (work_order_db_site, work_order_db_id, work_order_id)	work_order_db_site, work_order_db_id, work_order_id
	<a href="#">work_order</a> (work_order_db_site, work_order_db_id, work_order_id)	child_wo_db_site, child_wo_db_id, child_wo_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#175 work\_order\_num\_data****Description: Work Order Numeric Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_order_db_site		INT NOT NULL
work_order_db_id		INT NOT NULL
work_order_id		INT NOT NULL
wn_db_site		INT NOT NULL
wn_db_id		INT NOT NULL
wn_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">work_order</a> (work_order_db_site, work_order_db_id, work_order_id)	work_order_db_site, work_order_db_id, work_order_id
	<a href="#">work_num_data_type</a> (wn_db_site, wn_db_id, wn_type_code)	wn_db_site, wn_db_id, wn_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#176 work\_order\_chr\_data****Description: Work Order Numeric Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_order_db_site		INT NOT NULL
work_order_db_id		INT NOT NULL
work_order_id		INT NOT NULL
wc_db_site		INT NOT NULL
wc_db_id		INT NOT NULL
wc_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">work_order</a> (work_order_db_site, work_order_db_id, work_order_id)	work_order_db_site, work_order_db_id, work_order_id
	<a href="#">work_chr_data_type</a> (wc_db_site, wc_db_id, wc_type_code)	wc_db_site, wc_db_id, wc_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#177 work\_order\_audit****Description: Work Order Audit**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_order_db_site		INT NOT NULL
work_order_db_id		INT NOT NULL
work_order_id		INT NOT NULL
waudit_db_site		INT NOT NULL
waudit_db_id		INT NOT NULL
waudit_type_code		INT NOT NULL
gmt_audit_posted		DATETIME(10:29) NOT NULL
loc_hr_delta		SHORT
loc_min_delta		SHORT
by_agent_site	Agent who posted audit record	INT
by_agent_id		INT
from_sy_agent_site	System audit record generated from	INT
from_sy_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">work_order</a> (work_order_db_site, work_order_db_id, work_order_id)	work_order_db_site, work_order_db_id, work_order_id
	<a href="#">work_audit_type</a> (waudit_db_site, waudit_db_id, waudit_type_code)	waudit_db_site, waudit_db_id, waudit_type_code
	<a href="#">agent</a> (org_agent_site, agent_id)	by_agent_site, by_agent_id
	<a href="#">agent</a> (org_agent_site, agent_id)	from_sy_agent_site, from_sy_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#140 work\_order\_step****Description: Work Order Step**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_order_db_site		INT NOT NULL
work_order_db_id		INT NOT NULL
work_order_id		INT NOT NULL
work_ord_step_seq		INT NOT NULL
gmt_created		DATETIME(10:29)
loc_hr_delta		SHORT
loc_min_delta		SHORT
by_agent_site	Originator	INT
by_agent_id		INT
sol_pack_db_site		INT
sol_pack_db_id		INT
sol_pack_id		INT
start_before_gmt	Request for action to begin before this time	DATETIME(10:29)
end_before_gmt	Request for action to end before this time	DATETIME(10:29)
start_after_gmt	Request for action to begin after this time	DATETIME(10:29)
end_after_gmt	Request for action to end after this time	DATETIME(10:29)
from_sy_agent_site	System generated from	INT
from_sy_agent_id		INT
to_agent_site		INT
to_agent_id		INT
priority_type_code	0 = lowest, 10 = highest	INT
user_tag_ident		STRING(0:254) NOT NULL
abbrev	User-generated short description	STRING(0:254)
name	User-generated full description	STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	work_order_db_site, work_order_db_id, work_order_id, work_ord_step_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">work_order</a> (work_order_db_site, work_order_db_id, work_order_id)	work_order_db_site, work_order_db_id,

		work_order_id
	<a href="#">agent</a> (org_agent_site, agent_id)	by_agent_site, by_agent_id
	<a href="#">solution_package</a> (sol_pack_db_site, sol_pack_db_id, sol_pack_id)	sol_pack_db_site, sol_pack_db_id, sol_pack_id
	<a href="#">agent</a> (org_agent_site, agent_id)	from_sy_agent_site, from_sy_agent_id
	<a href="#">agent</a> (org_agent_site, agent_id)	to_agent_site, to_agent_id
	<a href="#">priority_type</a> (priority_type_code)	priority_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#178 wo\_step\_num\_data****Description: Work Order Step Numeric Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_order_db_site		INT NOT NULL
work_order_db_id		INT NOT NULL
work_order_id		INT NOT NULL
work_ord_step_seq		INT NOT NULL
wn_db_site		INT NOT NULL
wn_db_id		INT NOT NULL
wn_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	work_order_db_site, work_order_db_id, work_order_id, work_ord_step_seq, wn_db_site, wn_db_id, wn_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">work_order_step</a> (work_order_db_site, work_order_db_id, work_order_id, work_ord_step_seq)	work_order_db_site, work_order_db_id, work_order_id, work_ord_step_seq
	<a href="#">work_num_data_type</a> (wn_db_site, wn_db_id, wn_type_code)	wn_db_site, wn_db_id, wn_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#179 wo\_step\_chr\_data****Description: Work Order Step Character Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_order_db_site		INT NOT NULL
work_order_db_id		INT NOT NULL
work_order_id		INT NOT NULL
work_ord_step_seq		INT NOT NULL
wc_db_site		INT NOT NULL
wc_db_id		INT NOT NULL
wc_type_code		INT NOT NULL
eu_db_site		INT NOT NULL
eu_db_id		INT NOT NULL
eu_type_code		INT NOT NULL
data_value		STRING(0:254) NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	work_order_db_site, work_order_db_id, work_order_id, work_ord_step_seq, wc_db_site, wc_db_id, wc_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">work_order_step</a> (work_order_db_site, work_order_db_id, work_order_id, work_ord_step_seq)	work_order_db_site, work_order_db_id, work_order_id, work_ord_step_seq
	<a href="#">work_chr_data_type</a> (wc_db_site, wc_db_id, wc_type_code)	wc_db_site, wc_db_id, wc_type_code
	<a href="#">eng_unit_type</a> (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#180 wo\_step\_audit****Description: Work Order Step Audit**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_order_db_site		INT NOT NULL
work_order_db_id		INT NOT NULL
work_order_id		INT NOT NULL
work_ord_step_seq		INT NOT NULL
waudit_db_site		INT NOT NULL
waudit_db_id		INT NOT NULL
waudit_type_code		INT NOT NULL
gmt_audit_posted		DATETIME(10:29) NOT NULL
loc_hr_delta		SHORT
loc_min_delta		SHORT
by_agent_site	Agent who posted audit record	INT
by_agent_id		INT
from_sy_agent_site	System audit record generated from	INT
from_sy_agent_id		INT
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	work_order_db_site, work_order_db_id, work_order_id, work_ord_step_seq, waudit_db_site, waudit_db_id, waudit_type_code, gmt_audit_posted	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">work_order_step</a> (work_order_db_site, work_order_db_id, work_order_id, work_ord_step_seq)	work_order_db_site, work_order_db_id, work_order_id, work_ord_step_seq
	<a href="#">work_audit_type</a> (waudit_db_site, waudit_db_id, waudit_type_code)	waudit_db_site, waudit_db_id, waudit_type_code
	<a href="#">agent</a> (org_agent_site, agent_id)	by_agent_site, by_agent_id
	<a href="#">agent</a> (org_agent_site, agent_id)	from_sy_agent_site, from_sy_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#201 wo\_step\_sg\_recomm****Description: Associated Segment Recommendations for a Work Order Step**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_order_db_site		INT NOT NULL
work_order_db_id		INT NOT NULL
work_order_id		INT NOT NULL
work_ord_step_seq		INT NOT NULL
segment_site		INT NOT NULL
segment_id		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site		INT NOT NULL
by_agent_id		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	work_order_db_site, work_order_db_id, work_order_id, work_ord_step_seq, segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">work_order_step</a> (work_order_db_site, work_order_db_id, work_order_id, work_ord_step_seq)	work_order_db_site, work_order_db_id, work_order_id, work_ord_step_seq
	<a href="#">sg_recommendation</a> (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id)	segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#202 wo\_step\_as\_recomm****Description: Associated Asset Recommendations for a Work Order Step**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_order_db_site		INT NOT NULL
work_order_db_id		INT NOT NULL
work_order_id		INT NOT NULL
work_ord_step_seq		INT NOT NULL
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
gmt_recommendation		DATETIME(10:29) NOT NULL
by_agent_site		INT NOT NULL
by_agent_id		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	work_order_db_site, work_order_db_id, work_order_id, work_ord_step_seq, asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">work_order_step</a> (work_order_db_site, work_order_db_id, work_order_id, work_ord_step_seq)	work_order_db_site, work_order_db_id, work_order_id, work_ord_step_seq
	<a href="#">as_recommendation</a> (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
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#141 wo\_step\_work\_req****Description: Work Requests Related to Work Order Steps**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_order_db_site		INT NOT NULL
work_order_db_id		INT NOT NULL
work_order_id		INT NOT NULL
work_ord_step_seq		INT NOT NULL
work_req_db_site		INT NOT NULL
work_req_db_id		INT NOT NULL
work_req_id		INT NOT NULL
name		STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	work_order_db_site, work_order_db_id, work_order_id, work_ord_step_seq, work_req_db_site, work_req_db_id, work_req_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">work_order_step</a> (work_order_db_site, work_order_db_id, work_order_id, work_ord_step_seq)	work_order_db_site, work_order_db_id, work_order_id, work_ord_step_seq
	<a href="#">work_request</a> (work_req_db_site, work_req_db_id, work_req_id)	work_req_db_site, work_req_db_id, work_req_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#144 sg\_completed\_work****Description: Completed Work Tasks For Segments**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INT NOT NULL
segment_id		INT NOT NULL
task_db_site		INT NOT NULL
task_db_id		INT NOT NULL
task_type_code		INT NOT NULL
gmt_completed	Actual completion time	DATETIME(10:29) NOT NULL
cp_loc_hr_delta	Local completion time hours from GMT	SHORT
cp_loc_min_delta	Local completion time minutes from GMT	SHORT
gmt_started	Actual start time	DATETIME(10:29)
st_loc_hr_delta	Local start time hours from GMT	SHORT
st_loc_min_delta	Local start time minutes from GMT	SHORT
by_agent_site	Agent accomplishing the work	INT
by_agent_id		INT
from_sy_agent_site	System generated from	INT
from_sy_agent_id		INT
priority_type_code	0 = lowest, 10 = highest	INT
work_order_db_site	Associated Work Order Step	INT
work_order_db_id		INT
work_order_id		INT
work_ord_step_seq		INT
abbrev	User-generated short work description	STRING(0:254) NOT NULL
name	User-generated full work description	STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	segment_site, segment_id, task_db_site, task_db_id, task_type_code, gmt_completed	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">segment</a> (segment_site, segment_id)	segment_site, segment_id
	<a href="#">work_task_type</a> (task_db_site, task_db_id, task_type_code)	task_db_site, task_db_id, task_type_code
	<a href="#">agent</a> (org_agent_site, agent_id)	by_agent_site, by_agent_id
	<a href="#">agent</a> (org_agent_site, agent_id)	from_sy_agent_site, from_sy_agent_id

	<a href="#">priority_type</a> (priority_type_code)	priority_type_code
	<a href="#">work_order_step</a> (work_order_db_site, work_order_db_id, work_order_id, work_ord_step_seq)	work_order_db_site, work_order_db_id, work_order_id, work_ord_step_seq
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#145 as\_completed\_work****Description: Completed Work Tasks For Assets**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
task_db_site		INT NOT NULL
task_db_id		INT NOT NULL
task_type_code		INT NOT NULL
gmt_completed	Actual completion time	DATETIME(10:29) NOT NULL
cp_loc_hr_delta	Local completion time hours from GMT	SHORT
cp_loc_min_delta	Local completion time minutes from GMT	SHORT
gmt_started	Actual start time	DATETIME(10:29)
st_loc_hr_delta	Local start time hours from GMT	SHORT
st_loc_min_delta	Local start time minutes from GMT	SHORT
by_agent_site	Agent accomplishing the work	INT
by_agent_id		INT
from_sy_agent_site	System generated from	INT
from_sy_agent_id		INT
priority_type_code	0 = lowest, 10 = highest	INT
work_order_db_site	Associated Work Order Step	INT
work_order_db_id		INT
work_order_id		INT
work_ord_step_seq		INT
abbrev	User-generated short work description	STRING(0:254) NOT NULL
name	User-generated full work description	STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	asset_org_site, asset_id, task_db_site, task_db_id, task_type_code, gmt_completed	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">asset</a> (asset_org_site, asset_id)	asset_org_site, asset_id
	<a href="#">work_task_type</a> (task_db_site, task_db_id, task_type_code)	task_db_site, task_db_id, task_type_code
	<a href="#">agent</a> (org_agent_site, agent_id)	by_agent_site, by_agent_id
	<a href="#">agent</a> (org_agent_site, agent_id)	from_sy_agent_site, from_sy_agent_id

	<a href="#">priority_type</a> (priority_type_code)	priority_type_code
	<a href="#">work_order_step</a> (work_order_db_site, work_order_db_id, work_order_id, work_ord_step_seq)	work_order_db_site, work_order_db_id, work_order_id, work_ord_step_seq
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#187 ol\_completed\_work****Description: Completed Work Tasks For Ordered Lists**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ord_list_db_site		INT NOT NULL
ord_list_db_id		INT NOT NULL
ord_list_id		INT NOT NULL
task_db_site		INT NOT NULL
task_db_id		INT NOT NULL
task_type_code		INT NOT NULL
gmt_completed	Actual completion time	DATETIME(10:29) NOT NULL
cp_loc_hr_delta	Local completion time hours from GMT	SHORT
cp_loc_min_delta	Local completion time minutes from GMT	SHORT
gmt_started	Actual start time	DATETIME(10:29)
st_loc_hr_delta	Local start time hours from GMT	SHORT
st_loc_min_delta	Local start time minutes from GMT	SHORT
by_agent_site	Agent accomplishing the work	INT
by_agent_id		INT
from_sy_agent_site	System generated from	INT
from_sy_agent_id		INT
priority_type_code	0 = lowest, 10 = highest	INT
work_order_db_site	Associated Work Order Step	INT
work_order_db_id		INT
work_order_id		INT
work_ord_step_seq		INT
abbrev	User-generated short work description	STRING(0:254) NOT NULL
name	User-generated full work description	STRING(0:254)
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">ordered_list</a> (ord_list_db_site, ord_list_db_id, ord_list_id)	ord_list_db_site, ord_list_db_id, ord_list_id
	<a href="#">work_task_type</a> (task_db_site, task_db_id, task_type_code)	task_db_site, task_db_id, task_type_code



	<a href="#">agent</a> (org_agent_site, agent_id)	by_agent_site, by_agent_id
	<a href="#">agent</a> (org_agent_site, agent_id)	from_sy_agent_site, from_sy_agent_id
	<a href="#">priority_type</a> (priority_type_code)	priority_type_code
	<a href="#">work_order_step</a> (work_order_db_site, work_order_db_id, work_order_id, work_ord_step_seq)	work_order_db_site, work_order_db_id, work_order_id, work_ord_step_seq
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#330 as\_sol\_pack****Description: Associated Solution Packages for an Asset**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INT NOT NULL
asset_id		INT NOT NULL
sol_pack_db_site		INT NOT NULL
sol_pack_db_id		INT NOT NULL
sol_pack_id		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	asset_org_site, asset_id, sol_pack_db_site, sol_pack_db_id, sol_pack_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">asset</a> (asset_org_site, asset_id)	asset_org_site, asset_id
	<a href="#">solution_package</a> (sol_pack_db_site, sol_pack_db_id, sol_pack_id)	sol_pack_db_site, sol_pack_db_id, sol_pack_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#331 sg\_sol\_pack****Description: Associated Solution Packages for a Segment**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INT NOT NULL
segment_id		INT NOT NULL
sol_pack_db_site		INT NOT NULL
sol_pack_db_id		INT NOT NULL
sol_pack_id		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	segment_site, segment_id, sol_pack_db_site, sol_pack_db_id, sol_pack_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">segment</a> (segment_site, segment_id)	segment_site, segment_id
	<a href="#">solution_package</a> (sol_pack_db_site, sol_pack_db_id, sol_pack_id)	sol_pack_db_site, sol_pack_db_id, sol_pack_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#332 ol\_sol\_pack****Description: Associated Solution Packages for an Ordered List**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ord_list_db_site		INT NOT NULL
ord_list_db_id		INT NOT NULL
ord_list_id		INT NOT NULL
sol_pack_db_site		INT NOT NULL
sol_pack_db_id		INT NOT NULL
sol_pack_id		INT NOT NULL
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">ordered_list</a> (ord_list_db_site, ord_list_db_id, ord_list_id)	ord_list_db_site, ord_list_db_id, ord_list_id
	<a href="#">solution_package</a> (sol_pack_db_site, sol_pack_db_id, sol_pack_id)	sol_pack_db_site, sol_pack_db_id, sol_pack_id
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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**#335 work\_req\_blob\_data****Description: Work Request Binary Data Attachments**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_req_db_site		INT NOT NULL
work_req_db_id		INT NOT NULL
work_req_id		INT NOT NULL
bd_db_site		INT NOT NULL
bd_db_id		INT NOT NULL
bd_type_code		INT NOT NULL
ordering_seq		INT NOT NULL
blct_db_site		INT NOT NULL
blct_db_id		INT NOT NULL
blc_type_code		INT NOT NULL
name		STRING(0:254)
assoc_file_name	Optional file name associated with the BLOB	STRING(0:254)
associated_blob	Associated BLOB document, drawing, etc.	BASE64BINARY
gmt_last_updated	GMT time stamp for the last change to this record	DATETIME(10:29)
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INT
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INT
rstat_type_code	Row status type code	SHORT
<u>Primary Key</u>	<u>Column(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 Table (Column(s))</u>	<u>Column(s)</u>
	<a href="#">work_request</a> (work_req_db_site, work_req_db_id, work_req_id)	work_req_db_site, work_req_db_id, work_req_id
	<a href="#">blob_data_type</a> (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	<a href="#">blob_content_type</a> (blct_db_site, blct_db_id, blc_type_code)	blct_db_site, blct_db_id, blc_type_code
	<a href="#">site_database</a> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<a href="#">row_status_type</a> (rstat_type_cod)	rstat_type_code

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