

Common Relational Information Schema CRIS Version 2.1

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Introduction

This document describes the design of MIMOSA's Common Relational Informaiton Schema.

Data Types

When defining columns within individual database tables this document uses a set of data types derived from the SQL*Anywhere? database server.

The types used in this document are as follows:

<u>Data Type</u>	<u>Description</u>
CHAR(X)	Character data of fixed length X
LONG BINARY	Long variable length binary data (picture files, abstract data, etc)
SMALLINT	Short signed integer; 16 bits (-32,768 to 32,767)
INTEGER	Long signed integer; 32 bits (-2147483648 to 2147483647)
DOUBLE	Floating point data; 64 bits

Below is a table that defines the data types of other currently supported databases.

Centura	Oracle	Sybase	SQL Server
CHAR(X)	VARCHAR2(X)	VARCHAR(X)	VARCHAR(X)
LONG VARCHAR	LONG RAW	IMAGE	IMAGE
SMALLINT	NUMBER(7)	SMALLINT	SMALLINT
INTEGER	NUMBER(10)	INT	INT
FLOAT	FLOAT	FLOAT	FLOAT
TIMESTAMP	DATE	DATETIME	DATETIME

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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 1st through 5th Normal Form.

1st 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 1st normal form.

2nd 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 2nd normal form. The proper solution would be to separate the tables and maintain the relationship by use of a common key.

3rd 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, 2nd and 3rd normal form ensure that each data element is stored in only one place in the entire database.

4th 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 4th 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 2nd and 3rd normal form.

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

5th 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 4th 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.

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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 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.	INTEGER NOT NULL
company_name	Company description	VARCHAR(254) NOT NULL
site_name	Site description	VARCHAR(254) NOT NULL
phys_addr		VARCHAR(254)
phys_city_name		VARCHAR(60)
phys_state_abbr		CHAR(2)
phys_postal_code		VARCHAR(10)
phys_country_abb		CHAR(3)
mail_addr		VARCHAR(254)
mail_city_name		VARCHAR(60)
mail_state_abbr		CHAR(2)
mail_postal_code		VARCHAR(10)
mail_country_abb		CHAR(3)
us_ph_number		CHAR(10)
int_ph_cntry_no		VARCHAR(3)
int_ph_city_no		VARCHAR(5)
int_ph_local_no		VARCHAR(10)
us_fax_number		CHAR(10)
int_fax_cntry_no		VARCHAR(3)
int_fax_city_no		VARCHAR(5)
int_fax_local_no		VARCHAR(10)
business_desc		VARCHAR(254)
primary_sic		VARCHAR(8)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code	Row status type code	SMALLINT NOT NULL
<u>Primary Key</u>	<u>Column(s)</u>	
	site_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	row_status_type (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.	INTEGER NOT NULL
db_id	Unique index for this database on the designated site	INTEGER NOT NULL
name	Database description	VARCHAR(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	INTEGER
mf_db_id	Unique index for the database at the vendor's site	INTEGER
mf_duns_code	Unique D-U-N-S identifier for each business location or a MIMOSA-assigned number of the vendor supplying the database	INTEGER
gmt_last_updated	GMT time stamp for the last change to this record	CHAR(29) NOT NULL
last_upd_db_site	Site code (from the site table) for the site making the last change to this record	INTEGER NOT NULL
last_upd_db_id	Database Id of the database in which this record was resident when the last change was made to this record	INTEGER NOT NULL
rstat_type_code	Row status type code	SMALLINT
<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>
	site (site_code)	db_site
	row_status_type (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		INTEGER NOT NULL
db_id		INTEGER NOT NULL
interf_type_code		INTEGER NOT NULL
gmt_last_refresh	Timestamp of last refresh date, if applicable	CHAR(29)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	db_site, db_id
	mim_interface_type (interf_type_code)	interf_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#218 db_tech_supp_cat (DELETED)

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#219 db_connection_info (DELETED)

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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 Greenwich Mean Time in the format YYYY-MM-DD HH:MM:SS-BBBBBBBBBB in 24-hour format like: 1995-02-27 18:01:03-500000000 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	SMALLINT NOT NULL
name	Full description	VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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		INTEGER NOT NULL
mf_db_id		INTEGER NOT NULL
mf_duns_code		INTEGER NOT NULL
manuf_trade_name		VARCHAR(254) NOT NULL
company_name		VARCHAR(254) NOT NULL
phys_addr		VARCHAR(254)
phys_city_name		VARCHAR(30)
phys_state_abbr		CHAR(2)
phys_postal_code		VARCHAR(10)
phys_country_abbr		CHAR(3)
mail_addr		VARCHAR(254)
mail_city_name		VARCHAR(60)
mail_state_abbr		CHAR(2)
mail_postal_code		CHAR(10)
mail_country_abbr		CHAR(3)
us_phone_number		CHAR(10)
int_ph_country_no		VARCHAR(3)
int_ph_city_no		VARCHAR(5)
int_ph_local_no		VARCHAR(10)
us_fax_number		CHAR(10)
int_fax_country_no		VARCHAR(3)
int_fax_city_no		VARCHAR(5)
int_fax_local_no		VARCHAR(10)
business_desc		VARCHAR(254)
primary_sic		VARCHAR(8)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL

<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>
	site_database (db_site, db_id)	mf_db_site, mf_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#17 segment_type

Description: Service Segment Type 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		INTEGER NOT NULL
sg_db_id		INTEGER NOT NULL
sg_type_code		INTEGER NOT NULL
name	Full description	VARCHAR(254) NOT NULL
default_mnemonic		CHAR(3)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	sg_db_site, sg_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
name	Full description	VARCHAR(254) NOT NULL
physics_descr		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#23 eng_unit_type

Description: Engineering Unit Type

Note: MIMOSA populates and maintains the 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		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
ru_type_code		INTEGER NOT NULL
mult_fact_to_ref		DOUBLE NOT NULL
refer_off_to_ref		DOUBLE NOT NULL
name	Full description	VARCHAR(254) NOT NULL
abbrev		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	eu_db_site, eu_db_id
	ref_unit_type (ru_type_code)	ru_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		INTEGER NOT NULL
data_name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	eng_unit_type (eng_db_site, eng_db_id, eng_type_code)	eng_db_site, eng_db_id, eng_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#25 **sg_num_dat_type**

Description: Segment Numeric Data Type 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		INTEGER NOT NULL
sn_db_id		INTEGER NOT NULL
sn_type_code		INTEGER NOT NULL
name	Full description	VARCHAR(254) NOT NULL
default_ru_type		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	sn_db_site, sn_db_id
	ref_unit_type (ru_type_code)	default_ru_type
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
sc_db_id		INTEGER NOT NULL
sc_type_code		INTEGER NOT NULL
name	Full description	VARCHAR(254) NOT NULL
default_ru_type		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	sc_db_site, sc_db_id
	ref_unit_type (ru_type_code)	default_ru_type
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
ev_db_id		INTEGER NOT NULL
event_type_code	Event type code	INTEGER NOT NULL
name	Full description	VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	ev_db_site, ev_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
as_db_id		INTEGER NOT NULL
as_type_code		INTEGER NOT NULL
name	Full description	VARCHAR(254) NOT NULL
default_mnemonic		CHAR(3)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	as_db_site, as_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
an_db_id		INTEGER NOT NULL
an_type_code		INTEGER NOT NULL
name	Full description	VARCHAR(254) NOT NULL
default_ru_type		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	an_db_site, an_db_id
	ref_unit_type (ru_type_code)	default_ru_type
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
ac_db_id		INTEGER NOT NULL
ac_type_code		INTEGER NOT NULL
name	Full description	VARCHAR(254) NOT NULL
default_ru_type		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	ac_db_site, ac_db_id
	ref_unit_type (ru_type_code)	default_ru_type
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
ta_db_id		INTEGER NOT NULL
ta_type_code		INTEGER NOT NULL
name	Full description	VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	ta_db_site, ta_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
ds_db_id		INTEGER NOT NULL
ds_type_code		INTEGER NOT NULL
name	Full description	VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	ds_db_site, ds_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#53 trans_type

Description: Transducer Type 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		INTEGER NOT NULL
tr_db_id		INTEGER NOT NULL
tr_type_code		INTEGER NOT NULL
name	Full description	VARCHAR(254) NOT NULL
tr_type_abbrev		CHAR(2)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	asset_type (as_db_site, as_db_id, as_type_code)	tr_db_site, tr_db_id, tr_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
ml_db_id		INTEGER NOT NULL
ml_type_code		INTEGER NOT NULL
name	Full description	VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	ml_db_site, ml_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		SMALLINT NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#61 alarm_type

Description: Alarm Type 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		INTEGER NOT NULL
al_db_id		INTEGER NOT NULL
al_type_code		INTEGER NOT NULL
al_severity_rank		SMALLINT NOT NULL
name	Full description	VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	al_db_site, al_db_id
	alarm_severity (al_severity_rank)	al_severity_rank
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (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		INTEGER NOT NULL
sp_db_id		INTEGER NOT NULL
sp_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	sp_db_site, sp_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#66 sp_num_dat_type

Description: Signal Process Block Numeric Data Type 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		INTEGER NOT NULL
spn_db_id		INTEGER NOT NULL
spn_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	spn_db_site, spn_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
ave_db_id		INTEGER NOT NULL
ave_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	ave_db_site, ave_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#71 **ave_weight_type**

Description: Average Weight Type 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		INTEGER NOT NULL
ave_wt_db_id		INTEGER NOT NULL
ave_wt_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	ave_wt_db_site, ave_wt_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
ave_sy_db_id		INTEGER NOT NULL
ave_sy_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	ave_sy_db_site, ave_sy_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
src_dt_db_id		INTEGER NOT NULL
src_dt_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	src_dt_db_site, src_dt_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
pst_sc_db_id		INTEGER NOT NULL
pst_sc_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	pst_sc_db_site, pst_sc_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
win_db_id		INTEGER NOT NULL
win_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
pf_multiplier		DOUBLE NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	win_db_site, win_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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.

Column	Description	Size/Type
dqual_type_code		SMALLINT NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (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		INTEGER NOT NULL
sg_db_id		INTEGER NOT NULL
sg_type_code		INTEGER NOT NULL
child_sg_db_site		INTEGER NOT NULL
child_sg_db_id		INTEGER NOT NULL
child_sg_type_code		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (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		INTEGER NOT NULL
as_db_id		INTEGER NOT NULL
as_type_code		INTEGER NOT NULL
child_as_db_site		INTEGER NOT NULL
child_as_db_id		INTEGER NOT NULL
child_as_type_code		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	asset_type (as_db_site, as_db_id, as_type_code)	as_db_site, as_db_id, as_type_code
	asset_type (as_db_site, as_db_id, as_type_code)	child_as_db_site, child_as_db_id, child_as_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#103 severity_type**Description: Severity Types**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
severity_rank		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<u>Primary Key</u>	<u>Column(s)</u>	
	severity_rank	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#104 health_grade_type**Description: Health Grade Type Table**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
hgrade_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (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		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (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		INTEGER NOT NULL
en_db_id		INTEGER NOT NULL
en_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	en_db_site, en_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#108 work_task_type

Description: Work Task Types 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		INTEGER NOT NULL
task_db_id		INTEGER NOT NULL
task_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	task_db_site, task_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#109 agent_type**Description: Agent Type Table**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
agent_db_site		INTEGER NOT NULL
agent_db_id		INTEGER NOT NULL
agent_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	agent_db_site, agent_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#110 agent_role_type

Description: Agent Role Type 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		INTEGER NOT NULL
ag_role_db_id		INTEGER NOT NULL
ag_role_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	ag_role_db_site, ag_role_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#119 work_audit_type

Description: Work Audit Type 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		INTEGER NOT NULL
waudit_db_id		INTEGER NOT NULL
waudit_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	waudit_db_site, waudit_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#121 event_type_child

Description: Event Type Child 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		INTEGER NOT NULL
ev_db_id		INTEGER NOT NULL
event_type_code		INTEGER NOT NULL
child_ev_db_site		INTEGER NOT NULL
child_ev_db_id		INTEGER NOT NULL
child_event_type_code		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sg_as_event_type (ev_db_site, ev_db_id, event_type_code)	ev_db_site, ev_db_id, event_type_code
	sg_as_event_type (ev_db_site, ev_db_id, event_type_code)	child_ev_db_site, child_ev_db_id, child_event_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
wm_type_db_id		INTEGER NOT NULL
wm_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	wm_type_db_site, wm_type_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
task_db_site		INTEGER NOT NULL
task_db_id		INTEGER NOT NULL
task_type_code		INTEGER NOT NULL
child_tk_db_site		INTEGER NOT NULL
child_tk_db_id		INTEGER NOT NULL
child_tk_type_code		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	work_task_type (task_db_site, task_db_id, task_type_code)	task_db_site, task_db_id, task_type_code
	work_task_type (task_db_site, task_db_id, task_type_code)	child_tk_db_site, child_tk_db_id, child_tk_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#151 change_patt_type

Description: Change Pattern Type 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		INTEGER NOT NULL
ch_patt_db_id		INTEGER NOT NULL
ch_patt_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	ch_patt_db_site, ch_patt_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
stt_db_id		INTEGER NOT NULL
stt_code		INTEGER NOT NULL
abbrev		VARCHAR(254)
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	stt_db_site, stt_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
strn_db_id		INTEGER NOT NULL
str_num_type_code		INTEGER NOT NULL
abbrev		VARCHAR(254)
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	strn_db_site, strn_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#162 blob_data_type

Description: BLOB Data Type 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		INTEGER NOT NULL
bd_db_id		INTEGER NOT NULL
bd_type_code		INTEGER NOT NULL
abbrev		VARCHAR(254)
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	bd_db_site, bd_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
strb_db_id		INTEGER NOT NULL
str_blob_type_code		INTEGER NOT NULL
abbrev		VARCHAR(254)
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	strb_db_site, strb_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#170 work_num_data_type

Description: Work Numeric Data Type 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		INTEGER NOT NULL
wn_db_id		INTEGER NOT NULL
wn_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	wn_db_site, wn_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#171 work_chr_data_type**Description: Work Character Data Type 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		INTEGER NOT NULL
wc_db_id		INTEGER NOT NULL
wc_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	wc_db_site, wc_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#182 solution_pack_type**Description: Solution Package Type Table**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sol_db_site		INTEGER NOT NULL
sol_db_id		INTEGER NOT NULL
sol_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	sol_db_site, sol_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#212 sample_ndata_type**Description: Sample Numeric Data Type**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
snum_db_site		INTEGER NOT NULL
snum_db_id		INTEGER NOT NULL
snum_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	snum_db_site, snum_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#215 mim_tech_type

Description: Types of MIMOSA Technology

This table identifies all technology types of the MIMOSA database.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
tech_type_code		INTEGER NOT NULL
abbrev		VARCHAR(40)
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#216 mim_support_type**Description: MIMOSA Support Levels**

This table identifies support levels for the MIMOSA database.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
supp_type_code		INTEGER NOT NULL
abbrev		VARCHAR(40)
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#217 mim_data_cat_type

Description: MIMOSA Data Categories

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
dcat_type_code		INTEGER NOT NULL
abbrev		VARCHAR(40)
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#261 sp_stream_type**Description: Signal Process Stream Type Table**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sps_type_db_site		INTEGER NOT NULL
sps_type_db_id		INTEGER NOT NULL
sps_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	sps_type_db_site, sps_type_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#283 network_type**Description: Network Type Table**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
nt_db_site		INTEGER NOT NULL
nt_db_id		INTEGER NOT NULL
nt_type_code		INTEGER NOT NULL
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	nt_db_site, nt_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
strc_db_id		INTEGER NOT NULL
str_chr_type_code		INTEGER NOT NULL
abbrev		VARCHAR(254)
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	strc_db_site, strc_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#290 sample_cdata_type**Description: Sample Character Data Type**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
schr_db_site		INTEGER NOT NULL
schr_db_id		INTEGER NOT NULL
schr_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	schr_db_site, schr_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#291 mevent_blob_type**Description: Measurement Event Binary Large Object Type**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
mebt_db_site		INTEGER NOT NULL
mebt_db_id		INTEGER NOT NULL
meb_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	mebt_db_site, mebt_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#292 highlight_type

Description: Highlight Type 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		INTEGER NOT NULL
high_db_id		INTEGER NOT NULL
high_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	high_db_site, high_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#323 purchase_cond_type**Description: Purchase Condition Type**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
pc_db_site		INTEGER NOT NULL
pc_db_id		INTEGER NOT NULL
pc_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	pc_db_site, pc_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#324 as_readiness_type**Description: Asset Readiness Type**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asr_db_site		INTEGER NOT NULL
asr_db_id		INTEGER NOT NULL
asr_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
description		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	asr_db_site, asr_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#325 mloc_calc_type**Description: Measurement Location Data Collection Type**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
mc_db_site		INTEGER NOT NULL
mc_db_id		INTEGER NOT NULL
mc_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
description		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	mc_db_site, mc_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#326 mim_func_type**Description: MIMOSA Functionality Type**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
func_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#327 mim_interface_type**Description: MIMOSA Interface Type**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
interf_type_code		INTEGER NOT NULL
dcat_type_code		INTEGER NOT NULL
supp_type_code		INTEGER NOT NULL
func_type_code		INTEGER NOT NULL
tech_type_code		INTEGER NOT NULL
version_supported		SMALLINT NOT NULL
subversion_supp		SMALLINT NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	mim_data_cat_type (dcat_type_code)	dcat_type_code
	mim_support_type (supp_type_code)	supp_type_code
	mim_func_type (func_type_code)	func_type_code
	mim_tech_type (tech_type_code)	tech_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (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.

Column	Description	Size/Type
ml_db_site		INTEGER NOT NULL
ml_db_id		INTEGER NOT NULL
ml_type_code		INTEGER NOT NULL
child_ml_db_site		INTEGER NOT NULL
child_ml_db_id		INTEGER NOT NULL
child_ml_type_code		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
Primary Key	Column(s)	
	ml_db_site, ml_db_id, ml_type_code, child_ml_db_site, child_ml_db_id, child_ml_type_code	
Foreign Keys	Foreign Table (Column(s))	Column(s)
	meas_loc_type (ml_db_site, ml_db_id, ml_type_code)	ml_db_site, ml_db_id, ml_type_code
	meas_loc_type (ml_db_site, ml_db_id, ml_type_code)	child_ml_db_site, child_ml_db_id, child_ml_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#105 confid_factor_type (DELETED)

**OBSOLETE
REMOVED FROM CRIS V2**

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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		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
sg_db_site		INTEGER NOT NULL
sg_db_id		INTEGER NOT NULL
sg_type_code		INTEGER NOT NULL
segment_group_yn		CHAR(1) NOT NULL
user_tag_ident		VARCHAR(254) NOT NULL
name	Full description	VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site (site_code)	segment_site
	segment_type (sg_db_site, sg_db_id, sg_type_code)	sg_db_site, sg_db_id, sg_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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.

Column	Description	Size/Type
segment_site		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
child_sg_site		INTEGER NOT NULL
child_sg_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	segment (segment_site, segment_id)	segment_site, segment_id
	segment (segment_site, segment_id)	child_sg_site, child_sg_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
sn_db_site		INTEGER NOT NULL
sn_db_id		INTEGER NOT NULL
sn_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	segment (segment_site, segment_id)	segment_site, segment_id
	sg_num_dat_type (sn_db_site, sn_db_id, sn_type_code)	sn_db_site, sn_db_id, sn_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#28 segment_chr_data

Description: Segment Character Data 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		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
sc_db_site		INTEGER NOT NULL
sc_db_id		INTEGER NOT NULL
sc_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	segment (segment_site, segment_id)	segment_site, segment_id
	sc_chr_dat_type (sc_db_site, sc_db_id, sc_type_code)	sc_db_site, sc_db_id, sc_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
mf_db_id		INTEGER NOT NULL
mf_duns_code		INTEGER NOT NULL
model_number		VARCHAR(254) NOT NULL
revision_number		INTEGER NOT NULL
as_db_site		INTEGER NOT NULL
as_db_id		INTEGER NOT NULL
as_type_code		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<u>Primary Key</u>	<u>Column(s)</u>	
<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>
	manufacturer (mf_db_site, mf_db_id, mf_duns_code)	mf_db_site, mf_db_id, mf_duns_code
	asset type (as_db_site, as_db_id, as_type_code)	as_db_site, as_db_id, as_type_code
	site database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row status type (rstat_type_cod)	rstat_type_code

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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>
mf_db_site		INTEGER NOT NULL
mf_db_id		INTEGER NOT NULL
mf_duns_code		INTEGER NOT NULL
model_number		VARCHAR(254) NOT NULL
revision_number		INTEGER NOT NULL
child_mf_db_site		INTEGER NOT NULL
child_mf_db_id		INTEGER NOT NULL
child_mf_duns_code		INTEGER NOT NULL
child_model_num		VARCHAR(254) NOT NULL
child_revision_num		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<u>Primary Key</u>	<u>Column(s)</u>	
	mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number, child_mf_db_site, child_mf_db_id, child_mf_duns_code, child_model_num, child_revision_num	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	model (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
	model (mf_db_site, mf_db_id, mf_duns_code, model_number, revision_number)	child_mf_db_site, child_mf_db_id, child_mf_duns_code, child_model_num, child_revision_num
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#35 model_num_data

Description: Model Numeric Data 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		INTEGER NOT NULL
mf_db_id		INTEGER NOT NULL
mf_duns_code		INTEGER NOT NULL
model_number		VARCHAR(254) NOT NULL
revision_number		INTEGER NOT NULL
an_db_site		INTEGER NOT NULL
an_db_id		INTEGER NOT NULL
an_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	model (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
	as_num_dat_type (an_db_site, an_db_id, an_type_code)	an_db_site, an_db_id, an_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#36 model_chr_data

Description: Model Character Data 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		INTEGER NOT NULL
mf_db_id		INTEGER NOT NULL
mf_duns_code		INTEGER NOT NULL
model_number		VARCHAR(254) NOT NULL
revision_number		INTEGER NOT NULL
ac_db_site		INTEGER NOT NULL
ac_db_id		INTEGER NOT NULL
ac_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	model (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
	as_chr_dat_type (ac_db_site, ac_db_id, ac_type_code)	ac_db_site, ac_db_id, ac_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
as_db_site		INTEGER NOT NULL
as_db_id		INTEGER NOT NULL
as_type_code		INTEGER NOT NULL
user_tag_ident		VARCHAR(254) NOT NULL
name		VARCHAR(254)
mf_db_site		INTEGER
mf_db_id		INTEGER
mf_duns_code		INTEGER
model_number		VARCHAR(254)

revision_number		INTEGER
serial_number		VARCHAR(254)
asr_db_site		INTEGER
asr_db_id		INTEGER
asr_type_code		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site (site_code)	asset_org_site
	asset_type (as_db_site, as_db_id, as_type_code)	as_db_site, as_db_id, as_type_code
	model (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
	as_readiness_type (asr_db_site, asr_db_id, asr_type_code)	asr_db_site, asr_db_id, asr_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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>
<code>asset_org_site</code>		INTEGER NOT NULL
<code>asset_id</code>		INTEGER NOT NULL
<code>child_as_site</code>		INTEGER NOT NULL
<code>child_as_id</code>		INTEGER NOT NULL
<code>ordering_seq</code>		INTEGER NOT NULL
<code>gmt_last_updated</code>		CHAR(29) NOT NULL
<code>last_upd_db_site</code>		INTEGER NOT NULL
<code>last_upd_db_id</code>		INTEGER NOT NULL
<code>rstat_type_code</code>		SMALLINT NOT NULL
<u>Primary Key</u>	<u>Column(s)</u>	
	<code>asset_org_site, asset_id, child_as_site, child_as_id</code>	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	asset (<code>asset_org_site, asset_id</code>)	<code>asset_org_site, asset_id</code>
	asset (<code>asset_org_site, asset_id</code>)	<code>child_as_site, child_as_id</code>
	site_database (<code>db_site, db_id</code>)	<code>last_upd_db_site, last_upd_db_id</code>
	row_status_type (<code>rstat_type_cod</code>)	<code>rstat_type_code</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		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
an_db_site		INTEGER NOT NULL
an_db_id		INTEGER NOT NULL
an_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	asset (asset_org_site, asset_id)	asset_org_site, asset_id
	as_num_dat_type (an_db_site, an_db_id, an_type_code)	an_db_site, an_db_id, an_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#42 asset_chr_data**Description: Asset Character Data 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		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
ac_db_site		INTEGER NOT NULL
ac_db_id		INTEGER NOT NULL
ac_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	asset (asset_org_site, asset_id)	asset_org_site, asset_id
	ac_chr_dat_type (ac_db_site, ac_db_id, ac_type_code)	ac_db_site, ac_db_id, ac_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
segment_site		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
gmt_installed		CHAR(29) NOT NULL
gmt_removed		CHAR(29)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	asset (asset_org_site, asset_id)	asset_org_site, asset_id
	segment (segment_site, segment_id)	segment_site, segment_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
gmt_purchased		CHAR(29) NOT NULL
sold_to_site		INTEGER NOT NULL
purch_from_site		INTEGER
pc_db_site		INTEGER
pc_db_id		INTEGER
pc_type_code		INTEGER
asr_db_site		INTEGER
asr_db_id		INTEGER
asr_type_code		INTEGER
gmt_sold		CHAR(29)
gmt_discarded		CHAR(29)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	asset (asset_org_site, asset_id)	asset_org_site, asset_id
	site (site_code)	sold_to_site
	site (site_code)	purch_from_site
	purchase_cond_type (pc_db_site, pc_db_id, pc_type_code)	pc_db_site, pc_db_id, pc_type_code
	as_readiness_type (asr_db_site, asr_db_id, asr_type_code)	asr_db_site, asr_db_id, asr_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#39 asset_input (DELETED)

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#40 asset_output (DELETED)

**OBSOLETE
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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		INTEGER NOT NULL
network_db_id		INTEGER NOT NULL
network_id		INTEGER NOT NULL
nt_db_site		INTEGER NOT NULL
nt_db_id		INTEGER NOT NULL
nt_type_code		INTEGER NOT NULL
user_tag_ident		INTEGER NOT NULL
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	network_db_site, network_db_id
	network_type (nt_db_site, nt_db_id, nt_type_code)	nt_db_site, nt_db_id, nt_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
network_db_id		INTEGER NOT NULL
network_id		INTEGER NOT NULL
segment_site		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
output_sg_site		INTEGER NOT NULL
output_sg_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
gmt_stream_config		CHAR(29)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	network (network_db_site, network_db_id, network_id)	network_db_site, network_db_id, network_id
	segment (segment_site, segment_id)	segment_site, segment_id
	segment (segment_site, segment_id)	output_sg_site, output_sg_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#309 as_network_connect**Description: Asset Network Connection Table**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
network_db_site		INTEGER NOT NULL
network_db_id		INTEGER NOT NULL
network_id		INTEGER NOT NULL
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
output_as_site		INTEGER NOT NULL
output_as_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
gmt_stream_config		CHAR(29)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	network (network_db_site, network_db_id, network_id)	network_db_site, network_db_id, network_id
	asset (asset_org_site, asset_id)	asset_org_site, asset_id
	asset (asset_org_site, asset_id)	output_as_site, output_as_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#20 segment_input (DELETED)

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#21 segment_output (DELETED)

**OBSOLETE
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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		INTEGER NOT NULL
ds_asset_id		INTEGER NOT NULL
ds_db_site		INTEGER NOT NULL
ds_db_id		INTEGER NOT NULL
ds_type_code		INTEGER NOT NULL
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	asset (asset_org_site, asset_id)	ds_asset_site, ds_asset_id
	data_source_type (ds_db_site, ds_db_id, ds_type_code)	ds_db_site, ds_db_id, ds_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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.

Column	Description	Size/Type
tr_asset_site		INTEGER NOT NULL
tr_asset_id		INTEGER NOT NULL
tr_db_site		INTEGER NOT NULL
tr_db_id		INTEGER NOT NULL
tr_type_code		INTEGER NOT NULL
out_eu_db_site		INTEGER
out_eu_db_id		INTEGER
out_eu_type_code		INTEGER
out_amplitude		DOUBLE
per_eu_db_site		INTEGER
per_eu_db_id		INTEGER
per_eu_type_code		INTEGER
gmt_last_calib		CHAR(29)
self_powered_yn		CHAR(1)
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	asset (asset_org_site, asset_id)	tr_asset_site, tr_asset_id
	trans_type (tr_db_site, tr_db_id, tr_type_code)	tr_db_site, tr_db_id, tr_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	out_eu_db_site, out_eu_db_id, out_eu_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	per_eu_db_site, per_eu_db_id, per_eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

<u>Check</u>	<u>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 => 1st character from
tr_axis_dir_type.name referenced by ta_db_site, ta_db_id,
ta_type_code

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

Note: 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.

Column	Description	Size/Type
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
ml_db_site		INTEGER NOT NULL
ml_db_id		INTEGER NOT NULL
ml_type_code		INTEGER NOT NULL
segment_or_asset		CHAR(1) NOT NULL
segment_site		INTEGER
segment_id		INTEGER
asset_org_site		INTEGER
asset_id		INTEGER
ds_db_site		INTEGER
ds_db_id		INTEGER
ds_type_code		INTEGER
tr_db_site		INTEGER
tr_db_id		INTEGER
tr_type_code		INTEGER
ta_orient_deg		INTEGER
ta_db_site		INTEGER
ta_db_id		INTEGER
ta_type_code		INTEGER
mim_loc_seq		INTEGER
motion_direction	Valid 'N' and 'R'	CHAR(1)
mim_user_prefix		CHAR(4)
mc_db_site	Default method that measurement is calculated from raw data	INTEGER
mc_db_id		INTEGER
mc_type_code		INTEGER
mc_calc_size	Parameter "x" used for the calculation	INTEGER
update_interval	Default frequency that measurements at this location will be updated	DOUBLE

int_eu_db_site	Time eng. units for default frequency	INTEGER
int_eu_db_id		INTEGER
int_eu_type_code		INTEGER
collect_duration	Default duration of collection for measurements at this location	DOUBLE
dur_eu_db_site	Time eng. units for default collection duration	INTEGER
dur_eu_db_id		INTEGER
dur_eu_type_code		INTEGER
user_tag_ident		VARCHAR(254) NOT NULL
barcode		VARCHAR(254)
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site (site_code)	meas_loc_site
	meas_loc_type (ml_db_site, ml_db_id, ml_type_code)	ml_db_site, ml_db_id, ml_type_code
	segment (sement_site, segment_id)	sement_site, segment_id
	asset (asset_org_site, asset_id)	asset_org_site, asset_id
	data_source_type (ds_db_site, ds_db_id, ds_type_code)	ds_db_site, ds_db_id, ds_type_code
	trans_type (tr_db_site, tr_db_id, tr_type_code)	tr_db_site, tr_db_id, tr_type_code
	tr_axis_dir_type (ta_db_site, ta_db_id, ta_type_code)	ta_db_site, ta_db_id, ta_type_code
	mloc_calc_type (mc_db_site, mc_db_id, mc_type_code)	mc_db_site, mc_db_id, mc_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	int_eu_db_site, int_eu_db_id, int_eu_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	dur_eu_db_site, dur_eu_db_id, dur_eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code
<u>Check</u>	<u>Column</u>	<u>Value Range</u>
	segment_or_asset	'A','S'
	motion_direction	'N','R'

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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)

Column	Description	Size/Type
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event	Time of measurement (GMT)	CHAR(29) NOT NULL
ev_loc_hr_delta	Local event time hour offset from GMT	SMALLINT
ev_loc_min_delta	Local event time minute offset from GMT	SMALLINT
gmt_stored	Time event stored in database (GMT)	CHAR(29)

st_loc_hr_delta	Local store time hour offset from GMT	SMALLINT
st_loc_min_delta	Local store time minute offset from GMT	SMALLINT
segment_site		INTEGER
segment_id		INTEGER
asset_org_site		INTEGER
asset_id		INTEGER
ds_asset_site		INTEGER
ds_asset_id		INTEGER
tr_asset_site		INTEGER
tr_asset_id		INTEGER
dqual_type_code		SMALLINT NOT NULL
ml_db_site	Optional location type which specifically categorizes this measurement event	INTEGER
ml_db_id		INTEGER
ml_type_code		INTEGER
mc_db_site	Actual method that measurement was calculated from raw data	INTEGER
mc_db_id		INTEGER
mc_type_code		INTEGER
mc_calc_size	Parameter "x" used for the calculation	INTEGER
collect_duration	Actual duration for this measurement event's data collection	DOUBLE
dur_eu_db_site	Time eng. units for default collection duration	INTEGER
dur_eu_db_id		INTEGER
dur_eu_type_code		INTEGER
confid_percent	Confidence in measurement accuracy (0 = no confidence, 100 = complete confidence)	SMALLINT
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	meas_location (meas_loc_site, meas_loc_id)	meas_loc_site, meas_loc_id
	segment (segment_site, segment_id)	segment_site, segment_id
	asset (asset_org_site, asset_id)	asset_org_site, asset_id
	data_source (ds_asset_site, ds_asset_id)	ds_asset_site, ds_asset_id
	transducer (tr_asset_site, tr_asset_id)	tr_asset_site, tr_asset_id
	data_qual_type (dqual_type_code)	dqual_type_code
	meas_loc_type (ml_db_site, ml_db_id, ml_type_code)	ml_db_site, ml_db_id, ml_type_code
	mloc_calc_type (mc_db_site, mc_db_id, mc_type_code)	mc_db_site, mc_db_id, mc_type_code

	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	dur_eu_db_site, dur_eu_db_id, dur_eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#57 meas_event_rem**Description: Measurement Event Remarks 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		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
ordering_seq		INTEGER NOT NULL
remark_text		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	meas_event (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
related_mloc_site		INTEGER NOT NULL
related_mloc_id		INTEGER NOT NULL
related_gmt_event		CHAR(29) NOT NULL
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	meas_event (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	meas_event (meas_loc_site, meas_loc_id, gmt_event)	related_mloc_site, related_mloc_id, related_gmt_event
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#58 mevent_num_data

Description: Measurement Event Numeric Data 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		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	meas_event (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	meas_event (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#165 mevent_blob_data**Description: Measurement Event Binary Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
mebt_db_site		INTEGER NOT NULL
mebt_db_id		INTEGER NOT NULL
meb_type_code		INTEGER NOT NULL
bd_db_site		INTEGER NOT NULL
bd_db_id		INTEGER NOT NULL
bd_type_code		INTEGER NOT NULL
name		VARCHAR(254)
assoc_file_name		VARCHAR(254)
image_data		LONG BINARY
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	meas_event (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	mevent_blob_type (mebt_db_site, mebt_db_id, meb_type_code)	mebt_db_site, mebt_db_id, meb_type_code
	blob_data_type (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#221 blob_grid_data

Description: Blob Grid Data 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		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
mebt_db_site		INTEGER NOT NULL
mebt_db_id		INTEGER NOT NULL
meb_type_code		INTEGER NOT NULL
grid_seq		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
x_resolution		INTEGER NOT NULL
y_resolution		INTEGER NOT NULL
data_origin_x		INTEGER NOT NULL
data_origin_y		INTEGER NOT NULL
data_end_x		INTEGER NOT NULL
data_end_y		INTEGER NOT NULL
name		VARCHAR(254)
float_data		LONG BINARY
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
Primary Key	Column(s)	
	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>
	mevent_blob_data (meas_loc_site, meas_loc_id, gmt_event, mebt_db_site, mebt_db_id, meb_type_code)	meas_loc_site, meas_loc_id, gmt_event, mebt_db_site, mebt_db_id, meb_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#65 signal_proc_blk**Description: Signal Process Block 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		INTEGER NOT NULL
sp_blk_db_id		INTEGER NOT NULL
sp_block_id		INTEGER NOT NULL
sp_db_site		INTEGER NOT NULL
sp_db_id		INTEGER NOT NULL
sp_type_code		INTEGER NOT NULL
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	sp_blk_db_site, sp_blk_db_id
	signal_proc_type (sp_db_site, sp_db_id, sp_type_code)	sp_db_site, sp_db_id, sp_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
sp_blk_db_id		INTEGER NOT NULL
sp_block_id		INTEGER NOT NULL
spn_db_site		INTEGER NOT NULL
spn_db_id		INTEGER NOT NULL
spn_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	signal_proc_blk (sp_blk_db_site, sp_blk_db_id, sp_block_id)	sp_blk_db_site, sp_blk_db_id, sp_block_id
	sp_num_dat_type (spn_db_site, spn_db_id, spn_type_code)	spn_db_site, spn_db_id, spn_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#68 sp_stream**Description: Signal Process Stream 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		INTEGER NOT NULL
sp_str_db_id		INTEGER NOT NULL
sp_stream_id		INTEGER NOT NULL
sps_type_db_site		INTEGER NOT NULL
sps_type_db_id		INTEGER NOT NULL
sps_type_code		INTEGER NOT NULL
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	sp_str_db_site, sp_str_db_id
	sp_stream_type (sps_type_db_site, sps_type_db_id, sps_type_code)	sps_type_db_site, sps_type_db_id, sps_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
sp_str_db_id		INTEGER NOT NULL
sp_stream_id		INTEGER NOT NULL
sp_blk_db_site		INTEGER NOT NULL
sp_blk_db_id		INTEGER NOT NULL
sp_block_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sp_stream (sp_str_db_site, sp_str_db_id, sp_stream_id)	sp_str_db_site, sp_str_db_id, sp_stream_id
	signal_proc_blk (sp_blk_db_site, sp_blk_db_id, sp_block_id)	sp_blk_db_site, sp_blk_db_id, sp_block_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#75 sp_ampl_data**Description: Signal-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.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
ordering_seq		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
pst_sc_db_site		INTEGER NOT NULL
pst_sc_db_id		INTEGER NOT NULL
pst_sc_type_code		INTEGER NOT NULL
freq_or_order		CHAR(1) NOT NULL
min_in_hz_or_ord		DOUBLE NOT NULL
max_in_hz_or_ord		DOUBLE NOT NULL
src_dt_db_site		INTEGER
src_dt_db_id		INTEGER
src_dt_type_code		INTEGER
sp_str_db_site		INTEGER
sp_str_db_id		
sp_stream_id		
assoc_rpm_in_hz		DOUBLE
amplitude		DOUBLE NOT NULL
angle_in_degrees		DOUBLE
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>

	meas_event (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	post_scaling_type (pst_sc_db_site, pst_sc_db_id, pst_sc_type_code)	pst_sc_db_site, pst_sc_db_id, pst_sc_type_code
	src_detect_type (src_dt_db_site, src_dt_db_id, src_dt_type_code)	src_dt_db_site, src_dt_db_id, src_dt_type_code
	sp_stream (sp_str_db_site, sp_str_db_id, sp_stream_id)	sp_str_db_site, sp_str_db_id, sp_stream_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code
Check	Column	Value Range
	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		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
ordering_seq		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
pst_sc_db_site		INTEGER NOT NULL
pst_sc_db_id		INTEGER NOT NULL
pst_sc_type_code		INTEGER NOT NULL
freq_or_order		CHAR(1) NOT NULL
min_in_hz_or_ord		DOUBLE NOT NULL
max_in_hz_or_ord		DOUBLE NOT NULL
resolution_lines		INTEGER NOT NULL
win_db_site		INTEGER NOT NULL
win_db_id		INTEGER NOT NULL
win_type_code		INTEGER NOT NULL
ave_db_site		INTEGER
ave_db_id		INTEGER
ave_type_code		INTEGER

ave_wt_db_site		INTEGER
ave_wt_db_id		INTEGER
ave_wt_type_code		INTEGER
ave_sy_db_site		INTEGER
ave_sy_db_id		INTEGER
ave_sy_type_code		INTEGER
ave_overlap_pct		DOUBLE
num_of_averages		INTEGER
sp_str_db_site		INTEGER
sp_str_db_id		INTEGER
sp_stream_id		INTEGER
assoc_rpm_in_hz		DOUBLE
name		VARCHAR(254)
dc_level		DOUBLE
complex_yn		CHAR(1) NOT NULL
spectrum_data		LONG BINARY
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	meas_event (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	post_scaling_type (pst_sc_db_site, pst_sc_db_id, pst_sc_type_code)	pst_sc_db_site, pst_sc_db_id, pst_sc_type_code
	window_type (win_db_site, win_db_id, win_type_code)	win_db_site, win_db_id, win_type_code
	average_type (ave_db_site, ave_db_id, ave_type_code)	ave_db_site, ave_db_id, ave_type_code
	average_type (ave_db_site, ave_db_id, ave_type_code)	ave_db_site, ave_db_id, ave_type_code
	ave_weight_type (ave_wt_db_site, ave_wt_db_id, ave_wt_type_code)	ave_wt_db_site, ave_wt_db_id, ave_wt_type_code
	ave_synch_type (ave_sy_db_site, ave_sy_db_id, ave_sy_type_code)	ave_sy_db_site, ave_sy_db_id, ave_sy_type_code
	sp_stream (sp_str_db_site, sp_str_db_id, sp_stream_id)	sp_str_db_site, sp_str_db_id, sp_stream_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code
<u>Check</u>	<u>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.

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
ordering_seq		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
secs_or_revs		CHAR(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		INTEGER NOT NULL
win_db_id		INTEGER NOT NULL
win_type_code		INTEGER NOT NULL
ave_db_site		INTEGER
ave_db_id		INTEGER
ave_type_code		INTEGER
ave_wt_db_site		INTEGER
ave_wt_db_id		INTEGER
ave_wt_type_code		INTEGER
ave_sy_db_site		INTEGER
ave_sy_db_id		INTEGER
ave_sy_type_code		INTEGER

ave_overlap_pct		DOUBLE
num_of_averages		INTEGER
sp_str_db_site		INTEGER
sp_str_db_id		INTEGER
sp_stream_id		INTEGER
assoc_rpm_in_hz		DOUBLE
name		VARCHAR(254)
complex_yn		CHAR(1) NOT NULL
waveform_data		LONG BINARY
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	meas_event (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	window_type (win_db_site, win_db_id, win_type_code)	win_db_site, win_db_id, win_type_code
	average_type (ave_db_site, ave_db_id, ave_type_code)	ave_db_site, ave_db_id, ave_type_code
	ave_weight_type (ave_wt_db_site, ave_wt_db_id, ave_wt_type_code)	ave_wt_db_site, ave_wt_db_id, ave_wt_type_code
	ave_synch_type (ave_sy_db_site, ave_sy_db_id, ave_sy_type_code)	ave_sy_db_site, ave_sy_db_id, ave_sy_type_code
	sp_stream (sp_str_db_site, sp_str_db_id, sp_stream_id)	sp_str_db_site, sp_str_db_id, sp_stream_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code
<u>Check</u>	<u>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		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
ordering_seq		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
pst_sc_db_site		INTEGER NOT NULL
pst_sc_db_id		INTEGER NOT NULL
pst_sc_type_code		INTEGER NOT NULL
number_of_bands		INTEGER NOT NULL
center_in_hz_1bd		DOUBLE NOT NULL
width_pct_or_oct		CHAR(1) NOT NULL
band_width		DOUBLE NOT NULL
ave_db_site		INTEGER
ave_db_id		INTEGER
ave_type_code		INTEGER
ave_wt_db_site		INTEGER
ave_wt_db_id		INTEGER
ave_wt_type_code		INTEGER
ave_sy_db_site		INTEGER
ave_sy_db_id		INTEGER
ave_sy_type_code		INTEGER
ave_overlap_pct		DOUBLE
num_of_averages		INTEGER
sp_str_db_site		INTEGER
sp_str_db_id		INTEGER
sp_stream_id		INTEGER

assoc_rpm_in_hz		DOUBLE
name		VARCHAR(254)
spectrum_data		LONG BINARY
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	meas_event (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	post_scaling_type (pst_sc_db_site, pst_sc_db_id, pst_sc_type_code)	pst_sc_db_site, pst_sc_db_id, pst_sc_type_code
	average_type (ave_db_site, ave_db_id, ave_type_code)	ave_db_site, ave_db_id, ave_type_code
	ave_weight_type (ave_wt_db_site, ave_wt_db_id, ave_wt_type_code)	ave_wt_db_site, ave_wt_db_id, ave_wt_type_code
	ave_synch_type (ave_sy_db_site, ave_sy_db_id, ave_sy_type_code)	ave_sy_db_site, ave_sy_db_id, ave_sy_type_code
	sp_stream (sp_str_db_site, sp_str_db_id, sp_stream_id)	sp_str_db_site, sp_str_db_id, sp_stream_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code
<u>Check</u>	<u>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		INTEGER NOT NULL
ord_list_db_id		INTEGER NOT NULL
ord_list_id		INTEGER NOT NULL
name		VARCHAR(254)
user_tag_ident		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	ord_list_db_site, ord_list_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
ord_list_db_id		INTEGER NOT NULL
ord_list_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id)	ord_list_db_site, ord_list_db_id, ord_list_id
	meas_location (meas_loc_site, meas_loc_id)	meas_loc_site, meas_loc_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
ord_list_db_id		INTEGER NOT NULL
ord_list_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
channel_number		INTEGER NOT NULL
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id)	ord_list_db_site, ord_list_db_id, ord_list_id
	meas_location (meas_loc_site, meas_loc_id)	meas_loc_site, meas_loc_id
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#89 sp_ampl_setup

Description: Collection Setup Parameters for Signal-Processed Frequency / Order Single Amplitude / Vector Data 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		INTEGER NOT NULL
spa_setup_db_id		INTEGER NOT NULL
spa_setup_id		INTEGER NOT NULL
pst_sc_db_site		INTEGER NOT NULL
pst_sc_db_id		INTEGER NOT NULL
pst_sc_type_code		INTEGER NOT NULL
freq_or_order		CHAR(1) NOT NULL
min_in_hz_or_ord		DOUBLE NOT NULL
max_in_hz_or_ord		DOUBLE NOT NULL
src_dt_db_site		INTEGER
src_dt_db_id		INTEGER
src_dt_type_code		INTEGER
sp_str_db_site		INTEGER
sp_str_db_id		INTEGER
sp_stream_id		INTEGER
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	spa_setup_db_site, spa_setup_db_id
	post_scaling_type (pst_sc_db_site, pst_sc_db_id, pst_sc_type_code)	pst_sc_db_site, pst_sc_db_id, pst_sc_type_code
	src_detect_type (src_dt_db_site, src_dt_db_id, src_dt_type_code)	src_dt_db_site, src_dt_db_id, src_dt_type_code
	sp_stream (sp_str_db_site, sp_str_db_id, sp_stream_id)	sp_str_db_site, sp_str_db_id, sp_stream_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

Check	Column	Value Range
	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		INTEGER NOT NULL
ord_list_db_id		INTEGER NOT NULL
ord_list_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
channel_number		INTEGER NOT NULL
spa_setup_db_site		INTEGER NOT NULL
spa_setup_db_id		INTEGER NOT NULL
spa_setup_id		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	mloc_unit_list (ord_list_db_site, ord_list_db_id, ord_list_id, ordering_seq, channel_number)	ord_list_db_site, ord_list_db_id, ord_list_id, ordering_seq, channel_number
	sp_ampl_setup (spa_setup_db_site, spa_setup_db_id, spa_setup_id)	spa_setup_db_site, spa_setup_db_id, spa_setup_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#90 sp_fft_setup**Description: Collection Setup Parameters for Signal-Processed Real / Complex Linear Frequency / Order FFT Spectrum Data 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		INTEGER NOT NULL
spf_setup_db_id		INTEGER NOT NULL
spf_setup_id		INTEGER NOT NULL
pst_sc_db_site		INTEGER NOT NULL
pst_sc_db_id		INTEGER NOT NULL
pst_sc_type_code		INTEGER NOT NULL
freq_or_order		CHAR(1) NOT NULL
min_in_hz_or_ord		DOUBLE NOT NULL
max_in_hz_or_ord		DOUBLE NOT NULL
resolution_lines		INTEGER NOT NULL
win_db_site		INTEGER NOT NULL
win_db_id		INTEGER NOT NULL
win_type_code		INTEGER NOT NULL
ave_db_site		INTEGER
ave_db_id		INTEGER
ave_type_code		INTEGER
ave_wt_db_site		INTEGER
ave_wt_db_id		INTEGER
ave_wt_type_code		INTEGER
ave_sy_db_site		INTEGER
ave_sy_db_id		INTEGER
ave_sy_type_code		INTEGER
ave_overlap_pct		DOUBLE
num_of_averages		INTEGER
sp_str_db_site		INTEGER
sp_str_db_id		INTEGER
sp_stream_id		INTEGER
complex_yn		CHAR(1) NOT NULL
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>

	site_database (db_site, db_id)	spf_setup_db_site, spf_setup_db_id
	post_scaling_type (pst_sc_db_site, pst_sc_db_id, pst_sc_type_code)	pst_sc_db_site, pst_sc_db_id, pst_sc_type_code
	window_type (win_db_site, win_db_id, win_type_code)	win_db_site, win_db_id, win_type_code
	average_type (ave_db_site, ave_db_id, ave_type_code)	ave_db_site, ave_db_id, ave_type_code
	ave_weight_type (ave_wt_db_site, ave_wt_db_id, ave_wt_type_code)	ave_wt_db_site, ave_wt_db_id, ave_wt_type_code
	ave_synch_type (ave_sy_db_site, ave_sy_db_id, ave_sy_type_code)	ave_sy_db_site, ave_sy_db_id, ave_sy_type_code
	sp_stream (sp_str_db_site, sp_str_db_id, sp_stream_id)	sp_str_db_site, sp_str_db_id, sp_stream_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code
<u>Check</u>	<u>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		INTEGER NOT NULL
ord_list_db_id		INTEGER NOT NULL
ord_list_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
channel_number		INTEGER NOT NULL
spf_setup_db_site		INTEGER NOT NULL
spf_setup_db_id		INTEGER NOT NULL
spf_setup_id		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	mloc_unit_list (ord_list_db_site, ord_list_db_id, ord_list_id, ordering_seq, channel_number)	ord_list_db_site, ord_list_db_id, ord_list_id, ordering_seq, channel_number
	sp_fft_setup (spf_setup_db_site, spf_setup_db_id, spf_setup_id)	spf_setup_db_site, spf_setup_db_id, spf_setup_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#91 sp_time_setup

Description: Collection Setup Parameters for Signal-Processed Real / Complex Linear Linear Time Waveform Data 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		INTEGER NOT NULL
spt_setup_db_id		INTEGER NOT NULL
spt_setup_id		INTEGER NOT NULL
secs_or_revs		CHAR(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		INTEGER NOT NULL
win_db_id		INTEGER NOT NULL
win_type_code		INTEGER NOT NULL
ave_db_site		INTEGER
ave_db_id		INTEGER
ave_type_code		INTEGER
ave_wt_db_site		INTEGER
ave_wt_db_id		INTEGER
ave_wt_type_code		INTEGER
ave_sy_db_site		INTEGER
ave_sy_db_id		INTEGER
ave_sy_type_code		INTEGER
ave_overlap_pct		DOUBLE
num_of_averages		INTEGER
sp_str_db_site		INTEGER
sp_str_db_id		INTEGER
sp_stream_id		INTEGER
complex_yn		CHAR(1) NOT NULL
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	spt_setup_db_site, spt_setup_db_id
	window_type (win_db_site, win_db_id,	win_db_site, win_db_id,

	win_type_code)	win_type_code
	average_type (ave_db_site, ave_db_id, ave_type_code)	ave_db_site, ave_db_id, ave_type_code
	ave_weight_type (ave_wt_db_site, ave_wt_db_id, ave_wt_type_code)	ave_wt_db_site, ave_wt_db_id, ave_wt_type_code
	ave_synch_type (ave_sy_db_site, ave_sy_db_id, ave_sy_type_code)	ave_sy_db_site, ave_sy_db_id, ave_sy_type_code
	sp_stream (sp_str_db_site, sp_str_db_id, sp_stream_id)	sp_str_db_site, sp_str_db_id, sp_stream_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code
<u>Check</u>	<u>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		INTEGER NOT NULL
ord_list_db_id		INTEGER NOT NULL
ord_list_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
channel_number		INTEGER NOT NULL
spt_setup_db_site		INTEGER NOT NULL
spt_setup_db_id		INTEGER NOT NULL
spt_setup_id		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	mloc_unit_list (ord_list_db_site, ord_list_db_id, ord_list_id, ordering_seq, channel_number)	ord_list_db_site, ord_list_db_id, ord_list_id, ordering_seq, channel_number
	sp_time_setup (spt_setup_db_site, spt_setup_db_id, spt_setup_id)	spt_setup_db_site, spt_setup_db_id, spt_setup_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#92 sp_cpb_setup

Description: Collection Setup Parameters for Signal-Processed Real Linear Constant Percentage Band Data 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		INTEGER NOT NULL
spc_setup_db_id		INTEGER NOT NULL
spc_setup_id		INTEGER NOT NULL
pst_sc_db_site		INTEGER NOT NULL
pst_sc_db_id		INTEGER NOT NULL
pst_sc_type_code		INTEGER NOT NULL
number_of_bands		INTEGER NOT NULL
center_in_hz_1bd		DOUBLE NOT NULL
width_pct_or_oct		CHAR(1) NOT NULL
band_width		DOUBLE NOT NULL
ave_db_site		INTEGER
ave_db_id		INTEGER
ave_type_code		INTEGER
ave_wt_db_site		INTEGER
ave_wt_db_id		INTEGER
ave_wt_type_code		INTEGER
ave_sy_db_site		INTEGER
ave_sy_db_id		INTEGER
ave_sy_type_code		INTEGER
ave_overlap_pct		DOUBLE
num_of_averages		INTEGER
sp_str_db_site		INTEGER
sp_str_db_id		INTEGER
sp_stream_id		INTEGER
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	spc_setup_db_site, spc_setup_db_id
	post_scaling_type (pst_sc_db_site, pst_sc_db_id, pst_sc_type_code)	pst_sc_db_site, pst_sc_db_id,

		pst_sc_type_code
	average_type (ave_db_site, ave_db_id, ave_type_code)	ave_db_site, ave_db_id, ave_type_code
	ave_weight_type (ave_wt_db_site, ave_wt_db_id, ave_wt_type_code)	ave_wt_db_site, ave_wt_db_id, ave_wt_type_code
	ave_synch_type (ave_sy_db_site, ave_sy_db_id, ave_sy_type_code)	ave_sy_db_site, ave_sy_db_id, ave_sy_type_code
	sp_stream (sp_str_db_site, sp_str_db_id, sp_stream_id)	sp_str_db_site, sp_str_db_id, sp_stream_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code
<u>Check</u>	<u>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		INTEGER NOT NULL
ord_list_db_id		INTEGER NOT NULL
ord_list_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
channel_number		INTEGER NOT NULL
spc_setup_db_site		INTEGER NOT NULL
spc_setup_db_id		INTEGER NOT NULL
spc_setup_id		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	mloc_unit_list (ord_list_db_site, ord_list_db_id, ord_list_id, ordering_seq, channel_number)	ord_list_db_site, ord_list_db_id, ord_list_id, ordering_seq, channel_number
	sp_cpb_setup (spc_setup_db_site, spc_setup_db_id, spc_setup_id)	spc_setup_db_site, spc_setup_db_id, spc_setup_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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Alarm Tables

#317 num_alarm_reg

Description: Measurement Location Numeric Alarm Regions

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
alarm_db_site		INTEGER NOT NULL
alarm_db_id		INTEGER NOT NULL
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
al_db_site		INTEGER NOT NULL
al_db_id		INTEGER NOT NULL
al_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
gmt_alarm_start	Time alarm becomes effective (GMT)	CHAR(29) NOT NULL
st_loc_hr_delta	Start time local hour offset from GMT	SMALLINT
st_loc_min_delta	Start time local minute offset from GMT	SMALLINT
min_amplitude		DOUBLE NOT NULL
max_amplitude		DOUBLE NOT NULL
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	alarm_db_site, alarm_db_id
	meas_location (meas_loc_site, meas_loc_id)	meas_loc_site, meas_loc_id
	alarm_type (al_db_site, al_db_siid, al_type_code)	al_db_site, al_db_siid, al_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#319 spa_alarm_reg**Description: Signal-processed Amplitudes Alarm Regions**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
alarm_db_site		INTEGER NOT NULL
alarm_db_id		INTEGER NOT NULL
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
al_db_site		INTEGER NOT NULL
al_db_id		INTEGER NOT NULL
al_type_code		INTEGER NOT NULL
freq_or_order		CHAR(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)	CHAR(29) NOT NULL
st_loc_hr_delta	Time local hour offset from GMT	SMALLINT
st_loc_hr_delta	Time local minute offset from GMT	SMALLINT
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
pst_sc_db_site		INTEGER NOT NULL
pst_sc_db_id		INTEGER NOT NULL
pst_sc_type_code		INTEGER NOT NULL
src_dt_db_site		INTEGER
src_dt_db_id		INTEGER
src_dt_type_code		INTEGER
min_amplitude		DOUBLE NOT NULL
max_amplitude		DOUBLE NOT NULL
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	alarm_db_site, alarm_db_id
	meas_location (meas_loc_site, meas_loc_id)	meas_loc_site, meas_loc_id
	alarm_type (al_db_site, al_db_id, al_type_code)	al_db_site, al_db_id, al_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	post_scaling_type (pst_sc_db_site, pst_sc_db_id, pst_sc_type_code)	pst_sc_db_site, pst_sc_db_id,

		pst_sc_type_code
	src_detect_type (src_dt_db_site, src_dt_db_id, src_dt_type_code)	src_dt_db_site, src_dt_db_id, src_dt_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code
<u>Check</u>	<u>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		INTEGER NOT NULL
alarm_db_id		INTEGER NOT NULL
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
stt_db_site		INTEGER NOT NULL
stt_db_id		INTEGER NOT NULL
stt_code		INTEGER NOT NULL
al_db_site		INTEGER NOT NULL
al_db_id		INTEGER NOT NULL
al_type_code		INTEGER NOT NULL
strn_db_site		INTEGER NOT NULL
strn_db_id		INTEGER NOT NULL
str_num_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
gmt_alarm_start		CHAR(29) NOT NULL
st_loc_hr_delta		SMALLINT
st_loc_min_delta		SMALLINT
min_data_value		DOUBLE NOT NULL
max_data_value		DOUBLE NOT NULL
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	alarm_db_site, alarm_db_id
	meas_location (meas_loc_site, meas_loc_id)	meas_loc_site, meas_loc_id
	sample_test_type (stt_db_site, stt_db_id, stt_code)	stt_db_site, stt_db_id, stt_code
	alarm_type (al_db_site, al_db_id, al_type_code)	al_db_site, al_db_id, al_type_code
	test_result_ntype (strn_db_site, strn_db_id, str_num_type_code)	strn_db_site, strn_db_id, str_num_type_code

	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
al_db_site		INTEGER NOT NULL
al_db_id		INTEGER NOT NULL
al_type_code		INTEGER NOT NULL
gmt_acknowledged		CHAR(29)
ack_loc_hr_delta		SMALLINT
ack_loc_min_delta		SMALLINT
org_agent_site	Agent which acknowledged the alarm	INTEGER
agent_id	Agent which acknowledged the alarm	INTEGER
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	mevent_num_data (meas_loc_site, meas_loc_id, gmt_event, eu_db_site, eu_db_id, eu_type_code)	meas_loc_site, meas_loc_id, gmt_event, eu_db_site, eu_db_id, eu_type_code
	alarm_type (al_db_site, al_db_id, al_type_code)	al_db_site, al_db_siid, al_type_code
	agent (org_agent_site, agent_id)	org_agent_site, agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id

	row_status_type (rstat_type_cod)	rstat_type_code

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#318 num_al_assoc_reg**Description: Numeric Alarm Associated Regions in Alarm**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
al_db_site		INTEGER NOT NULL
al_db_id		INTEGER NOT NULL
al_type_code		INTEGER NOT NULL
alarm_db_site		INTEGER NOT NULL
alarm_db_id		INTEGER NOT NULL
al_meas_loc_site		INTEGER NOT NULL
al_meas_loc_id		INTEGER NOT NULL
al_ordering_seq		INTEGER NOT NULL
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	mevent_num_alarm (meas_loc_site, meas_loc_id, gmt_event, eu_db_site, eu_db_id, eu_type_code, al_db_site, al_db_id, al_type_code)	meas_loc_site, meas_loc_id, gmt_event, eu_db_site, eu_db_id, eu_type_code, al_db_site, al_db_id, al_type_code
	num_alarm_reg (alarm_db_site, alarm_db_id, meas_loc_site, meas_loc_id, ordering_seq)	alarm_db_site, alarm_db_id, al_meas_loc_site, al_meas_loc_id, al_ordering_seq
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#79 sp_ampl_alarm

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

Column	Description	Size/Type
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
ordering_seq		INTEGER NOT NULL
al_db_site		INTEGER NOT NULL
al_db_id		INTEGER NOT NULL
al_type_code		INTEGER NOT NULL
gmt_acknowledged	Time of acknowledgement (GMT)	CHAR(29)
ack_loc_hr_delta	Local hour offset from GMT	SMALLINT
ack_loc_min_delta	Local minute offset from GMT	SMALLINT
org_agent_site	Agent which acknowledged the alarm	INTEGER
agent_id	Agent which acknowledged the alarm	INTEGER
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sp_ampl_data (meas_loc_site, meas_loc_id, gmt_event, ordering_seq)	meas_loc_site, meas_loc_id, gmt_event, ordering_seq
	alarm_type (al_db_site, al_db_id, al_type_code)	al_db_site, al_db_id, al_type_code
	agent (org_agent_site, agent_id)	org_agent_site, agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#320 spa_al_assoc_reg**Description: Signal-Processed Amplitude Associated Regions in Alarm**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
ordering_seq		INTEGER NOT NULL
al_db_site		INTEGER NOT NULL
al_db_id		INTEGER NOT NULL
al_type_code		INTEGER NOT NULL
alarm_db_site		INTEGER NOT NULL
alarm_db_id		INTEGER NOT NULL
al_meas_loc_site		INTEGER NOT NULL
al_meas_loc_id		INTEGER NOT NULL
al_ordering_seq		INTEGER NOT NULL
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sp_ampl_alarm (meas_loc_site, meas_loc_id, gmt_event, ordering_seq, al_db_site, al_db_id, al_type_code)	meas_loc_site, meas_loc_id, gmt_event, ordering_seq, al_db_site, al_db_id, al_type_code
	spa_alarm_reg (alarm_db_site, alarm_db_id, meas_loc_site, meas_loc_id, ordering_seq)	alarm_db_site, alarm_db_id, al_meas_loc_site, al_meas_loc_id, al_ordering_seq
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#120 blob_alarm**Description: Measurement Event BLOB Data Alarm**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
mebt_db_site		INTEGER NOT NULL
mebt_db_id		INTEGER NOT NULL
meb_type_code		INTEGER NOT NULL
al_db_site		INTEGER NOT NULL
al_db_id		INTEGER NOT NULL
al_type_code		INTEGER NOT NULL
gmt_acknowledged		CHAR(29)
ack_loc_hr_delta		SMALLINT
ack_loc_min_delta		SMALLINT
org_agent_site	Agent which acknowledged the alarm	INTEGER
agent_id	Agent which acknowledged the alarm	INTEGER
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
Primary Key	<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>
	mevent_blob_data (meas_loc_site, meas_loc_id, gmt_event, mebt_db_site, mebt_db_id, meb_type_code)	meas_loc_site, meas_loc_id, gmt_event, mebt_db_site, mebt_db_id, meb_type_code
	alarm_type (al_db_site, al_db_id, al_type_code)	al_db_site, al_db_id, al_type_code
	agent (org_agent_site, agent_id)	org_agent_site, agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#293 blob_area_alarm**Description: Measurement Event BLOB Data Area in Alarm.**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
mebt_db_site		INTEGER NOT NULL
mebt_db_id		INTEGER NOT NULL
meb_type_code		INTEGER NOT NULL
area_seq		INTEGER NOT NULL
x_resolution	Total dimensions of the rectangular	INTEGER NOT NULL
y_resolution	grid related to the BLOB image (grid resolution)	INTEGER NOT NULL
high_db_site	Highlight area type (arrow, rectangle, etc.)	INTEGER NOT NULL
high_db_id		INTEGER NOT NULL
high_type_code		INTEGER NOT NULL
data_origin_x	X, Y coordinates of the origin of the	INTEGER 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 highlight_type)	INTEGER NOT NULL
data_end_x	X, Y coordinates of the end of the	INTEGER 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 highlight_type)	INTEGER NOT NULL
al_db_site		INTEGER NOT NULL
al_db_id		INTEGER NOT NULL
al_type_code		INTEGER NOT NULL
gmt_acknowledged		CHAR(29)
ack_loc_hr_delta		SMALLINT
ack_loc_min_delta		SMALLINT
org_agent_site	Agent which acknowledged the alarm	INTEGER
agent_id	Agent which acknowledged the alarm	INTEGER
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	mevent_blob_data (meas_loc_site, meas_loc_id, gmt_event,	meas_loc_site, meas_loc_id, gmt_event, mebt_db_site,

	mebt_db_site, mebt_db_id, meb_type_code)	mebt_db_id, meb_type_code
	highlight_type (high_db_site, high_db_id, high_type_code)	high_db_site, high_db_id, high_type_code
	alarm_type (al_db_site, al_db_id, al_type_code)	al_db_site, al_db_id, al_type_code
	agent (org_agent_site, agent_id)	org_agent_site, agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#191 test_nres_alarm**Description: Measurement Sample Test Numeric Result Alarms**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
sample_order_seq		INTEGER NOT NULL
test_order_seq		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
al_db_site		INTEGER NOT NULL
al_db_id		INTEGER NOT NULL
al_type_code		INTEGER NOT NULL
gmt_acknowledged		CHAR(29)
ack_loc_hr_delta		SMALLINT
ack_loc_min_delta		SMALLINT
org_agent_site	Agent which acknowledged the alarm	INTEGER
agent_id	Agent which acknowledged the alarm	INTEGER
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	test_num_results (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
	alarm_type (al_db_site, al_db_id, al_type_code)	al_db_site, al_db_id, al_type_code
	agent (org_agent_site, agent_id)	org_agent_site, agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
sample_order_seq		INTEGER NOT NULL
test_order_seq		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
al_db_site		INTEGER NOT NULL
al_db_id		INTEGER NOT NULL
al_type_code		INTEGER NOT NULL
alarm_db_site		INTEGER NOT NULL
alarm_db_id		INTEGER NOT NULL
al_meas_loc_site		INTEGER NOT NULL
al_meas_loc_id		INTEGER NOT NULL
al_ordering_seq		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	test_nres_alarm (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
	mloc_test_alm_rq (alarm_db_site, alarm_db_id, meas_loc_site, meas_loc_id, ordering_seq)	alarm_db_site, alarm_db_id, al_meas_loc_site, al_meas_loc_id, al_ordering_seq
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#192 test_bres_alarm**Description: Measurement Sample Test BLOB Result Alarms**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
sample_order_seq		INTEGER NOT NULL
test_order_seq		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
al_db_site		INTEGER NOT NULL
al_db_id		INTEGER NOT NULL
al_type_code		INTEGER NOT NULL
gmt_acknowledged		CHAR(29)
ack_loc_hr_delta		SMALLINT
ack_loc_min_delta		SMALLINT
org_agent_site	Agent which acknowledged the alarm	INTEGER
agent_id	Agent which acknowledged the alarm	INTEGER
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	test_blob_results (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
	alarm_type (al_db_site, al_db_id, al_type_code)	al_db_site, al_db_id, al_type_code
	agent (org_agent_site, agent_id)	org_agent_site, agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#62 mloc_num_alrm_rg (DELETED)

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#77 mloc_spa_alrm_rg (DELETED)

**OBSOLETE
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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)	INTEGER NOT NULL
agent_id		INTEGER NOT NULL
agent_db_site		INTEGER NOT NULL
agent_db_id		INTEGER NOT NULL
agent_type_code		INTEGER NOT NULL
name		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	org_agent_site, agent_id
	agent_type (agent_db_site, agent_db_id, agent_type_code)	agent_db_site, agent_db_id, agent_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
agent_id		INTEGER NOT NULL
ag_role_db_site		INTEGER NOT NULL
ag_role_db_id		INTEGER NOT NULL
ag_role_type_code		INTEGER NOT NULL
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	agent (org_agent_site, agent_id)	org_agent_site, agent_id
	agent_role_type (ag_role_db_site, ag_role_db_id, ag_role_type_code)	ag_role_db_site, ag_role_db_id, ag_role_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#223 agent_role_with_agent

Description: Agent in Defined Role with Associated Agent 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_rold_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		INTEGER NOT NULL
agent_id		INTEGER NOT NULL
ag_role_db_site		INTEGER NOT NULL
ag_role_db_id		INTEGER NOT NULL
ag_role_type_code		INTEGER NOT NULL
other_org_agent_site		INTEGER NOT NULL
other_agent_id		INTEGER NOT NULL
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	agent_role (org_agent_site, agent_id, ag_role_db_site, ag_role_db_id, ag_role_type_code)	org_agent_site, agent_id, ag_role_db_site, ag_role_db_id, ag_role_type_code
	agent (org_agent_site, agent_id)	other_org_agent_site, other_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
sample_order_seq		INTEGER NOT NULL
user_tag_ident	Alpha-numeric sample number	VARCHAR(254) NOT NULL
by_agent_site		INTEGER
by_agent_id		INTEGER
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	meas_event (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	agent (org_agent_site, agent_id)	by_agent_site, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
sample_order_seq		INTEGER NOT NULL
child_mloc_site		INTEGER NOT NULL
child_mloc_id		INTEGER NOT NULL
child_gmt_event		CHAR(29) NOT NULL
child_sam_ord_seq		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	meas_sample (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq)	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq
	meas_sample (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq)	child_mloc_site, child_mloc_id, child_gmt_event, child_sam_ord_seq
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#213 sample_num_data**Description: Measurement Sample Numeric Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
sample_order_seq		INTEGER NOT NULL
snum_db_site		INTEGER NOT NULL
snum_db_id		INTEGER NOT NULL
snum_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	meas_sample (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq)	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq
	sample_ndata_type (snum_db_site, snum_db_id, snum_type_code)	snum_db_site, snum_db_id, snum_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#288 sample_chr_data**Description: Measurement Sample Character Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
sample_order_seq		INTEGER NOT NULL
schr_db_site		INTEGER NOT NULL
schr_db_id		INTEGER NOT NULL
schr_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	meas_sample (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq)	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq
	sample_cdata_type (schr_db_site, schr_db_id, schr_type_code)	schr_db_site, schr_db_id, schr_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#289 sample_remark**Description: Measurement Sample Remark**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
sample_order_seq		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
remark_text		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	meas_sample (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq)	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
sample_order_seq		INTEGER NOT NULL
test_order_seq		INTEGER NOT NULL
stt_db_site		INTEGER NOT NULL
stt_db_id		INTEGER NOT NULL
stt_code		INTEGER NOT NULL
user_tag_ident		VARCHAR(254) NOT NULL
name		VARCHAR(254)
by_agent_site		INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
test_asset_site	Asset used to perform the test	INTEGER
test_asset_id	Asset used to perform the test	INTEGER
gmt_started		CHAR(29)
st_loc_hr_delta		SMALLINT
st_loc_min_delta		SMALLINT
gmt_ended		CHAR(29)
end_loc_hr_delta		SMALLINT
end_loc_min_delta		SMALLINT
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	meas_sample (meas_loc_site, meas_loc_id, gmt_event, sample_order_seq)	meas_loc_site, meas_loc_id, gmt_event, sample_order_seq
	sample_test_type (stt_db_site, stt_db_id, stt_code)	stt_db_site, stt_db_id, stt_code
	agent (org_agent_site, agent_id)	by_agent_site, by_agent_id
	asset (asset_org_site, asset_id)	test_asset_site, test_asset_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
sample_order_seq		INTEGER NOT NULL
test_order_seq		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
strn_db_site		INTEGER NOT NULL
strn_db_id		INTEGER NOT NULL
str_num_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
real_data_value		DOUBLE NOT NULL
imag_data_value		DOUBLE
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	meas_sample_test (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
	test_result_ntype (strn_db_site, strn_db_id, str_num_type_code)	strn_db_site, strn_db_id, str_num_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#285 test_chr_results**Description: Measurement Sample Test Character Results**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
sample_order_seq		INTEGER NOT NULL
test_order_seq		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
strc_db_site		INTEGER NOT NULL
strc_db_id		INTEGER NOT NULL
str_chr_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	meas_sample_test (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
	test_result_ctype (strc_db_site, strc_db_id, str_chr_type_code)	strc_db_site, strc_db_id, str_chr_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
sample_order_seq		INTEGER NOT NULL
test_order_seq		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
strb_db_site		INTEGER NOT NULL
strb_db_id		INTEGER NOT NULL
str_blob_type_code		INTEGER NOT NULL
bd_db_site		INTEGER NOT NULL
bd_db_id		INTEGER NOT NULL
bd_type_code		INTEGER NOT NULL
name		VARCHAR(254)
assoc_file_name		VARCHAR(254)
image_data		LONG BINARY
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	meas_sample_test (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
	test_result_btype (strb_db_site, strb_db_id, str_blob_type_code)	strb_db_site, strb_db_id, str_blob_type_code
	blob_data_type (strb_db_site, strb_db_id, str_blob_type_code)	bd_db_site, bd_db_id, bd_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
sample_order_seq		INTEGER NOT NULL
test_order_seq		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
strn_db_site		INTEGER NOT NULL
strn_db_id		INTEGER NOT NULL
str_num_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
min_screen_in_eu		INTEGER NOT NULL
max_screen_in_eu		INTEGER NOT NULL
resolution_lines		INTEGER NOT NULL
name		VARCHAR(254)
histogram_data		LONG BINARY
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	meas_sample_test (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
	test_result_ntype (strn_db_site, strn_db_id, str_num_type_code)	strn_db_site, strn_db_id, str_num_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#287 test_remark**Description: Measurement Sample Test Remark**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
sample_order_seq		INTEGER NOT NULL
test_order_seq		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
remark_text		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	meas_sample_test (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
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (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		INTEGER NOT NULL
db_id		INTEGER NOT NULL
sg_db_site		INTEGER NOT NULL
sg_db_id		INTEGER NOT NULL
sg_type_code		INTEGER NOT NULL
bd_db_site		INTEGER NOT NULL
bd_db_id		INTEGER NOT NULL
bd_type_code		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
name		VARCHAR(254)
assoc_file_name		VARCHAR(254)
image_data		LONG BINARY
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	db_site, db_id
	segment_type (sg_db_site, sg_db_id, sg_type_code)	sg_db_site, sg_db_id, sg_type_code
	blob_data_type (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#225 as_type_blob_data**Description: Asset Type Binary Data Related To a Specific Database**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
db_site		INTEGER NOT NULL
db_id		INTEGER NOT NULL
as_db_site		INTEGER NOT NULL
as_db_id		INTEGER NOT NULL
as_type_code		INTEGER NOT NULL
bd_db_site		INTEGER NOT NULL
bd_db_id		INTEGER NOT NULL
bd_type_code		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
name		VARCHAR(254)
assoc_file_name		VARCHAR(254)
image_data		LONG BINARY
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	db_site, db_id
	asset_type (as_db_site, as_db_id, as_type_code)	as_db_site, as_db_id, as_type_code
	blob_data_type (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#188 segment_blob_data**Description: Segment Binary Data Related To a Specific Database**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
db_site		INTEGER NOT NULL
db_id		INTEGER NOT NULL
segment_site		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
bd_db_site		INTEGER NOT NULL
bd_db_id		INTEGER NOT NULL
bd_type_code		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
name		VARCHAR(254)
assoc_file_name	In addition to blob	VARCHAR(254)
image_data		LONG BINARY
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	db_site, db_id
	segment (segment_site, segment_id)	segment_site, segment_id
	blob_data_type (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#220 model_blob_data**Description: Model Binary Data Related To a Specific Database**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
db_site		INTEGER NOT NULL
db_id		INTEGER NOT NULL
mf_db_site		INTEGER NOT NULL
mf_db_id		INTEGER NOT NULL
mf_duns_code		INTEGER NOT NULL
model_number		VARCHAR(254) NOT NULL
revision_number		INTEGER NOT NULL
bd_db_site		INTEGER NOT NULL
bd_db_id		INTEGER NOT NULL
bd_type_code		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
name		VARCHAR(254)
assoc_file_name		VARCHAR(254)
image_data		LONG BINARY
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	db_site, db_id
	model (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
	blob_data_type (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
db_id		INTEGER NOT NULL
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
bd_db_site		INTEGER NOT NULL
bd_db_id		INTEGER NOT NULL
bd_type_code		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
name		VARCHAR(254)
assoc_file_name	In addition to blob	VARCHAR(254)
image_data		LONG BINARY
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	db_site, db_id
	asset (asset_org_site, asset_id)	asset_org_site, asset_id
	blob_data_type (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (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		INTEGER NOT NULL
db_id		INTEGER NOT NULL
ord_list_db_site		INTEGER NOT NULL
ord_list_db_id		INTEGER NOT NULL
ord_list_id		INTEGER NOT NULL
bd_db_site		INTEGER NOT NULL
bd_db_id		INTEGER NOT NULL
bd_type_code		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
name		VARCHAR(254)
assoc_file_name		VARCHAR(254)
image_data		LONG BINARY
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	db_site, db_id
	ordered_list (ord_list_db_site, ord_list_db_id, ord_id)	ord_list_db_site, ord_list_db_id, ord_list_id
	blob_data_type (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (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		INTEGER NOT NULL
db_id		INTEGER NOT NULL
sg_db_site		INTEGER NOT NULL
sg_db_id		INTEGER NOT NULL
sg_type_code		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
user_tag_id		VARCHAR(254) NOT NULL
name		VARCHAR(254)
gmt_created		CHAR(29)
cr_loc_hr_delta		SMALLINT
cr_loc_min_delta		SMALLINT
by_org_asite		INTEGER
by_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	db_site, db_id
	segment_type (sg_db_site, sg_db_id, sg_type_code)	sg_db_site, sg_db_id, sg_type_code
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#265 as_type_function**Description: Function Codes, Descriptions of an Asset Type**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
db_site		INTEGER NOT NULL
db_id		INTEGER NOT NULL
as_db_site		INTEGER NOT NULL
as_db_id		INTEGER NOT NULL
as_type_code		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
user_tag_id		VARCHAR(254) NOT NULL
name		VARCHAR(254)
gmt_created		CHAR(29)
cr_loc_hr_delta		SMALLINT
cr_loc_min_delta		SMALLINT
by_org_asite		INTEGER
by_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	db_site, db_id
	asset_type (as_db_site, as_db_id, as_type_code)	as_db_site, as_db_id, as_type_code
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#268 model_function**Description: Function Codes, Descriptions of a Model**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
db_site		INTEGER NOT NULL
db_id		INTEGER NOT NULL
mf_db_site		INTEGER NOT NULL
mf_db_id		INTEGER NOT NULL
mf_duns_code		INTEGER NOT NULL
model_number		VARCHAR(254) NOT NULL
revision_number		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
user_tag_id		VARCHAR(254) NOT NULL
name		VARCHAR(254)
gmt_created		CHAR(29)
cr_loc_hr_delta		SMALLINT
cr_loc_min_delta		SMALLINT
by_org_asite		INTEGER
by_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	db_site, db_id
	model (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
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#226 segment_function**Description: Function Codes, Descriptions of a Service Segment**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
db_site		INTEGER NOT NULL
db_id		INTEGER NOT NULL
segment_site		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
user_tag_id		VARCHAR(254) NOT NULL
name		VARCHAR(254)
gmt_created		CHAR(29)
cr_loc_hr_delta		SMALLINT
cr_loc_min_delta		SMALLINT
by_org_asite		INTEGER
by_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	db_site, db_id
	segment (segment_site, segment_id)	segment_site, segment_id
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
db_id		INTEGER NOT NULL
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
user_tag_id		VARCHAR(254) NOT NULL
name		VARCHAR(254)
gmt_created		CHAR(29)
cr_loc_hr_delta		SMALLINT
cr_loc_min_delta		SMALLINT
by_org_asite		INTEGER
by_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	db_site, db_id
	asset (asset_org_site, asset_id)	asset_org_site, asset_id
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
sgt_hyp_db_id		INTEGER NOT NULL
sgt_hyp_event_id		INTEGER NOT NULL
sg_db_site		INTEGER NOT NULL
sg_db_id		INTEGER NOT NULL
sg_type_code		INTEGER NOT NULL
ev_db_site		INTEGER NOT NULL
ev_db_id		INTEGER NOT NULL
event_type_code		INTEGER NOT NULL
severity_rank		INTEGER
gmt_created		CHAR(29)
cr_loc_hr_delta		SMALLINT
cr_loc_min_delta		SMALLINT
by_org_asite		INTEGER
by_agent_id		INTEGER
name		VARCHAR(254)
associated_blob	Associated document, drawing, etc.	LONG BINARY
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	sgt_hyp_db_site, sgt_hyp_db_id
	segment_type (sg_db_site, sg_db_id, sg_type_code)	sg_db_site, sg_db_id, sg_type_code
	sg_as_event_type (ev_db_site, ev_db_id, event_type_code)	ev_db_site, ev_db_id, event_type_code
	severity_type (severity_rank)	severity_rank
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#241 as_typ_hyp_event

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ast_hyp_db_site		INTEGER NOT NULL
ast_hyp_db_id		INTEGER NOT NULL
ast_hyp_event_id		INTEGER NOT NULL
as_db_site		INTEGER NOT NULL
as_db_id		INTEGER NOT NULL
as_type_code		INTEGER NOT NULL
ev_db_site		INTEGER NOT NULL
ev_db_id		INTEGER NOT NULL
event_type_code		INTEGER NOT NULL
severity_rank		INTEGER
gmt_created		CHAR(29)
cr_loc_hr_delta		SMALLINT
cr_loc_min_delta		SMALLINT
by_org_asite		INTEGER
by_agent_id		INTEGER
name		VARCHAR(254)
associated_blob	Associated document, drawing, etc.	LONG BINARY
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	ast_hyp_db_site, ast_hyp_db_id
	asset_type (as_db_site, as_db_id, as_type_code)	as_db_site, as_db_id, as_type_code
	sg_as_event_type (ev_db_site, ev_db_id, event_type_code)	ev_db_site, ev_db_id, event_type_code
	severity_type (severity_rank)	severity_rank
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#246 model_hyp_event

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
mod_hyp_db_site		INTEGER NOT NULL
mod_hyp_db_id		INTEGER NOT NULL
mod_hyp_event_id		INTEGER NOT NULL
mf_db_site		INTEGER NOT NULL
mf_db_id		INTEGER NOT NULL
mf_duns_code		INTEGER NOT NULL
model_number		VARCHAR(254) NOT NULL
revision_number		INTEGER NOT NULL
ev_db_site		INTEGER NOT NULL
ev_db_id		INTEGER NOT NULL
event_type_code		INTEGER NOT NULL
severity_rank		INTEGER
gmt_created		CHAR(29)
cr_loc_hr_delta		SMALLINT
cr_loc_min_delta		SMALLINT
by_org_asite		INTEGER
by_agent_id		INTEGER
name		VARCHAR(254)
associated_blob	Associated document, drawing, etc.	LONG BINARY
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	mod_hyp_db_site, mod_hyp_db_id
	model (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
	sq_as_event_type (ev_db_site, ev_db_id, event_type_code)	ev_db_site, ev_db_id, event_type_code
	severity_type (severity_rank)	severity_rank
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#230 sg_hyp_event

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_hyp_db_site		INTEGER NOT NULL
sg_hyp_db_id		INTEGER NOT NULL
sg_hyp_event_id		INTEGER NOT NULL
segment_site		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
ev_db_site		INTEGER NOT NULL
ev_db_id		INTEGER NOT NULL
event_type_code		INTEGER NOT NULL
severity_rank		INTEGER
gmt_created		CHAR(29)
cr_loc_hr_delta		SMALLINT
cr_loc_min_delta		SMALLINT
by_org_asite		INTEGER
by_agent_id		INTEGER
name		VARCHAR(254)
associated_blob	Associated document, drawing, etc.	LONG BINARY
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	sg_hyp_db_site, sg_hyp_db_id
	segment (segment_site, segment_id)	segment_site, segment_id
	sg_as_event_type (ev_db_site, ev_db_id, event_type_code)	ev_db_site, ev_db_id, event_type_code
	severity_type (severity_rank)	severity_rank
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#231 as_hyp_event

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_hyp_db_site		INTEGER NOT NULL
as_hyp_db_id		INTEGER NOT NULL
as_hyp_event_id		INTEGER NOT NULL
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
ev_db_site		INTEGER NOT NULL
ev_db_id		INTEGER NOT NULL
event_type_code		INTEGER NOT NULL
severity_rank		INTEGER
gmt_created		CHAR(29)
cr_loc_hr_delta		SMALLINT
cr_loc_min_delta		SMALLINT
by_org_asite		INTEGER
by_agent_id		INTEGER
name		VARCHAR(254)
associated_blob	Associated document, drawing, etc.	LONG BINARY
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	as_hyp_db_site, as_hyp_db_id
	asset (asset_org_site, asset_id)	asset_org_site, asset_id
	sg_as_event_type (ev_db_site, ev_db_id, event_type_code)	ev_db_site, ev_db_id, event_type_code
	severity_type (severity_rank)	severity_rank
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
sgt_hyp_db_id		INTEGER NOT NULL
sgt_hyp_event_id		INTEGER NOT NULL
caused_db_site		INTEGER NOT NULL
caused_db_id		INTEGER NOT NULL
caused_event_id		INTEGER NOT NULL
likelihood_prob	Likelihood probability between 0 and 1	DOUBLE
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sg_typ_hyp_event (sgt_hyp_db_site, sgt_hyp_db_id, sgt_hyp_event_id)	sgt_hyp_db_site, sgt_hyp_db_id, sgt_hyp_event_id
	sg_typ_hyp_event (sgt_hyp_db_site, sgt_hyp_db_id, sgt_hyp_event_id)	caused_db_site, caused_db_id, caused_event_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#243 as_typ_hyp_ev_link

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ast_hyp_db_site		INTEGER NOT NULL
ast_hyp_db_id		INTEGER NOT NULL
ast_hyp_event_id		INTEGER NOT NULL
caused_db_site		INTEGER NOT NULL
caused_db_id		INTEGER NOT NULL
caused_event_id		INTEGER NOT NULL
likelihood_prob	Likelihood probability between 0 and 1	DOUBLE
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	as_typ_hyp_event (ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id)	ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id
	as_typ_hyp_event (ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id)	caused_db_site, caused_db_id, caused_event_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#247 model_hyp_ev_link

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
mod_hyp_db_site		INTEGER NOT NULL
mod_hyp_db_id		INTEGER NOT NULL
mod_hyp_event_id		INTEGER NOT NULL
caused_db_site		INTEGER NOT NULL
caused_db_id		INTEGER NOT NULL
caused_event_id		INTEGER NOT NULL
likelihood_prob	Likelihood probability between 0 and 1	DOUBLE
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	model_hyp_event (mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id)	mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id
	model_hyp_event (mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id)	caused_db_site, caused_db_id, caused_event_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#232 sg_hyp_event_link

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_hyp_db_site		INTEGER NOT NULL
sg_hyp_db_id		INTEGER NOT NULL
sg_hyp_event_id		INTEGER NOT NULL
caused_db_site		INTEGER NOT NULL
caused_db_id		INTEGER NOT NULL
caused_event_id		INTEGER NOT NULL
likelihood_prob	Likelihood probability between 0 and 1	DOUBLE
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sg_hyp_event (sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id)	sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id
	sg_hyp_event (sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id)	caused_db_site, caused_db_id, caused_event_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#233 as_hyp_event_link

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_hyp_db_site		INTEGER NOT NULL
as_hyp_db_id		INTEGER NOT NULL
as_hyp_event_id		INTEGER NOT NULL
caused_db_site		INTEGER NOT NULL
caused_db_id		INTEGER NOT NULL
caused_event_id		INTEGER NOT NULL
likelihood_prob	Likelihood probability between 0 and 1	DOUBLE
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	as_hyp_event (as_hyp_db_site, as_hyp_db_id, as_hyp_event_id)	as_hyp_db_site, as_hyp_db_id, as_hyp_event_id
	as_hyp_event (as_hyp_db_site, as_hyp_db_id, as_hyp_event_id)	caused_db_site, caused_db_id, caused_event_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#244 sg_typ_hyp_ev_num_data**Description: Segment Type Hypothetical Event Numeric Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sgt_hyp_db_site		INTEGER NOT NULL
sgt_hyp_db_id		INTEGER NOT NULL
sgt_hyp_event_id		INTEGER NOT NULL
en_db_site		INTEGER NOT NULL
en_db_id		INTEGER NOT NULL
en_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sg_typ_hyp_event (sgt_hyp_db_site, sgt_hyp_db_id, sgt_hyp_event_id)	sgt_hyp_db_site, sgt_hyp_db_id, sgt_hyp_event_id
	ev_num_data_type (en_db_site, en_db_id, en_type_code)	en_db_site, en_db_id, en_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#245 as_typ_hyp_ev_num_data**Description: Asset Type Hypothetical Event Numeric Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ast_hyp_db_site		INTEGER NOT NULL
ast_hyp_db_id		INTEGER NOT NULL
ast_hyp_event_id		INTEGER NOT NULL
en_db_site		INTEGER NOT NULL
en_db_id		INTEGER NOT NULL
en_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	as_typ_hyp_event (ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id)	ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id
	ev_num_data_type (en_db_site, en_db_id, en_type_code)	en_db_site, en_db_id, en_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#248 model_hyp_ev_num_data**Description: Model Hypothetical Event Numeric Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
mod_hyp_db_site		INTEGER NOT NULL
mod_hyp_db_id		INTEGER NOT NULL
mod_hyp_event_id		INTEGER NOT NULL
en_db_site		INTEGER NOT NULL
en_db_id		INTEGER NOT NULL
en_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	model_hyp_event (mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id)	mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id
	ev_num_data_type (en_db_site, en_db_id, en_type_code)	en_db_site, en_db_id, en_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#234 sg_hyp_ev_num_data**Description: Segment Hypothetical Event Numeric Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_hyp_db_site		INTEGER NOT NULL
sg_hyp_db_id		INTEGER NOT NULL
sg_hyp_event_id		INTEGER NOT NULL
en_db_site		INTEGER NOT NULL
en_db_id		INTEGER NOT NULL
en_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sg_hyp_event (sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id)	sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id
	ev_num_data_type (en_db_site, en_db_id, en_type_code)	en_db_site, en_db_id, en_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#235 as_hyp_ev_num_data**Description: Asset Hypothetical Event Numeric Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_hyp_db_site		INTEGER NOT NULL
as_hyp_db_id		INTEGER NOT NULL
as_hyp_event_id		INTEGER NOT NULL
en_db_site		INTEGER NOT NULL
en_db_id		INTEGER NOT NULL
en_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	as_hyp_event (as_hyp_db_site, as_hyp_db_id, as_hyp_event_id)	as_hyp_db_site, as_hyp_db_id, as_hyp_event_id
	ev_num_data_type (en_db_site, en_db_id, en_type_code)	en_db_site, en_db_id, en_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#266 sg_typ_hyp_ev_func**Description: Segment Type Hypothetical Events Linked to Functions Affected**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sgt_hyp_db_site		INTEGER NOT NULL
sgt_hyp_db_id		INTEGER NOT NULL
sgt_hyp_event_id		INTEGER NOT NULL
db_site		INTEGER NOT NULL
db_id		INTEGER NOT NULL
sg_db_site		INTEGER NOT NULL
sg_db_id		INTEGER NOT NULL
sg_type_code		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
name		VARCHAR(254)
by_org_asite		INTEGER
by_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sg_typ_hyp_event (sgt_hyp_db_site, sgt_hyp_db_id, sgt_hyp_event_id)	sgt_hyp_db_site, sgt_hyp_db_id, sgt_hyp_event_id
	sg_type_function (db_site, db_id, sg_db_site, sg_db_id, sg_type_code, ordering_seq)	db_site, db_id, sg_db_site, sg_db_id, sg_type_code, ordering_seq
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#267 as_typ_hyp_ev_func**Description: Asset Type Hypothetical Events Linked to Functions Affected**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ast_hyp_db_site		INTEGER NOT NULL
ast_hyp_db_id		INTEGER NOT NULL
ast_hyp_event_id		INTEGER NOT NULL
db_site		INTEGER NOT NULL
db_id		INTEGER NOT NULL
as_db_site		INTEGER NOT NULL
as_db_id		INTEGER NOT NULL
as_type_code		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
name		VARCHAR(254)
by_org_asite		INTEGER
by_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	as_typ_hyp_event (ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id)	ast_hyp_db_site, ast_hyp_db_id, ast_hyp_event_id
	as_type_function (db_site, db_id, as_db_site, as_db_id, as_type_code, ordering_seq)	db_site, db_id, as_db_site, as_db_id, as_type_code, ordering_seq
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#269 model_hyp_ev_func**Description: Model Hypothetical Events Linked to Functions Affected**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
mod_hyp_db_site		INTEGER NOT NULL
mod_hyp_db_id		INTEGER NOT NULL
mod_hyp_event_id		INTEGER NOT NULL
db_site		INTEGER NOT NULL
db_id		INTEGER NOT NULL
mf_db_site		INTEGER NOT NULL
mf_db_id		INTEGER NOT NULL
mf_duns_code		INTEGER NOT NULL
model_number		VARCHAR(254) NOT NULL
revision_number		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
name		VARCHAR(254)
by_org_asite		INTEGER
by_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	model_hyp_event (mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id)	mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id
	model_function (db_site, db_id, 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
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#236 sg_hyp_ev_sg_func**Description: Segment Hypothetical Events Linked to Functions Affected**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_hyp_db_site		INTEGER NOT NULL
sg_hyp_db_id		INTEGER NOT NULL
sg_hyp_event_id		INTEGER NOT NULL
db_site		INTEGER NOT NULL
db_id		INTEGER NOT NULL
segment_site		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
name		VARCHAR(254)
by_org_asite		INTEGER
by_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sg_hyp_event (sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id)	sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id
	segment_function (db_site, db_id, segment_site, segment_id, ordering_seq)	db_site, db_id, segment_site, segment_id, ordering_seq
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#237 as_hyp_ev_as_func**Description: Asset Hypothetical Events Linked to Functions Affected**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_hyp_db_site		INTEGER NOT NULL
as_hyp_db_id		INTEGER NOT NULL
as_hyp_event_id		INTEGER NOT NULL
db_site		INTEGER NOT NULL
db_id		INTEGER NOT NULL
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
name		VARCHAR(254)
by_org_asite		INTEGER
by_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	as_hyp_event (as_hyp_db_site, as_hyp_db_id, as_hyp_event_id)	as_hyp_db_site, as_hyp_db_id, as_hyp_event_id
	asset_function (db_site, db_id, asset_site, asset_id, ordering_seq)	db_site, db_id, asset_org_site, asset_id, ordering_seq
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
sg_prop_db_id		INTEGER NOT NULL
sg_prop_event_id		INTEGER NOT NULL
segment_site		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
ev_db_site		INTEGER NOT NULL
ev_db_id		INTEGER NOT NULL
event_type_code		INTEGER NOT NULL
severity_rank	Severity level of proposed event	INTEGER
gmt_proposed	Timestamp when proposed as an event	CHAR(29)
pr_loc_hr_delta	Hours from GMT when proposed as an event	SMALLINT
pr_loc_min_delta	Minutes from GMT when proposed as an event	SMALLINT
by_org_asite	Agent who proposed event	INTEGER
by_agent_id	Agent who proposed event	INTEGER
likelihood_prob	Likelihood probability between 0 and 1	DOUBLE
est_gmt_start	Estimated GMT event started or will start	CHAR(29)
st_loc_hr_delta	Hours from GMT for local start time	SMALLINT
st_loc_min_delta	Minutes from GMT for local start time	SMALLINT
est_gmt_occur_end	Estimated GMT event ended or will end	CHAR(29)
end_loc_hr_delta	Hours from GMT for local end time	SMALLINT
end_loc_min_delta	Minutes from GMT for local end time	SMALLINT
ch_patt_db_site	Change Pattern Code	INTEGER
ch_patt_db_id	Change Pattern Code	INTEGER
ch_patt_type_code	Change Pattern Code	INTEGER
name	Description	VARCHAR(254)
gmt_audited	GMT proposed event audited	CHAR(29)
aud_loc_hr_delta	Hours from GMT for local audit time	SMALLINT
aud_loc_min_delta	Minutes from GMT for local audit time	SMALLINT
aud_quality_code	Audit Quality Code (proposed event, not inspected, good / confirmed, bad / incorrect, or under review)	INTEGER
aud_by_org_asite	Audited by Agent	INTEGER
aud_by_agent_id	Audited by Agent	INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<u>Primary Key</u>	<u>Column(s)</u>	
	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>
	site_database (db_site, db_id)	sg_prop_db_site, sg_prop_db_id
	segment (segment_site, segment_id)	segment_site, segment_id
	sg_as_event_type (ev_db_site, ev_db_id, event_type_code)	ev_db_site, ev_db_id, event_type_code
	severity_type (severity_rank)	severity_rank
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	change_patt_type (ch_patt_db_site, ch_patt_db_id, ch_patt_type_code)	ch_patt_db_site, ch_patt_db_id, ch_patt_type_code
	data_qual_type (dqual_type_code)	aud_quality_code
	agent (org_agent_site, agent_id)	aud_by_org_asite, aud_by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
as_prop_db_id		INTEGER NOT NULL
as_prop_event_id		INTEGER NOT NULL
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
ev_db_site		INTEGER NOT NULL
ev_db_id		INTEGER NOT NULL
event_type_code		INTEGER NOT NULL
severity_rank	Severity level of proposed event	INTEGER
gmt_proposed	Timestamp when proposed as an event	CHAR(29)
pr_loc_hr_delta	Hours from GMT when proposed as an event	SMALLINT
pr_loc_min_delta	Minutes from GMT when proposed as an event	SMALLINT
by_org_asite	Agent who proposed event	INTEGER
by_agent_id	Agent who proposed event	INTEGER
likelihood_prob	Likelihood probability between 0 and 1	DOUBLE
est_gmt_start	Estimated GMT event started or will start	CHAR(29)
st_loc_hr_delta	Hours from GMT for local start time	SMALLINT
st_loc_min_delta	Minutes from GMT for local start time	SMALLINT
est_gmt_occur_end	Estimated GMT event ended or will end	CHAR(29)
end_loc_hr_delta	Hours from GMT for local end time	SMALLINT
end_loc_min_delta	Minutes from GMT for local end time	SMALLINT
ch_patt_db_site	Change Pattern Code	INTEGER
ch_patt_db_id	Change Pattern Code	INTEGER
ch_patt_type_code	Change Pattern Code	INTEGER
name	Description	VARCHAR(254)
gmt_audited	GMT proposed event audited	CHAR(29)
aud_loc_hr_delta	Hours from GMT for local audit time	SMALLINT
aud_loc_min_delta	Minutes from GMT for local audit time	SMALLINT
aud_quality_code	Audit Quality Code (proposed event, not inspected, good / confirmed, bad / incorrect, or under review)	INTEGER
aud_by_org_asite	Audited by Agent	INTEGER
aud_by_agent_id	Audited by Agent	INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<u>Primary Key</u>	<u>Column(s)</u>	
	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>
	site_database (db_site, db_id)	as_prop_db_site, as_prop_db_id
	asset (asset_org_site, asset_id)	asset_org_site, asset_id
	sg_as_event_type (ev_db_site, ev_db_id, event_type_code)	ev_db_site, ev_db_id, event_type_code
	severity_type (severity_rank)	severity_rank
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	change_patt_type (ch_patt_db_site, ch_patt_db_id, ch_patt_type_code)	ch_patt_db_site, ch_patt_db_id, ch_patt_type_code
	data_qual_type (dqual_type_code)	aud_quality_code
	agent (org_agent_site, agent_id)	aud_by_org_asite, aud_by_agent_id
	agent (org_agent_site, agent_id)	aud_by_org_asite, aud_by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
sg_prop_db_id		INTEGER NOT NULL
sg_prop_event_id		INTEGER NOT NULL
caused_db_site		INTEGER NOT NULL
caused_db_id		INTEGER NOT NULL
caused_event_id		INTEGER NOT NULL
likelihood_prob	Likelihood probability between 0 and 1	DOUBLE
name	Description	VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sg_proposed_event (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id)	sg_prop_db_site, sg_prop_db_id, sg_prop_event_id
	sg_proposed_event (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id)	caused_db_site, caused_db_id, caused_event_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
as_prop_db_id		INTEGER NOT NULL
as_prop_event_id		INTEGER NOT NULL
caused_db_site		INTEGER NOT NULL
caused_db_id		INTEGER NOT NULL
caused_event_id		INTEGER NOT NULL
likelihood_prob	Likelihood probability between 0 and 1	DOUBLE
name	Description	VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	as_proposed_event (as_prop_db_site, as_prop_db_id, as_prop_event_id)	as_prop_db_site, as_prop_db_id, as_prop_event_id
	as_proposed_event (as_prop_db_site, as_prop_db_id, as_prop_event_id)	caused_db_site, caused_db_id, caused_event_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
sg_prop_db_id		INTEGER NOT NULL
sg_prop_event_id		INTEGER NOT NULL
en_db_site		INTEGER NOT NULL
en_db_id		INTEGER NOT NULL
en_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sg_proposed_event (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id)	sg_prop_db_site, sg_prop_db_id, sg_prop_event_id
	ev_num_data_type (en_db_site, en_db_id, en_type_code)	en_db_site, en_db_id, en_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#255 as_prop_ev_ndat**Description: Asset Proposed Event Numeric Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_prop_db_site		INTEGER NOT NULL
as_prop_db_id		INTEGER NOT NULL
as_prop_event_id		INTEGER NOT NULL
en_db_site		INTEGER NOT NULL
en_db_id		INTEGER NOT NULL
en_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	as_proposed_event (as_prop_db_site, as_prop_db_id, as_prop_event_id)	as_prop_db_site, as_prop_db_id, as_prop_event_id
	ev_num_data_type (en_db_site, en_db_id, en_type_code)	en_db_site, en_db_id, en_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
sg_prop_db_id		INTEGER NOT NULL
sg_prop_event_id		INTEGER NOT NULL
sg_hypev_db_site		INTEGER NOT NULL
sg_hypev_db_id		INTEGER NOT NULL
sg_hyp_event_id		INTEGER NOT NULL
name		VARCHAR(254)
by_org_asite		INTEGER
by_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sg_proposed_event (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id)	sg_prop_db_site, sg_prop_db_id, sg_prop_event_id
	sg_hyp_event (sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id)	sg_hypev_db_site, sg_hypev_db_id, sg_hyp_event_id
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#257 as_prop_ev_hyp_ev**Description: Proposed Asset Events Linked to Hypothetical Asset Events**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_prop_db_site		INTEGER NOT NULL
as_prop_db_id		INTEGER NOT NULL
as_prop_event_id		INTEGER NOT NULL
as_hypev_db_site		INTEGER NOT NULL
as_hypev_db_id		INTEGER NOT NULL
as_hyp_event_id		INTEGER NOT NULL
name		VARCHAR(254)
by_org_asite		INTEGER
by_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	as_proposed_event (as_prop_db_site, as_prop_db_id, as_prop_event_id)	as_prop_db_site, as_prop_db_id, as_prop_event_id
	as_hyp_event (as_hyp_db_site, as_hyp_db_id, as_hyp_event_id)	as_hypev_db_site, as_hypev_db_id, as_hyp_event_id
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
sg_prop_db_id		INTEGER NOT NULL
sg_prop_event_id		INTEGER NOT NULL
segment_site		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
ev_db_site		INTEGER NOT NULL
ev_db_id		INTEGER NOT NULL
event_type_code		INTEGER NOT NULL
gmt_event_start		CHAR(29) NOT NULL
name		VARCHAR(254)
by_org_asite		INTEGER
by_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sg_proposed_event (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id)	sg_prop_db_site, sg_prop_db_id, sg_prop_event_id
	segment_event (segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start)	segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#259 as_prop_ev_as_ev

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_prop_db_site		INTEGER NOT NULL
as_prop_db_id		INTEGER NOT NULL
as_prop_event_id		INTEGER NOT NULL
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
ev_db_site		INTEGER NOT NULL
ev_db_id		INTEGER NOT NULL
event_type_code		INTEGER NOT NULL
gmt_event_start		CHAR(29) NOT NULL
name		VARCHAR(254)
by_org_asite		INTEGER
by_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	as_proposed_event (as_prop_db_site, as_prop_db_id, as_prop_event_id)	as_prop_db_site, as_prop_db_id, as_prop_event_id
	asset_event (asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start)	asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#262 sg_prop_ev_sg_func**Description: Proposed Segment Events Linked to Functions Affected**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_prop_db_site		INTEGER NOT NULL
sg_prop_db_id		INTEGER NOT NULL
sg_prop_event_id		INTEGER NOT NULL
db_site		INTEGER NOT NULL
db_id		INTEGER NOT NULL
segment_site		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
name		VARCHAR(254)
by_org_asite		INTEGER
by_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sg_proposed_event (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id)	sg_prop_db_site, sg_prop_db_id, sg_prop_event_id
	segment_function (db_site, db_id, segment_site, segment_id, ordering_seq)	db_site, db_id, segment_site, segment_id, ordering_seq
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#263 as_prop_ev_sg_func**Description: Proposed Asset Events Linked to Functions Affected**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_prop_db_site		INTEGER NOT NULL
as_prop_db_id		INTEGER NOT NULL
as_prop_event_id		INTEGER NOT NULL
db_site		INTEGER NOT NULL
db_id		INTEGER NOT NULL
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
name		VARCHAR(254)
by_org_asite		INTEGER
by_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	as_proposed_event (as_prop_db_site, as_prop_db_id, as_prop_event_id)	as_prop_db_site, as_prop_db_id, as_prop_event_id
	asset_function (db_site, db_id, asset_site, asset_id, ordering_seq)	db_site, db_id, asset_org_site, asset_id, ordering_seq
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#296 sg_prop_ev_meas_ev

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_prop_db_site		INTEGER NOT NULL
sg_prop_db_id		INTEGER NOT NULL
sg_prop_event_id		INTEGER NOT NULL
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
name		VARCHAR(254)
by_org_asite		INTEGER
by_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sg_proposed_event (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id)	sg_prop_db_site, sg_prop_db_id, sg_prop_event_id
	meas_event (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#297 as_prop_ev_meas_ev

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_prop_db_site		INTEGER NOT NULL
as_prop_db_id		INTEGER NOT NULL
as_prop_event_id		INTEGER NOT NULL
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
name		VARCHAR(254)
by_org_asite		INTEGER
by_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	as_proposed_event (as_prop_db_site, as_prop_db_id, as_prop_event_id)	as_prop_db_site, as_prop_db_id, as_prop_event_id
	meas_event (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
ev_db_site		INTEGER NOT NULL
ev_db_id		INTEGER NOT NULL
event_type_code		INTEGER NOT NULL
gmt_event_start	Event start time (GMT)	CHAR(29) NOT NULL
gmt_event_stop	Event end time (GMT)	CHAR(29)
ev_loc_hr_delta	Event start/stop time local hour offset from GMT	SMALLINT
ev_loc_min_delta	Event strat/stop tim local minute offset from GMT	SMALLINT
gmt_stored	Time event record was stored in database (GMT)	CHAR(29)
st_loc_hr_delta	Stored time local hour offset from GMT	SMALLINT
st_loc_min_delta	Stored time local minute offset from GMT	SMALLINT
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	segment (segment_site, segment_id)	segment_site, segment_id
	sg_as_event_type (ev_db_site, ev_db_id, event_type_code)	ev_db_site, ev_db_id, event_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#43 asset_event

Description: Asset Event 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		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
ev_db_site		INTEGER NOT NULL
ev_db_id		INTEGER NOT NULL
event_type_code		INTEGER NOT NULL
gmt_event_start	Event start time (GMT)	CHAR(29) NOT NULL
gmt_event_stop	Event end time (GMT)	CHAR(29)
ev_loc_hr_delta	Event start/stop time local hour offset from GMT	SMALLINT
ev_loc_min_delta	Event start/stop time local minute offset from GMT	SMALLINT
gmt_stored	Time event stored in database (GMT)	CHAR(29)
st_loc_hr_delta	Store time local hour offset from GMT	SMALLINT
st_loc_min_delta	Store time local minute offset from GMT	SMALLINT
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	asset (asset_org_site, asset_id)	asset_org_site, asset_id
	sq_as_event_type (ev_db_site, ev_db_id, event_type_code)	ev_db_site, ev_db_id, event_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#152 segment_event_link

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
ev_db_site		INTEGER NOT NULL
ev_db_id		INTEGER NOT NULL
event_type_code		INTEGER NOT NULL
gmt_event_start		CHAR(29) NOT NULL
caused_sg_site		INTEGER NOT NULL
caused_sg_id		INTEGER NOT NULL
caused_ev_db_site		INTEGER NOT NULL
caused_ev_db_id		INTEGER NOT NULL
caused_ev_code		INTEGER NOT NULL
caused_gmt		CHAR(29) NOT NULL
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	segment_event (segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start)	segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start
	segment_event (segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start)	caused_sg_site, caused_sg_id, caused_ev_db_site, caused_ev_db_id, caused_ev_code, caused_gmt
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#153 asset_event_link**Description: Asset Event Cause / Effect Links in an Event Causal Network**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
ev_db_site		INTEGER NOT NULL
ev_db_id		INTEGER NOT NULL
event_type_code		INTEGER NOT NULL
gmt_event_start		CHAR(29) NOT NULL
caused_as_site		INTEGER NOT NULL
caused_as_id		INTEGER NOT NULL
caused_ev_db_site		INTEGER NOT NULL
caused_ev_db_id		INTEGER NOT NULL
caused_ev_code		INTEGER NOT NULL
caused_gmt		CHAR(29) NOT NULL
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	asset_event (asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start)	asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start
	asset_event (asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start)	caused_as_site, caused_as_id, caused_ev_db_site, caused_ev_db_id, caused_ev_code, caused_gmt
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#111 sg_event_num_data**Description: Segment Event Numeric Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
ev_db_site		INTEGER NOT NULL
ev_db_id		INTEGER NOT NULL
event_type_code		INTEGER NOT NULL
gmt_event_start		CHAR(29) NOT NULL
en_db_site		INTEGER NOT NULL
en_db_id		INTEGER NOT NULL
en_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	segment_event (segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start)	segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start
	ev_num_data_type (en_db_site, en_db_id, en_type_code)	en_db_site, en_db_id, en_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#113 as_event_num_data**Description: Asset Event Numeric Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
ev_db_site		INTEGER NOT NULL
ev_db_id		INTEGER NOT NULL
event_type_code		INTEGER NOT NULL
gmt_event_start		CHAR(29) NOT NULL
en_db_site		INTEGER NOT NULL
en_db_id		INTEGER NOT NULL
en_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	asset_event (asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start)	asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start
	ev_num_data_type (en_db_site, en_db_id, en_type_code)	en_db_site, en_db_id, en_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
ev_db_site		INTEGER NOT NULL
ev_db_id		INTEGER NOT NULL
event_type_code		INTEGER NOT NULL
gmt_event_start		CHAR(29) NOT NULL
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
name		VARCHAR(254)
by_org_asite		INTEGER
by_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	segment_event (segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start)	segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start
	meas_event (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#295 as_ev_meas_event

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
ev_db_site		INTEGER NOT NULL
ev_db_id		INTEGER NOT NULL
event_type_code		INTEGER NOT NULL
gmt_event_start		CHAR(29) NOT NULL
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
name		VARCHAR(254)
by_org_asite		INTEGER
by_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	asset_event (asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start)	asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start
	meas_event (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
ev_segment_id		INTEGER NOT NULL
ev_db_site		INTEGER NOT NULL
ev_db_id		INTEGER NOT NULL
event_type_code		INTEGER NOT NULL
gmt_event_start		CHAR(29) NOT NULL
fn_db_site		INTEGER NOT NULL
fn_db_id		INTEGER NOT NULL
fn_segment_site		INTEGER NOT NULL
fn_segment_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
name		VARCHAR(254)
by_org_asite		INTEGER
by_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	segment_event (segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start)	ev_segment_site, ev_segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start
	segment_function (db_site, db_id, segment_site, segment_id, ordering_seq)	fn_db_site, fn_db_id, fn_segment_site, fn_segment_id, ordering_seq
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#229 as_ev_as_func_link**Description: Asset Events Linked to Functions Affected**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
ev_db_site		INTEGER NOT NULL
ev_db_id		INTEGER NOT NULL
event_type_code		INTEGER NOT NULL
gmt_event_start		CHAR(29) NOT NULL
db_site		INTEGER NOT NULL
db_id		INTEGER NOT NULL
fc_as_org_site		INTEGER NOT NULL
fc_as_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
name		VARCHAR(254)
by_org_asite		INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	asset_event (asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start)	asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start
	asset_function (db_site, db_id, asset_site, asset_id, ordering_seq)	db_site, db_id, fc_as_org_site, fc_as_id, ordering_seq
	agent (org_agent_site, agent_id)	by_org_asite, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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Health and Estimated Life Assessment Tables

#127 segment_health

Description: Segment Health Assessment For Past / Present / Future

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
gmt_assessment	Assessment applies to this instant in time related to this segment	CHAR(29) NOT NULL
by_agent_site	Agent who made the assessment / "Doctor"	INTEGER NOT NULL
by_agent_id	Agent who made the assessment / Doctor	INTEGER NOT NULL
loc_hr_delta	Local hours from GMT for gmt_assessment	SMALLINT
loc_min_delta	Local minutes from GMT for gmt_assessment	SMALLINT
hgrade_type_code	Health Grade Code (required)	INTEGER 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	CHAR(29)
cr_loc_hr_delta	Hours from GMT for creation timestamp	SMALLINT
cr_loc_min_delta	Minutes from GMT for creation timestamp	SMALLINT
ch_patt_db_site	Change Pattern Code	INTEGER
ch_patt_db_id	Change Pattern Code	INTEGER
ch_patt_type_code	Change Pattern Code	INTEGER
gmt_audited	GMT proposed assessment audited	CHAR(29)
aud_loc_hr_delta	Hours from GMT for local audit time	SMALLINT
aud_loc_min_delta	Minutes from GMT for local audit time	SMALLINT
aud_quality_code	Audit Quality Code (health assessment not inspected, good / confirmed, bad / incorrect, or under review)	INTEGER
aud_by_org_asite	Audit Agent	INTEGER
aud_by_agent_id	Audit Agent	INTEGER
name	Description	VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	segment (segment_site, segment_id)	segment_site, segment_id
	agent (org_agent_site, agent_id)	by_agent_site, by_agent_id
	health_grade_type (hgrade_type_code)	hgrade_type_code
	change_patt_type (ch_patt_db_site, ch_patt_db_id, ch_patt_type_code)	ch_patt_db_site, ch_patt_db_id, ch_patt_type_code
	data_qual_type (dqual_type_code)	aud_quality_code
	agent (org_agent_site, agent_id)	aud_by_org_asite, aud_by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
gmt_assessment	Assessment applies to this instant in time related to this segment	CHAR(29) NOT NULL
by_agent_site	Agent who made the assessment / "Doctor"	INTEGER NOT NULL
by_agent_id	Agent who made the assessment / Doctor	INTEGER NOT NULL
loc_hr_delta	Local hours from GMT for gmt_assessment	SMALLINT
loc_min_delta	Local minutess from GMT for gmt_assessment	SMALLINT
hgrade_type_code	Health Grade Code (required)	INTEGER 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	CHAR(29)
cr_loc_hr_delta	Hours from GMT for creation timestamp	SMALLINT
cr_loc_min_delta	Minutes from GMT for creation timestamp	SMALLINT
ch_patt_db_site	Change Pattern Code	INTEGER
ch_patt_db_id	Change Pattern Code	INTEGER
ch_patt_type_code	Change Pattern Code	INTEGER
gmt_audited	GMT proposed assessment audited	CHAR(29)
aud_loc_hr_delta	Hours from GMT for local audit time	SMALLINT
aud_loc_min_delta	Minutes from GMT for local audit time	SMALLINT
aud_quality_code	Audit Quality Code (health assessment not inspected, good / confirmed, bad / incorrect, or under review)	INTEGER
aud_by_org_asite	Audit Agent	INTEGER
aud_by_agent_id	Audit Agent	INTEGER
name	Description	VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>

	asset (asset_org_site, asset_id)	asset_org_site, asset_id
	agent (org_agent_site, agent_id)	by_agent_site, by_agent_id
	health_grade_type (hgrade_type_code)	hgrade_type_code
	change_patt_type (ch_patt_db_site, ch_patt_db_id, ch_patt_type_code)	ch_patt_db_site, ch_patt_db_id, ch_patt_type_code
	data_qual_type (dqual_type_code)	aud_quality_code
	agent (org_agent_site, agent_id)	aud_by_org_asite, aud_by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
gmt_assessment	Remaining life assessment baseline timestamp from which to add estimated remaining useful life	CHAR(29) NOT NULL
by_agent_site	Agent who made the assessment / "Doctor"	INTEGER NOT NULL
by_agent_id	Agent who made the assessment / "Doctor"	INTEGER NOT NULL
loc_hr_delta	Local time hour offset from GMT	SMALLINT
loc_min_delta	Local time minute offset from GMT	SMALLINT
est_remaining_life	Estimated remaining life assuming no intervention	DOUBLE
erl_eu_db_site	Time units for est. remaining life	INTEGER
erl_eu_db_id	Time units for est. remaining life	INTEGER
erl_eu_type_code	Time units for est. remaining life	INTEGER
error_estimate	Error estimate (+/- X duration)	DOUBLE
err_eu_db_site	Time units for error estimate	INTEGER
err_eu_db_id	Time units for error estimate	INTEGER
err_eu_type_code	Time units for error estimate	INTEGER
likelihood_prob	Likelihood probability between 0 and 1 that assessment is accurate	DOUBLE
gmt_created	Life assessment created on timestamp	CHAR(29)
cr_loc_hr_delta	Hours from GMT for creation timestamp	SMALLINT
cr_loc_min_delta	Minutess from GMT for creation timestamp	SMALLINT
name	Description	VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	segment (segment_site, segment_id)	segment_site, segment_id
	agent (org_agent_site, agent_id)	by_agent_site, by_agent_id
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	erl_eu_db_site, erl_eu_db_id, erl_eu_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	err_eu_db_site, err_eu_db_id, err_eu_type_code

	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#147 as_remaining_life**Description: Asset Remaining Life Assessment For Past / Present / Future**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
gmt_assessment	Remaining life assessment baseline timestamp from which to add estimated remaining useful life	CHAR(29) NOT NULL
by_agent_site	Agent who made the assessment / "Doctor"	INTEGER NOT NULL
by_agent_id	Agent who made the assessment / "Doctor"	INTEGER NOT NULL
loc_hr_delta	Local time, hour offset from GMT	SMALLINT
loc_min_delta	Local time, minute offset from GMT	SMALLINT
est_remaining_life	Estimated remaining life assuming no intervention	DOUBLE
erl_eu_db_site	Time units for est. remaining life	INTEGER
erl_eu_db_id	Time units for est. remaining life	INTEGER
erl_eu_type_code	Time units for est. remaining life	INTEGER
error_estimate	Error estimate (+/- X duration)	DOUBLE
err_eu_db_site	Time units for error estimate	INTEGER
err_eu_db_id	Time units for error estimate	INTEGER
err_eu_type_code	Time units for error estimate	INTEGER
likelihood_prob	Likelihood probability between 0 and 1 that assessment is accurate	DOUBLE
gmt_created	Life assessment created on timestamp	CHAR(29)
cr_loc_hr_delta	Hours from GMT for creation timestamp	SMALLINT
cr_loc_min_delta	Minutess from GMT for creation timestamp	SMALLINT
name	Description	VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	asset (asset_org_site, asset_id)	asset_org_site, asset_id
	agent (org_agent_site, agent_id)	by_agent_site, by_agent_id
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	erl_eu_db_site, erl_eu_db_id, erl_eu_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	err_eu_db_site, err_eu_db_id, err_eu_type_code

	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#298 sg_health_sg_event

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
gmt_assessment		CHAR(29) NOT NULL
by_agent_site		INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
ev_sg_site		INTEGER NOT NULL
ev_sg_id		INTEGER NOT NULL
ev_db_site		INTEGER NOT NULL
ev_db_id		INTEGER NOT NULL
event_type_code		INTEGER NOT NULL
gmt_event_start		CHAR(29) NOT NULL
name	Description	VARCHAR(254)
assoc_by_org_asite		INTEGER
assoc_by_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	segment_health (segment_site, segment_id, gmt_assessment, by_agent_site, by_agent_id)	segment_site, segment_id, gmt_assessment, by_agent_site, by_agent_id
	segment_event (segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start)	ev_sg_site, ev_sg_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start
	agent (org_agent_site, agent_id)	assoc_by_org_asite, assoc_by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#299 as_health_as_event

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
gmt_assessment		CHAR(29) NOT NULL
by_agent_site		INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
ev_as_org_site		INTEGER NOT NULL
ev_as_id		INTEGER NOT NULL
ev_db_site		INTEGER NOT NULL
ev_db_id		INTEGER NOT NULL
event_type_code		INTEGER NOT NULL
gmt_event_start		CHAR(29) NOT NULL
name	Description	VARCHAR(254)
assoc_by_org_asite		INTEGER
assoc_by_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	asset_health (asset_org_site, asset_id, gmt_assessment, by_agent_site, by_agent_id)	asset_org_site, asset_id, gmt_assessment, by_agent_site, by_agent_id
	asset_event (asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start)	ev_as_org_site, ev_as_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start
	agent (org_agent_site, agent_id)	assoc_by_org_asite, assoc_by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#300 sg_health_sg_prop_ev

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
gmt_assessment		CHAR(29) NOT NULL
by_agent_site		INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
sg_prop_db_site		INTEGER NOT NULL
sg_prop_db_id		INTEGER NOT NULL
sg_prop_event_id		INTEGER NOT NULL
name	Description	VARCHAR(254)
assoc_by_org_asite		INTEGER
assoc_by_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	segment_health (segment_site, segment_id, gmt_assessment, by_agent_site, by_agent_id)	segment_site, segment_id, gmt_assessment, by_agent_site, by_agent_id
	sg_proposed_event (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id)	sg_prop_db_site, sg_prop_db_id, sg_prop_event_id
	agent (org_agent_site, agent_id)	assoc_by_org_asite, assoc_by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#301 as_health_as_prop_ev

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
gmt_assessment		CHAR(29) NOT NULL
by_agent_site		INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
as_prop_db_site		INTEGER NOT NULL
as_prop_db_id		INTEGER NOT NULL
as_prop_event_id		INTEGER NOT NULL
name	Description	VARCHAR(254)
assoc_by_org_asite		INTEGER
assoc_by_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	asset_health (asset_org_site, asset_id, gmt_assessment, by_agent_site, by_agent_id)	asset_org_site, asset_id, gmt_assessment, by_agent_site, by_agent_id
	as_proposed_event (as_prop_db_site, as_prop_db_id, as_prop_event_id)	as_prop_db_site, as_prop_db_id, as_prop_event_id
	agent (org_agent_site, agent_id)	assoc_by_org_asite, assoc_by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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Recommendation 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		INTEGER NOT NULL
sg_db_id		INTEGER NOT NULL
sg_type_code		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
loc_hr_delta	Local time, hour offset from GMT	SMALLINT
loc_min_delta	Local time, minute offset from GMT	SMALLINT
priority_type_code		INTEGER
name	Recommendation ID / Other Info.	VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	segment_type (sg_db_site, sg_db_id, sg_type_code)	sg_db_site, sg_db_id, sg_type_code
	agent (org_agent_site, agent_id)	by_agent_site, by_agent_id
	priority_type (priority_type_code)	priority_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#275 as_type_recomm

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_db_site		INTEGER NOT NULL
as_db_id		INTEGER NOT NULL
as_type_code		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
loc_hr_delta	Local time, hour offset from GMT	SMALLINT
loc_min_delta	Local time, minute offset from GMT	SMALLINT
priority_type_code		INTEGER
name	Recommendation ID / Other Info.	VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	asset_type (as_db_site, as_db_id, as_type_code)	as_db_site, as_db_id, as_type_code
	agent (org_agent_site, agent_id)	by_agent_site, by_agent_id
	priority_type (priority_type_code)	priority_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#276 model_recomm

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
mf_db_site		INTEGER NOT NULL
mf_db_id		INTEGER NOT NULL
mf_duns_code		INTEGER NOT NULL
model_number		VARCHAR(254) NOT NULL
revision_number		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
loc_hr_delta	Local time, hour offset from GMT	SMALLINT
loc_min_delta	Local time, minute offset from GMT	SMALLINT
priority_type_code		INTEGER
name	Recommendation ID / Other Info.	VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	model (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
	agent (org_agent_site, agent_id)	by_agent_site, by_agent_id
	priority_type (priority_type_code)	priority_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#184 sg_recommendation**Description: Segment Recommendation**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
loc_hr_delta	Local time, hour offset from GMT	SMALLINT
loc_min_delta	Local time, minute offset from GMT	SMALLINT
priority_type_code		INTEGER
name	Recommendation ID / Other Info.	VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	segment (segment_site, segment_id)	segment_site, segment_id
	agent (org_agent_site, agent_id)	by_agent_site, by_agent_id
	priority_type (priority_type_code)	priority_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#185 as_recommendation**Description: Asset Recommendation**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
loc_hr_delta	Local time, hour offset from GMT	SMALLINT
loc_min_delta	Local time, minute offset from GMT	SMALLINT
priority_type_code		INTEGER
name	Recommendation ID / Other Info.	VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	asset (asset_org_site, asset_id)	asset_org_site, asset_id
	agent (org_agent_site, agent_id)	by_agent_site, by_agent_id
	priority_type (priority_type_code)	priority_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#316 ol_recommendation**Description: Ordered List Recommendation**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ord_list_db_site		INTEGER NOT NULL
ord_list_db_id		INTEGER NOT NULL
ord_list_id		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
loc_hr_delta	Local time, hour offset from GMT	SMALLINT
loc_min_delta	Local time, minute offset from GMT	SMALLINT
priority_type_code		INTEGER
name	Recommendation ID / Other Info.	VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id)	ord_list_db_site, ord_list_db_id, ord_list_id
	agent (org_agent_site, agent_id)	by_agent_site, by_agent_id
	priority_type (priority_type_code)	priority_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#277 sg_type_rec_remark**Description: Segment Type Recommendation Remarks**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_db_site		INTEGER NOT NULL
sg_db_id		INTEGER NOT NULL
sg_type_code		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
remark_text		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sg_type_recomm (sg_db_site, sg_db_id, sg_type_code, gmt_recommendation, by_agent_site, by_agent_id)	sg_db_site, sg_db_id, sg_type_code, gmt_recommendation, by_agent_site, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
as_db_id		INTEGER NOT NULL
as_type_code		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
remark_text		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	as_type_recomm (as_db_site, as_db_id, as_type_code, gmt_recommendation, by_agent_site, by_agent_id)	as_db_site, as_db_id, as_type_code, gmt_recommendation, by_agent_site, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
mf_db_id		INTEGER NOT NULL
mf_duns_code		INTEGER NOT NULL
model_number		VARCHAR(254) NOT NULL
revision_number		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
remark_text		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	model_recomm (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
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (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		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
remark_text		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sg_recommendation (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id)	segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#131 as_rec_remark**Description: Asset Recommendation Remarks**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
remark_text		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	as_recommendation (asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id)	asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#322 ol_rec_remark**Description: Ordered List Recommendation Remarks**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
ord_list_db_site		INTEGER NOT NULL
ord_list_db_id		INTEGER NOT NULL
ord_list_id		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
remark_text		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	ol_recommendation (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
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#313 sg_type_rec_blob**Description: Binary Data Related to a Segment Type Recommendation**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_db_site		INTEGER NOT NULL
sg_db_id		INTEGER NOT NULL
sg_type_code		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
bd_db_site		INTEGER NOT NULL
bd_db_id		INTEGER NOT NULL
bd_type_code		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
name		VARCHAR(254)
assoc_file_name		VARCHAR(254)
image_data		LONGBINARY
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sg_type_recomm (sg_db_site, sg_db_id, sg_type_code, gmt_recommendation, by_agent_site, by_agent_id)	sg_db_site, sg_db_id, sg_type_code, gmt_recommendation, by_agent_site, by_agent_id
	blob_data_type (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#314 as_type_rec_blob**Description: Binary Data Related to an Asset Type Recommendation**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_db_site		INTEGER NOT NULL
as_db_id		INTEGER NOT NULL
as_type_code		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
bd_db_site		INTEGER NOT NULL
bd_db_id		INTEGER NOT NULL
bd_type_code		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
name		VARCHAR(254)
assoc_file_name		VARCHAR(254)
image_data		LONGBINARY
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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_db_site, bd_db_id, bd_type_code, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	as_type_recomm (as_db_site, as_db_id, as_type_code, gmt_recommendation, by_agent_site, by_agent_id)	as_db_site, as_db_id, as_type_code, gmt_recommendation, by_agent_site, by_agent_id
	blob_data_type (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#315 model_rec_blob**Description: Binary Data Related to a Model Recommendation**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
mf_db_site		INTEGER NOT NULL
mf_db_id		INTEGER NOT NULL
mf_duns_code		INTEGER NOT NULL
model_number		VARCHAR(254) NOT NULL
revision_number		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
bd_db_site		INTEGER NOT NULL
bd_db_id		INTEGER NOT NULL
bd_type_code		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
name		VARCHAR(254)
assoc_file_name		VARCHAR(254)
image_data		LONGBINARY
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	model_recomm (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
	blob_data_type (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#311 sg_rec_blob**Description: Binary Data Related to a Segment Recommendation**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
bd_db_site		INTEGER NOT NULL
bd_db_id		INTEGER NOT NULL
bd_type_code		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
name		VARCHAR(254)
assoc_file_name		VARCHAR(254)
image_data		LONGBINARY
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sg_recommendation (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id)	segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id
	blob_data_type (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#312 as_rec_blob**Description: Binary Data Related to an Asset Recommendation**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
bd_db_site		INTEGER NOT NULL
bd_db_id		INTEGER NOT NULL
bd_type_code		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
name		VARCHAR(254)
assoc_file_name		VARCHAR(254)
image_data		LONGBINARY
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	as_recommendation (asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id)	asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id
	blob_data_type (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#280 sg_type_rec_hyp_ev

Description: Hypothetical Segment Events Linked to Segment Type Recommendations

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
sg_db_site		INTEGER NOT NULL
sg_db_id		INTEGER NOT NULL
sg_type_code		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
sg_hyp_db_site		INTEGER NOT NULL
sg_hyp_db_id		INTEGER NOT NULL
sg_hyp_event_id		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sg_type_recomm (sg_db_site, sg_db_id, sg_type_code, gmt_recommendation, by_agent_site, by_agent_id)	sg_db_site, sg_db_id, sg_type_code, gmt_recommendation, by_agent_site, by_agent_id
	sg_hyp_event (sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id)	sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#281 as_type_rec_hyp_ev**Description: Hypothetical Asset Events Linked to Asset Type Recommendations**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
as_db_site		INTEGER NOT NULL
as_db_id		INTEGER NOT NULL
as_type_code		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
as_hyp_db_site		INTEGER NOT NULL
as_hyp_db_id		INTEGER NOT NULL
as_hyp_event_id		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	as_type_recomm (as_db_site, as_db_id, as_type_code, gmt_recommendation, by_agent_site, by_agent_id)	as_db_site, as_db_id, as_type_code, gmt_recommendation, by_agent_site, by_agent_id
	as_hyp_event (as_hyp_db_site, as_hyp_db_id, as_hyp_event_id)	as_hyp_db_site, as_hyp_db_id, as_hyp_event_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#282 model_rec_hyp_ev**Description: Hypothetical Model Events Linked To Model Recommendations**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
mf_db_site		INTEGER NOT NULL
mf_db_id		INTEGER NOT NULL
mf_duns_code		INTEGER NOT NULL
model_number		VARCHAR(254) NOT NULL
revision_number		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
mod_hyp_db_site		INTEGER NOT NULL
mod_hyp_db_id		INTEGER NOT NULL
mod_hyp_event_id		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	model_recomm (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
	model_hyp_event (mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id)	mod_hyp_db_site, mod_hyp_db_id, mod_hyp_event_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#270 sg_rec_sg_hyp_ev

Description: Hypothetical Service Segment Events Linked to Segment Recommendations

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
sg_hyp_db_site		INTEGER NOT NULL
sg_hyp_db_id		INTEGER NOT NULL
sg_hyp_event_id		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sg_recommendation (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id)	segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id
	sg_hyp_event (sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id)	sg_hyp_db_site, sg_hyp_db_id, sg_hyp_event_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#271 as_rec_as_hyp_ev**Description: Hypothetical Asset Events Linked to Asset Recommendations**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
as_hyp_db_site		INTEGER NOT NULL
as_hyp_db_id		INTEGER NOT NULL
as_hyp_event_id		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	as_recommendation (asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id)	asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id
	as_hyp_event (as_hyp_db_site, as_hyp_db_id, as_hyp_event_id)	as_hyp_db_site, as_hyp_db_id, as_hyp_event_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#272 sg_rec_sg_prop_ev

Description: Proposed Service Segment Events Linked to Segment Recommendations

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
sg_prop_db_site		INTEGER NOT NULL
sg_prop_db_id		INTEGER NOT NULL
sg_prop_event_id		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sg_recommendation (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id)	segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id
	sg_proposed_event (sg_prop_db_site, sg_prop_db_id, sg_prop_event_id)	sg_prop_db_site, sg_prop_db_id, sg_prop_event_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#273 as_rec_as_prop_ev**Description: Proposed Asset Events Linked to Asset Recommendations**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
as_prop_db_site		INTEGER NOT NULL
as_prop_db_id		INTEGER NOT NULL
as_prop_event_id		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	as_recommendation (asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id)	asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id
	as_proposed_event (as_prop_db_site, as_prop_db_id, as_prop_event_id)	as_prop_db_site, as_prop_db_id, as_prop_event_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#208 sg_rec_sg_event**Description: Actual Segment Events Linked to Segment Recommendations**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
ev_sg_site		INTEGER NOT NULL
ev_sg_id		INTEGER NOT NULL
ev_db_site		CHAR(29) NOT NULL
ev_db_id		INTEGER NOT NULL
event_type_code		INTEGER NOT NULL
gmt_event_start		CHAR(29) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sg_recommendation (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id)	segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id
	segment_event (segment_site, segment_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start)	ev_sg_site, ev_sg_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#209 as_rec_as_event**Description: Actual Asset Events Linked to Asset Recommendations**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
ev_as_org_site		INTEGER NOT NULL
ev_as_id		INTEGER NOT NULL
ev_db_site		CHAR(29) NOT NULL
ev_db_id		INTEGER NOT NULL
event_type_code		INTEGER NOT NULL
gmt_event_start		CHAR(29) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	as_recommendation (asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id)	asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id
	asset_event (asset_org_site, asset_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start)	ev_as_org_site, ev_as_id, ev_db_site, ev_db_id, event_type_code, gmt_event_start
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#302 sg_rec_sg_health**Description: Segment Health Assessment Linked to Segment Recommendations**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
hth_sg_site		INTEGER NOT NULL
hth_sg_id		INTEGER NOT NULL
hth_gmt_assess		CHAR(29) NOT NULL
hth_by_agent_site		INTEGER NOT NULL
hth_by_agent_id		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sg_recommendation (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id)	segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id
	segment_health (segment_site, segment_id, gmt_assessment, by_agent_site, by_agent_id)	hth_sg_site, hth_sg_id, hth_gmt_assess, hth_by_agent_site, hth_by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#303 as_rec_as_health**Description: Asset Health Assessment Linked to Asset Recommendations**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
hth_as_site		INTEGER NOT NULL
hth_as_id		INTEGER NOT NULL
hth_gmt_assess		CHAR(29) NOT NULL
hth_by_agent_site		INTEGER NOT NULL
hth_by_agent_id		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	as_recommendation (asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id)	asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id
	asset_health (asset_org_site, asset_id, gmt_assessment, by_agent_site, by_agent_id)	hth_as_site, hth_as_id, hth_gmt_assess, hth_by_agent_site, hth_by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#304 sg_rec_mevent**Description: Measurement Events Linked to Segment Recommendations**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	sg_recommendation (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id)	segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id
	meas_event (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#305 as_rec_mevent**Description: Proposed Asset Events Linked to Asset Recommendations**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site	Originator	INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
meas_loc_site		INTEGER NOT NULL
meas_loc_id		INTEGER NOT NULL
gmt_event		CHAR(29) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	as_recommendation (asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id)	asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id
	meas_event (meas_loc_site, meas_loc_id, gmt_event)	meas_loc_site, meas_loc_id, gmt_event
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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Work Management 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		INTEGER NOT NULL
sol_pack_db_id		INTEGER NOT NULL
sol_pack_id		INTEGER NOT NULL
sol_db_site		INTEGER NOT NULL
sol_db_id		INTEGER NOT NULL
sol_type_code		INTEGER NOT NULL
gmt_created		CHAR(29)
loc_hr_delta		SMALLINT
loc_min_delta		SMALLINT
priority_type_code		INTEGER
user_tag_ident	User alpha-numeric solution package number	VARCHAR(254) NOT NULL
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	sol_pack_db_site, sol_pack_db_id
	solution_pack_type (sol_db_site, sol_db_id, sol_type_code)	sol_db_site, sol_db_id, sol_type_code
	priority_type (priority_type_code)	priority_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#136 work_request**Description: Work Request**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_req_db_site		INTEGER NOT NULL
work_req_db_id		INTEGER NOT NULL
work_req_id		INTEGER NOT NULL
wm_type_db_site		INTEGER NOT NULL
wm_type_db_id		INTEGER NOT NULL
wm_type_code		INTEGER NOT NULL
gmt_created		CHAR(29)
loc_hr_delta		SMALLINT
loc_min_delta		SMALLINT
by_agent_site	Originator	INTEGER
by_agent_id		INTEGER
start_before_gmt	Request for action to begin before this time	CHAR(29)
end_before_gmt	Request for action to end before this time	CHAR(29)
start_after_gmt	Request for action to begin after this time	CHAR(29)
end_after_gmt	Request for action to end after this time	CHAR(29)
repeat_interval	Time interval to re-submit time-based actions	INTEGER
int_eu_db_site	Time interval eng unit reference	INTEGER
int_eu_db_id		INTEGER
int_eu_type_code		INTEGER
from_sy_agent_site	System the request generated from	INTEGER
from_sy_agent_id		INTEGER
to_agent_site		INTEGER
to_agent_id		INTEGER
priority_type_code		INTEGER
user_tag_ident	Work Request or Work Requested Number	VARCHAR(254) NOT NULL
abbrev	User-generated short description	VARCHAR(254)
name	User-generated full description	VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	site_database (db_site, db_id)	work_req_db_site, work_req_db_id

	work_manage_type (wm_type_db_site, wm_type_db_id, wm_type_code)	wm_type_db_site, wm_type_db_id, wm_type_code
	agent (org_agent_site, agent_id)	by_agent_site, by_agent_id
	eng_unit_type eu_db_site, eu_db_id, eu_type_code)	int_eu_db_site, int_eu_db_id, int_eu_type_code
	agent (org_agent_site, agent_id)	from_sy_agent_site, from_sy_agent_id
	agent (org_agent_site, agent_id)	to_agent_site, to_agent_id
	priority_type (priority_type_code)	priority_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#172 work_req_num_data**Description: Work Request Numeric Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_req_db_site		INTEGER NOT NULL
work_req_db_id		INTEGER NOT NULL
work_req_id		INTEGER NOT NULL
wn_db_site		INTEGER NOT NULL
wn_db_id		INTEGER NOT NULL
wn_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	work_request (work_req_db_site, work_req_db_id, work_req_id)	work_req_db_site, work_req_db_id, work_req_id
	work_num_data_type (wn_db_site, wn_db_id, wn_type_code)	wn_db_site, wn_db_id, wn_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#173 work_req_chr_data**Description: Work Request Character Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_req_db_site		INTEGER NOT NULL
work_req_db_id		INTEGER NOT NULL
work_req_id		INTEGER NOT NULL
wc_db_site		INTEGER NOT NULL
wc_db_id		INTEGER NOT NULL
wc_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	work_request (work_req_db_site, work_req_db_id, work_req_id)	work_req_db_site, work_req_db_id, work_req_id
	work_chr_data_type (wc_db_site, wc_db_id, wc_type_code)	wc_db_site, wc_db_id, wc_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#174 work_request_audit**Description: Work Request Audit**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_req_db_site		INTEGER NOT NULL
work_req_db_id		INTEGER NOT NULL
work_req_id		INTEGER NOT NULL
waudit_db_site		INTEGER NOT NULL
waudit_db_id		INTEGER NOT NULL
waudit_type_code		INTEGER NOT NULL
gmt_audit_posted		CHAR(29) NOT NULL
loc_hr_delta		SMALLINT
loc_min_delta		SMALLINT
by_agent_site	Agent who posted audit record	INTEGER
by_agent_id		INTEGER
from_sy_agent_site	System audit record generated from	INTEGER
from_sy_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	work_request (work_req_db_site, work_req_db_id, work_req_id)	work_req_db_site, work_req_db_id, work_req_id
	work_audit_type (waudit_db_site, waudit_db_id, waudit_type_code)	waudit_db_site, waudit_db_id, waudit_type_code
	agent (org_agent_site, agent_id)	by_agent_site, by_agent_id
	agent (org_agent_site, agent_id)	from_sy_agent_site, from_sy_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
work_req_db_id		INTEGER NOT NULL
work_req_id		INTEGER NOT NULL
sol_pack_db_site		INTEGER NOT NULL
sol_pack_db_id		INTEGER NOT NULL
sol_pack_id		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	work_request (work_req_db_site, work_req_db_id, work_req_id)	work_req_db_site, work_req_db_id, work_req_id
	solution_package (sol_pack_db_site, sol_pack_db_id, sol_pack_id)	sol_pack_db_site, sol_pack_db_id, sol_pack_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
work_req_db_id		INTEGER NOT NULL
work_req_id		INTEGER NOT NULL
segment_site		INTEGER NOT NULL
segment_site		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site		INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	work_request (work_req_db_site, work_req_db_id, work_req_id)	work_req_db_site, work_req_db_id, work_req_id
	sg_recommendation (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id)	segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#197 work_req_as_recomm**Description: Associated Asset Recommendations for a Work Request**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_req_db_site		INTEGER NOT NULL
work_req_db_id		INTEGER NOT NULL
work_req_id		INTEGER NOT NULL
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site		INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	work_request (work_req_db_site, work_req_db_id, work_req_id)	work_req_db_site, work_req_db_id, work_req_id
	as_recommendation (asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id)	asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#134 sg_req_for_work**Description: Request for Work for Segment**

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

abbrev	User-generated short work description	VARCHAR(254) NOT NULL
name	User-generated full work description	VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	segment (segment_site, segment_id)	segment_site, segment_id
	agent (org_agent_site, agent_id)	req_by_agent_site, req_by_agent_id
	work_manage_type (wm_type_db_site, wm_type_db_id, wm_type_code)	wm_type_db_site, wm_type_db_id, wm_type_code
	work_task_type (task_db_site, task_db_id, task_type_code)	task_db_site, task_db_id, task_type_code
	eng_unit_type eu_db_site, eu_db_id, eu_type_code)	int_eu_db_site, int_eu_db_id, int_eu_type_code
	agent (org_agent_site, agent_id)	from_sy_agent_site, from_sy_agent_id
	agent (org_agent_site, agent_id)	to_agent_site, to_agent_id
	priority_type (priority_type_code)	priority_type_code
	solution_package (sol_pack_db_site, sol_pack_db_id, sol_pack_id)	sol_pack_db_site, sol_pack_db_id, sol_pack_id
	sg_recommendation (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id)	rec_segment_site, rec_segment_id, rec_gmt_recomm, rec_by_agent_site, rec_by_agent_id
	work_request (work_req_db_site, work_req_db_id, work_req_id)	work_req_db_site, work_req_db_id, work_req_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (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		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
gmt_requested		CHAR(29) NOT NULL
req_by_agent_site		INTEGER NOT NULL
req_by_agent_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
req_loc_hr_delta		SMALLINT
req_loc_min_delta		SMALLINT
wm_type_db_site		INTEGER NOT NULL
wm_type_db_id		INTEGER NOT NULL
wm_type_code		INTEGER NOT NULL
task_db_site		INTEGER NOT NULL
task_db_id		INTEGER NOT NULL
task_type_code		INTEGER NOT NULL
start_before_gmt	Request for action to begin before this time	CHAR(29)
end_before_gmt	Request for action to end before this time	CHAR(29)
start_after_gmt	Request for action to begin after this time	CHAR(29)
end_after_gmt	Request for action to end after this time	CHAR(29)
repeat_interval	Time interval to re-submit time-based actions	INTEGER
int_eu_db_site	Time interval eng unit reference	INTEGER
int_eu_db_id		INTEGER
int_eu_type_code		INTEGER
from_sy_agent_site	System the request generated from	INTEGER
from_sy_agent_id		INTEGER
to_agent_site	Agent to receive the request for work	INTEGER
to_agent_id		INTEGER
priority_type_code	Priority	INTEGER
sol_pack_db_site	Associated solution package	INTEGER
sol_pack_db_id		INTEGER
sol_pack_id		INTEGER
rec_asset_org_site	Associated asset recommendation	INTEGER
rec_asset_id		INTEGER
rec_gmt_recomm		CHAR(29)
rec_by_agent_site		INTEGER
rec_by_agent_id		INTEGER
work_req_db_site	Associated Work Request in local or remote database	INTEGER
work_req_db_id		INTEGER
work_req_id		INTEGER

abbrev	User-generated short work description	VARCHAR(254) NOT NULL
name	User-generated full work description	VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	asset (asset_org_site, asset_id)	asset_org_site, asset_id
	agent (org_agent_site, agent_id)	req_by_agent_site, req_by_agent_id
	work_manage_type (wm_type_db_site, wm_type_db_id, wm_type_code)	wm_type_db_site, wm_type_db_id, wm_type_code
	work_task_type (task_db_site, task_db_id, task_type_code)	task_db_site, task_db_id, task_type_code
	eng_unit_type eu_db_site, eu_db_id, eu_type_code)	int_eu_db_site, int_eu_db_id, int_eu_type_code
	agent (org_agent_site, agent_id)	from_sy_agent_site, from_sy_agent_id
	agent (org_agent_site, agent_id)	to_agent_site, to_agent_id
	priority_type (priority_type_code)	priority_type_code
	solution_package (sol_pack_db_site, sol_pack_db_id, sol_pack_id)	sol_pack_db_site, sol_pack_db_id, sol_pack_id
	as_recommendation (asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id)	rec_asset_org_site, rec_asset_id, rec_gmt_recomm, rec_by_agent_site, rec_by_agent_id
	work_request (work_req_db_site, work_req_db_id, work_req_id)	work_req_db_site, work_req_db_id, work_req_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (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		INTEGER NOT NULL
ord_list_db_id		INTEGER NOT NULL
ord_list_id		INTEGER NOT NULL
gmt_requested		CHAR(29) NOT NULL
req_by_agent_site		INTEGER NOT NULL
req_by_agent_id		INTEGER NOT NULL
ordering_seq		INTEGER NOT NULL
req_loc_hr_delta		SMALLINT
req_loc_min_delta		SMALLINT
wm_type_db_site		INTEGER NOT NULL
wm_type_db_id		INTEGER NOT NULL
wm_type_code		INTEGER NOT NULL
task_db_site		INTEGER NOT NULL
task_db_id		INTEGER NOT NULL
task_type_code		INTEGER NOT NULL
start_before_gmt	Request for action to begin before this time	CHAR(29)
end_before_gmt	Request for action to end before this time	CHAR(29)
start_after_gmt	Request for action to begin after this time	CHAR(29)
end_after_gmt	Request for action to end after this time	CHAR(29)
repeat_interval	Time interval to re-submit time-based actions	INTEGER
int_eu_db_site	Time interval eng unit reference	INTEGER
int_eu_db_id		INTEGER
int_eu_type_code		INTEGER
from_sy_agent_site	System the request generated from	INTEGER
from_sy_agent_id		INTEGER
to_agent_site	Agent to receive the request for work	INTEGER
to_agent_id		INTEGER
priority_type_code	Priority	INTEGER
sol_pack_db_site	Associated solution package	INTEGER
sol_pack_db_id		INTEGER
sol_pack_id		INTEGER
rec_ord_db_site	Associated ordered list recommendation	INTEGER
rec_ord_db_id		INTEGER
rec_ord_list		INTEGER
rec_gmt_recomm		CHAR(29)
rec_by_agent_site		INTEGER
rec_by_agent_id		INTEGER
work_req_db_site	Associated Work Request in local or	INTEGER

	remote database	
work_req_db_id		INTEGER
work_req_id		INTEGER
abbrev	User-generated short work description	VARCHAR(254) NOT NULL
name	User-generated full work description	VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id)	ord_list_db_site, ord_list_db_id, ord_list_id
	agent (org_agent_site, agent_id)	req_by_agent_site, req_by_agent_id
	work_manage_type (wm_type_db_site, wm_type_db_id, wm_type_code)	wm_type_db_site, wm_type_db_id, wm_type_code
	work_task_type (task_db_site, task_db_id, task_type_code)	task_db_site, task_db_id, task_type_code
	eng_unit_type eu_db_site, eu_db_id, eu_type_code)	int_eu_db_site, int_eu_db_id, int_eu_type_code
	agent (org_agent_site, agent_id)	from_sy_agent_site, from_sy_agent_id
	agent (org_agent_site, agent_id)	to_agent_site, to_agent_id
	priority_type (priority_type_code)	priority_type_code
	solution_package (sol_pack_db_site, sol_pack_db_id, sol_pack_id)	sol_pack_db_site, sol_pack_db_id, sol_pack_id
	ol_recommendation (ord_list_db_site, ord_list_db_id, ord_list_id, gmt_recommendation, by_agent_site, by_agent_id)	rec_ord_list_site, rec_ord_list_db, rec_ord_list_id, rec_gmt_recomm, rec_by_agent_site, rec_by_agent_id
	work_request (work_req_db_site, work_req_db_id, work_req_id)	work_req_db_site, work_req_db_id, work_req_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#139 work_order**Description: Work Order**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_order_db_site		INTEGER NOT NULL
work_order_db_id		INTEGER NOT NULL
work_order_id		INTEGER NOT NULL
wm_type_db_site		INTEGER NOT NULL
wm_type_db_id		INTEGER NOT NULL
wm_type_code		INTEGER NOT NULL
gmt_created		CHAR(29)
loc_hr_delta		SMALLINT
loc_min_delta		SMALLINT
by_agent_site	Originator	INTEGER
by_agent_id		INTEGER
start_before_gmt	Request for action to begin before this time	CHAR(29)
end_before_gmt	Request for action to end before this time	CHAR(29)
start_after_gmt	Request for action to begin after this time	CHAR(29)
end_after_gmt	Request for action to end after this time	CHAR(29)
repeat_interval	Time interval to automatically have work re-submitted for time-based actions	INTEGER
int_eu_db_site	Time interval eng unit reference (hours, days, months, etc.)	INTEGER
int_eu_db_id		INTEGER
int_eu_type_code		INTEGER
from_sy_agent_site	System generated from	INTEGER
from_sy_agent_id		INTEGER
to_agent_site		INTEGER
to_agent_id		INTEGER
priority_type_code		INTEGER
user_tag_ident	User alpha-numeric work order number	VARCHAR(254) NOT NULL
abbrev	User-generated short description	VARCHAR(254)
name	User-generated full description	VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>

	site_database (db_site, db_id)	work_order_db_site, work_order_db_id
	work_manage_type (wm_type_db_site, wm_type_db_id, wm_type_code)	wm_type_db_site, wm_type_db_id, wm_type_code
	agent (org_agent_site, agent_id)	by_agent_site, by_agent_id
	eng_unit_type eu_db_site, eu_db_id, eu_type_code)	int_eu_db_site, int_eu_db_id, int_eu_type_code
	agent (org_agent_site, agent_id)	from_sy_agent_site, from_sy_agent_id
	agent (org_agent_site, agent_id)	to_agent_site, to_agent_id
	priority_type (priority_type_code)	priority_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
work_order_db_id		INTEGER NOT NULL
work_order_id		INTEGER NOT NULL
child_wo_db_site		INTEGER NOT NULL
child_wo_db_id		INTEGER NOT NULL
child_wo_id		INTEGER NOT NULL
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	work_order (work_order_db_site, work_order_db_id, work_order_id)	work_order_db_site, work_order_db_id, work_order_id
	work_order (work_order_db_site, work_order_db_id, work_order_id)	child_wo_db_site, child_wo_db_id, child_wo_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#175 work_order_num_data**Description: Work Order Numeric Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_order_db_site		INTEGER NOT NULL
work_order_db_id		INTEGER NOT NULL
work_order_id		INTEGER NOT NULL
wn_db_site		INTEGER NOT NULL
wn_db_id		INTEGER NOT NULL
wn_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	work_order (work_order_db_site, work_order_db_id, work_order_id)	work_order_db_site, work_order_db_id, work_order_id
	work_num_data_type (wn_db_site, wn_db_id, wn_type_code)	wn_db_site, wn_db_id, wn_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#176 work_order_chr_data**Description: Work Order Numeric Data**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_order_db_site		INTEGER NOT NULL
work_order_db_id		INTEGER NOT NULL
work_order_id		INTEGER NOT NULL
wc_db_site		INTEGER NOT NULL
wc_db_id		INTEGER NOT NULL
wc_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	work_order (work_order_db_site, work_order_db_id, work_order_id)	work_order_db_site, work_order_db_id, work_order_id
	work_chr_data_type (wc_db_site, wc_db_id, wc_type_code)	wc_db_site, wc_db_id, wc_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#177 work_order_audit**Description: Work Order Audit**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_order_db_site		INTEGER NOT NULL
work_order_db_id		INTEGER NOT NULL
work_order_id		INTEGER NOT NULL
waudit_db_site		INTEGER NOT NULL
waudit_db_id		INTEGER NOT NULL
waudit_type_code		INTEGER NOT NULL
gmt_audit_posted		CHAR(29) NOT NULL
loc_hr_delta		SMALLINT
loc_min_delta		SMALLINT
by_agent_site	Agent who posted audit record	INTEGER
by_agent_id		INTEGER
from_sy_agent_site	System audit record generated from	INTEGER
from_sy_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	work_order (work_order_db_site, work_order_db_id, work_order_id)	work_order_db_site, work_order_db_id, work_order_id
	work_audit_type (waudit_db_site, waudit_db_id, waudit_type_code)	waudit_db_site, waudit_db_id, waudit_type_code
	agent (org_agent_site, agent_id)	by_agent_site, by_agent_id
	agent (org_agent_site, agent_id)	from_sy_agent_site, from_sy_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#140 work_order_step**Description: Work Order Step**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_order_db_site		INTEGER NOT NULL
work_order_db_id		INTEGER NOT NULL
work_order_id		INTEGER NOT NULL
work_ord_step_seq		INTEGER NOT NULL
gmt_created		CHAR(29)
loc_hr_delta		SMALLINT
loc_min_delta		SMALLINT
by_agent_site	Originator	INTEGER
by_agent_id		INTEGER
sol_pack_db_site		INTEGER
sol_pack_db_id		INTEGER
sol_pack_id		INTEGER
start_before_gmt	Request for action to begin before this time	CHAR(29)
end_before_gmt	Request for action to end before this time	CHAR(29)
start_after_gmt	Request for action to begin after this time	CHAR(29)
end_after_gmt	Request for action to end after this time	CHAR(29)
from_sy_agent_site	System generated from	INTEGER
from_sy_agent_id		INTEGER
to_agent_site		INTEGER
to_agent_id		INTEGER
priority_type_code	0 = lowest, 10 = highest	INTEGER
user_tag_ident		VARCHAR(254) NOT NULL
abbrev	User-generated short description	VARCHAR(254)
name	User-generated full description	VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	work_order (work_order_db_site, work_order_db_id, work_order_id)	work_order_db_site, work_order_db_id, work_order_id
	agent (org_agent_site, agent_id)	by_agent_site, by_agent_id
	solution_package (sol_pack_db_site, sol_pack_db_id, sol_pack_id)	sol_pack_db_site, sol_pack_db_id, sol_pack_id
	agent (org_agent_site, agent_id)	from_sy_agent_site,

		from_sy_agent_id
	agent (org_agent_site, agent_id)	to_agent_site, to_agent_id
	priority_type (priority_type_code)	priority_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
work_order_db_id		INTEGER NOT NULL
work_order_id		INTEGER NOT NULL
work_ord_step_seq		INTEGER NOT NULL
wn_db_site		INTEGER NOT NULL
wn_db_id		INTEGER NOT NULL
wn_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		DOUBLE NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	work_order_step (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
	work_num_data_type (wn_db_site, wn_db_id, wn_type_code)	wn_db_site, wn_db_id, wn_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
work_order_db_id		INTEGER NOT NULL
work_order_id		INTEGER NOT NULL
work_ord_step_seq		INTEGER NOT NULL
wc_db_site		INTEGER NOT NULL
wc_db_id		INTEGER NOT NULL
wc_type_code		INTEGER NOT NULL
eu_db_site		INTEGER NOT NULL
eu_db_id		INTEGER NOT NULL
eu_type_code		INTEGER NOT NULL
data_value		VARCHAR(254) NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	work_order_step (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
	work_chr_data_type (wc_db_site, wc_db_id, wc_type_code)	wc_db_site, wc_db_id, wc_type_code
	eng_unit_type (eu_db_site, eu_db_id, eu_type_code)	eu_db_site, eu_db_id, eu_type_code
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#180 wo_step_audit**Description: Work Order Step Audit**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
work_order_db_site		INTEGER NOT NULL
work_order_db_id		INTEGER NOT NULL
work_order_id		INTEGER NOT NULL
work_ord_step_seq		INTEGER NOT NULL
waudit_db_site		INTEGER NOT NULL
waudit_db_id		INTEGER NOT NULL
waudit_type_code		INTEGER NOT NULL
gmt_audit_posted		CHAR(29) NOT NULL
loc_hr_delta		SMALLINT
loc_min_delta		SMALLINT
by_agent_site	Agent who posted audit record	INTEGER
by_agent_id		INTEGER
from_sy_agent_site	System audit record generated from	INTEGER
from_sy_agent_id		INTEGER
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	work_order_step (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
	work_audit_type (waudit_db_site, waudit_db_id, waudit_type_code)	waudit_db_site, waudit_db_id, waudit_type_code
	agent (org_agent_site, agent_id)	by_agent_site, by_agent_id
	agent (org_agent_site, agent_id)	from_sy_agent_site, from_sy_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
work_order_db_id		INTEGER NOT NULL
work_order_id		INTEGER NOT NULL
work_ord_step_seq		INTEGER NOT NULL
segment_site		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site		INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	work_order_step (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
	sg_recommendation (segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id)	segment_site, segment_id, gmt_recommendation, by_agent_site, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
work_order_db_id		INTEGER NOT NULL
work_order_id		INTEGER NOT NULL
work_ord_step_seq		INTEGER NOT NULL
asset_org_site		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
gmt_recommendation		CHAR(29) NOT NULL
by_agent_site		INTEGER NOT NULL
by_agent_id		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	work_order_step (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
	as_recommendation (asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id)	asset_org_site, asset_id, gmt_recommendation, by_agent_site, by_agent_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#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		INTEGER NOT NULL
work_order_db_id		INTEGER NOT NULL
work_order_id		INTEGER NOT NULL
work_ord_step_seq		INTEGER NOT NULL
work_req_db_site		INTEGER NOT NULL
work_req_db_id		INTEGER NOT NULL
work_req_id		INTEGER NOT NULL
name		VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	work_order_step (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
	work_request (work_req_db_site, work_req_db_id, work_req_id)	work_req_db_site, work_req_db_id, work_req_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#144 sg_completed_work**Description: Completed Work Tasks For Segments**

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
segment_site		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
task_db_site		INTEGER NOT NULL
task_db_id		INTEGER NOT NULL
task_type_code		INTEGER NOT NULL
gmt_completed	Actual completion time	CHAR(29) NOT NULL
cp_loc_hr_delta	Local completion time hours from GMT	SMALLINT
cp_loc_min_delta	Local completion time minutes from GMT	SMALLINT
gmt_started	Actual start time	CHAR(29)
st_loc_hr_delta	Local start time hours from GMT	SMALLINT
st_loc_min_delta	Local start time minutes from GMT	SMALLINT
by_agent_site	Agent accomplishing the work	INTEGER
by_agent_id		INTEGER
from_sy_agent_site	System generated from	INTEGER
from_sy_agent_id		INTEGER
priority_type_code	0 = lowest, 10 = highest	INTEGER
work_order_db_site	Associated Work Order Step	INTEGER
work_order_db_id		INTEGER
work_order_id		INTEGER
work_ord_step_seq		INTEGER
abbrev	User-generated short work description	VARCHAR(254) NOT NULL
name	User-generated full work description	VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	segment (segment_site, segment_id)	segment_site, segment_id
	work_task_type (task_db_site, task_db_id, task_type_code)	task_db_site, task_db_id, task_type_code
	agent (org_agent_site, agent_id)	by_agent_site, by_agent_id
	agent (org_agent_site, agent_id)	from_sy_agent_site, from_sy_agent_id
	priority_type (priority_type_code)	priority_type_code
	work_order_step (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
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (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		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
task_db_site		INTEGER NOT NULL
task_db_id		INTEGER NOT NULL
task_type_code		INTEGER NOT NULL
gmt_completed	Actual completion time	CHAR(29) NOT NULL
cp_loc_hr_delta	Local completion time hours from GMT	SMALLINT
cp_loc_min_delta	Local completion time minutes from GMT	SMALLINT
gmt_started	Actual start time	CHAR(29)
st_loc_hr_delta	Local start time hours from GMT	SMALLINT
st_loc_min_delta	Local start time minutes from GMT	SMALLINT
by_agent_site	Agent accomplishing the work	INTEGER
by_agent_id		INTEGER
from_sy_agent_site	System generated from	INTEGER
from_sy_agent_id		INTEGER
priority_type_code	0 = lowest, 10 = highest	INTEGER
work_order_db_site	Associated Work Order Step	INTEGER
work_order_db_id		INTEGER
work_order_id		INTEGER
work_ord_step_seq		INTEGER
abbrev	User-generated short work description	VARCHAR(254) NOT NULL
name	User-generated full work description	VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	asset (asset_org_site, asset_id)	asset_org_site, asset_id
	work_task_type (task_db_site, task_db_id, task_type_code)	task_db_site, task_db_id, task_type_code
	agent (org_agent_site, agent_id)	by_agent_site, by_agent_id
	agent (org_agent_site, agent_id)	from_sy_agent_site, from_sy_agent_id
	priority_type (priority_type_code)	priority_type_code
	work_order_step (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
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (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		INTEGER NOT NULL
ord_list_db_id		INTEGER NOT NULL
ord_list_id		INTEGER NOT NULL
task_db_site		INTEGER NOT NULL
task_db_id		INTEGER NOT NULL
task_type_code		INTEGER NOT NULL
gmt_completed	Actual completion time	CHAR(29) NOT NULL
cp_loc_hr_delta	Local completion time hours from GMT	SMALLINT
cp_loc_min_delta	Local completion time minutes from GMT	SMALLINT
gmt_started	Actual start time	CHAR(29)
st_loc_hr_delta	Local start time hours from GMT	SMALLINT
st_loc_min_delta	Local start time minutes from GMT	SMALLINT
by_agent_site	Agent accomplishing the work	INTEGER
by_agent_id		INTEGER
from_sy_agent_site	System generated from	INTEGER
from_sy_agent_id		INTEGER
priority_type_code	0 = lowest, 10 = highest	INTEGER
work_order_db_site	Associated Work Order Step	INTEGER
work_order_db_id		INTEGER
work_order_id		INTEGER
work_ord_step_seq		INTEGER
abbrev	User-generated short work description	VARCHAR(254) NOT NULL
name	User-generated full work description	VARCHAR(254)
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id)	ord_list_db_site, ord_list_db_id, ord_list_id
	work_task_type (task_db_site, task_db_id, task_type_code)	task_db_site, task_db_id, task_type_code
	agent (org_agent_site, agent_id)	by_agent_site, by_agent_id
	agent (org_agent_site, agent_id)	from_sy_agent_site, from_sy_agent_id
	priority_type (priority_type_code)	priority_type_code

	work_order_step (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
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (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		INTEGER NOT NULL
asset_id		INTEGER NOT NULL
sol_pack_db_site		INTEGER NOT NULL
sol_pack_db_id		INTEGER NOT NULL
sol_pack_id		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	asset (asset_org_site, asset_id)	asset_org_site, asset_id
	solution_package (sol_pack_db_site, sol_pack_db_id, sol_pack_id)	sol_pack_db_site, sol_pack_db_id, sol_pack_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
segment_id		INTEGER NOT NULL
sol_pack_db_site		INTEGER NOT NULL
sol_pack_db_id		INTEGER NOT NULL
sol_pack_id		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	segment (segment_site, segment_id)	segment_site, segment_id
	solution_package (sol_pack_db_site, sol_pack_db_id, sol_pack_id)	sol_pack_db_site, sol_pack_db_id, sol_pack_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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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		INTEGER NOT NULL
ord_list_db_id		INTEGER NOT NULL
ord_list_id		INTEGER NOT NULL
sol_pack_db_site		INTEGER NOT NULL
sol_pack_db_id		INTEGER NOT NULL
sol_pack_id		INTEGER NOT NULL
gmt_last_updated		CHAR(29) NOT NULL
last_upd_db_site		INTEGER NOT NULL
last_upd_db_id		INTEGER NOT NULL
rstat_type_code		SMALLINT NOT NULL
<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>
	ordered_list (ord_list_db_site, ord_list_db_id, ord_list_id)	ord_list_db_site, ord_list_db_id, ord_list_id
	solution_package (sol_pack_db_site, sol_pack_db_id, sol_pack_id)	sol_pack_db_site, sol_pack_db_id, sol_pack_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

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#149 work_req_ol_rfw (DELETED)

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#142 wo_step_sg_work (DELETED)

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#143 wo_step_as_work (DELETED)

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#193 work_request_tr (DELETED)

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#198 wo_step_ol_work (DELETED)

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#200 work_req_assoc (DELETED)

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#203 wo_step_sg_rfw

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#204 wo_step_as_rfw

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#205 wo_step_ol_rfw

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#137 work_req_sg_rfw (DELETED)

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#138 work_req_as_rfw (DELETED)

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#207 work_req_audit_tr (DELETED)

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#206 wo_step_sol_pack (DELETED)

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