

Common Relational Information Schema (CRIS) V2.2 Updates with MIMOSA Site Zero -- DB 2 Reference Entries

Revised: 13-Jan-2003

Revisions to All CRIS Tables

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

Data Type	Description
STRING(X)	Character string data of fixed length X
STRING(0:X)	Character string data of variable length, minimum 0 length, maximum X length
BASE64BINARY	Long variable-length binary data (picture files, abstract data, etc) When multiple floating point values are represented inside this data type, these floating point numbers are stored in the IEEE 754-1990 standard as 4-byte float values, low-order byte first.
SHORT	Short signed integer; 16 bits (-32,768 to 32,767)
INT	Long signed integer; 32 bits (-2147483648 to 2147483647)
DOUBLE	Floating point data; 64 bits
DATETIME(10:29)	<p>Date/time in the following ISO 8601 variable length character form: YYYY-MM-DDThh:mm:ss.fffffffff</p> <p>where:</p> <p>YYYY = four-digit year MM = two-digit month (01=January, etc.) DD = two-digit day of month (01 through 31) hh = two digits of hour (00 through 23) (am/pm NOT allowed) T = literal "T" character mm = two digits of minute (00 through 59) ss = two digits of second (00 through 59) fffffffff = represents a decimal fraction of a second to the billionth of a second</p> <p>Year, month, and day must be specified. Additional timestamp content should be provided, if known. Zeros will be assumed for the omitted values. Negative DATETIME(10:29) is not supported. All suffixes after the 29th character provided in the ISO 8601 specification, such as "Z" (representing Coordinated Universal Time (UTC)), are not necessary since the CRIS specification explicitly manages local offset hours and minutes as distinct columns associated with the UTC (referred to in the CRIS specification prefixed with "GMT") column.</p> <p>Note that the actual difference between the new DATETIME(10:29) data type and the CRIS V2.1 fixed-length CHAR(29) form is the separator between date and time information is now a literal "T" instead of a blank space, the separator for the billionths of seconds is now a dot (".") instead of a dash ("-"), and trailing items after the year-month-day fields may be omitted.</p>

The following columns present in all CRIS tables are now set to be nullable.

gmt_last_updated	DATETIME(10:29)
last_upd_db_site	INT
last_upd_db_id	INT
rstat_type_code	SHORT

New CRIS V2.2 Reference Tables With MIMOSA Site Zero Entries

#333

blob_content_type

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
blct_db_site		INT NOT NULL
blct_db_id		INT NOT NULL
blc_type_code		INT NOT NULL
name		STRING(0:254) NOT NULL
gmt_last_updated		DATETIME(10:29)
last_upd_db_site		INT
last_upd_db_id		INT
rstat_type_code		SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	blct_db_site, blct_db_id, blc_type_code	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	site_database (db_site, db_id)	blct_db_site, blct_db_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

MIMOSA Entries:

Photo (0,2,1)
 Photo, Thumbnail (0,2,2)
 Photo, Normal (0,2,3)
 Drawing (0,2,4)
 Drawing, Piping & Instrumentation (P&ID) Diagram (0,2,5)
 Training, Manual (0,2,6)
 Training, Manual, Installation (0,2,7)
 Training, Manual, Repair (0,2,8)
 Training, Manual, Purchasing (0,2,9)
 Training, Manual, Operations (0,2,10)
 Training, Manual, Condition Monitoring (0,2,11)
 Training, Manual, Health Analysis (0,2,12)
 Training, Video (0,2,13)
 Training, Video, Installation (0,2,14)
 Training, Video, Repair (0,2,15)
 Training, Video, Purchasing (0,2,16)
 Training, Video, Operations (0,2,17)
 Training, Video, Condition Monitoring (0,2,18)
 Training, Video, Health Analysis (0,2,19)
 Panel (0,2,20)
 Panel, Human-Machine Interface (HMI) Display (0,2,21)

New V2.2 Major Tables

#334

meas_loc_assoc (Measurement Location Association)

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
meas_loc_site		INT NOT NULL
meas_loc_id		INT NOT NULL
related_mloc_site		INT NOT NULL
related_mloc_id		INT NOT NULL
name		STRING(0:254)
gmt_last_updated		DATETIME(10:29)
last_upd_db_site		INT
last_upd_db_id		INT
rstat_type_code		SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	meas_loc_site, meas_loc_id, related_mloc_site, related_mloc_id	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	meas_location (meas_loc_site, meas_loc_id)	meas_loc_site, meas_loc_id
	meas_location (meas_loc_site, meas_loc_id)	related_mloc_site, related_mloc_id
	site_database (db_site, db_id)	last_upd_db_site, last_upd_db_id
	row_status_type (rstat_type_cod)	rstat_type_code

#335 work_req_blob_data

This table contains binary data (BLOB) attachments associated to work requests.

Description: Work Request Binary Data Attachments

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

MIMOSA Site Zero Reference Table Updates

#23 *eng_unit_type*

Modify entry 0,0,18 to change mult_fact_to_ref from 1000 to 0.001 which will make 1 kilogram = 0.001 metric tons.

Add entry 0,1,363 "Milliseconds" with mult_fact_to_ref = 1000.

#162 *blob_data_type*

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.

MIMOSA Entries: Uniform Resource Identifier (URI) (0,1,65)

Uniform Resource Identifier

To paraphrase the World Wide Web Consortium, Internet space is inhabited by many points of content. A URI (Uniform Resource Identifier; pronounced YEW-AHR-EYE) is the way you identify any of those points of content, whether it be a page of text, a video or sound clip, a still or animated image, or a program. The most common form of URI is the Web page address, which is a particular form or subset of URI called a Uniform Resource Locator ([Uniform Resource Locator](#)). A URI typically describes:

- ? The mechanism used to access the resource
- ? The specific computer that the resource is housed in
- ? The specific name of the resource (a file name) on the computer

For example, this URI:

`http://www.w3.org/Icons/WWW/w3c_main.gif`

identifies a file that can be accessed using the Web protocol application, [Hypertext Transfer Protocol](#), ("http://") that is housed on a computer named "www.w3.org" (which can be mapped to a unique Internet address). In the computer's directory structure, the file is located at "/Icons/WWW/w3c_main.gif." Character strings that identify [File Transfer Protocol](#) addresses and e-mail addresses are also URIs (and, like the HTTP address, are also the specific subset of URI called a URL).

Another kind of URI is the Uniform Resource Name ([Uniform Resource Name](#)). A URN is a form of URI that has "institutional persistence," which means that its exact location may change from time to time, but some agency will be able to find it.

The URI rules of [syntax](#), set forth in the Internet Engineering Task Force ([IETF](#)) Request for Comments 1630, apply for all Internet addresses. In Tim Berner-Lee's original working document, URI stood for Universal Resource Identifier.

Read more about it at:

- > The World Wide Web Consortium's [Introduction to HTML 4.0](#) includes a good introduction to URIs.
- > RFC 1630 describes [Universal Resource Identifiers in the WWW](#).
- > [Web Architecture: Generic Resources](#) describes some of the thoughts of Tim Berners-Lee about the URI.
- > [The Handle System](#) is another universal naming system under discussion by the World Wide Web Consortium.

#216

MIM_Support_Type

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.

Modified MIMOSA Entries: 1, "File", "Export File Support"
6, "Web", "Web XML Transaction Support"

Revisions to CRIS V2.1 Major Tables

#317

num_alarm_reg

Measurement Location Numeric Alarm Regions

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
<i>alarm_db_site</i>		INT NOT NULL
<i>alarm_db_id</i>		INT NOT NULL
<i>meas_loc_site</i>		INT NOT NULL
<i>meas_loc_id</i>		INT NOT NULL
<i>ordering_seq</i>		INT NOT NULL
<i>ml_db_site</i>	Optional location type which specifically applies this alarm for a particular category of measurement events which has this matching measurement location type	INT
<i>ml_db_id</i>	1439	INT
<i>ml_type_code</i>	1439	INT
<i>mc_db_site</i>	Optional calculated data method which specifically applies this alarm to a particular category of measurement events which has this matching calculated data method	INT
<i>mc_db_id</i>	1439	INT
<i>mc_type_code</i>	1439	INT
<i>al_db_site</i>		INT NOT NULL
<i>al_db_id</i>		INT NOT NULL
<i>al_type_code</i>		INT NOT NULL
<i>eu_db_site</i>		INT NOT NULL
<i>eu_db_id</i>		INT NOT NULL
<i>eu_type_code</i>		INT NOT NULL
<i>gmt_alarm_start</i>	Time alarm becomes effective (GMT)	DATETIME(10:29) NOT NULL
<i>st_loc_hr_delta</i>	Start time local hour offset from GMT	SHORT
<i>st_loc_min_delta</i>	Start time local minute offset from GMT	SHORT
<i>min_amplitude</i>		DOUBLE NOT NULL
<i>max_amplitude</i>		DOUBLE NOT NULL
<i>name</i>		STRING(0:254)
<i>gmt_last_updated</i>		DATETIME(10:29)
<i>last_upd_db_site</i>		INT
<i>last_upd_db_id</i>		INT
<i>rstat_type_code</i>		SHORT

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

#319

spa_alarm_reg*Signal-processed Amplitudes Alarm Regions*

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
<i>alarm_db_site</i>		<i>INT NOT NULL</i>
<i>alarm_db_id</i>		<i>INT NOT NULL</i>
<i>meas_loc_site</i>		<i>INT NOT NULL</i>
<i>meas_loc_id</i>		<i>INT NOT NULL</i>
<i>ordering_seq</i>		<i>INT NOT NULL</i>
<i>ml_db_site</i>	Optional location type which specifically applies this alarm for a particular category of measurement events which has this matching measurement location type	<i>INT</i>
<i>ml_db_id</i>	""	<i>INT</i>
<i>ml_type_code</i>	""	<i>INT</i>
<i>mc_db_site</i>	Optional calculated data method which specifically applies this alarm to a particular category of measurement events which has this matching calculated data method	<i>INT</i>
<i>mc_db_id</i>	""	<i>INT</i>
<i>mc_type_code</i>	""	<i>INT</i>
<i>al_db_site</i>		<i>INT NOT NULL</i>
<i>al_db_id</i>		<i>INT NOT NULL</i>
<i>al_type_code</i>		<i>INT NOT NULL</i>
<i>freq_or_order</i>		<i>STRING(1) NOT NULL</i>
<i>min_in_hz_or_ord</i>		<i>DOUBLE NOT NULL</i>
<i>max_in_hz_or_ord</i>		<i>DOUBLE NOT NULL</i>
<i>gmt_alarm_start</i>	<i>Time alarm becomes effective (GMT)</i>	<i>DATETIME(10:29) NOT NULL</i>
<i>st_loc_hr_delta</i>	<i>Time local hour offset from GMT</i>	<i>SHORT</i>
<i>st_loc_hr_delta</i>	<i>Time local minute offset from GMT</i>	<i>SHORT</i>

<i>eu_db_site</i>		INT NOT NULL
<i>eu_db_id</i>		INT NOT NULL
<i>eu_type_code</i>		INT NOT NULL
<i>pst_sc_db_site</i>		INT NOT NULL
<i>pst_sc_db_id</i>		INT NOT NULL
<i>pst_sc_type_code</i>		INT NOT NULL
<i>src_dt_db_site</i>		INT
<i>src_dt_db_id</i>		INT
<i>src_dt_type_code</i>		INT
<i>min_amplitude</i>		DOUBLE NOT NULL
<i>max_amplitude</i>		DOUBLE NOT NULL
<i>name</i>		STRING(0:254)
<i>gmt_last_updated</i>		DATETIME(10:29)
<i>last_upd_db_site</i>		INT
<i>last_upd_db_id</i>		INT
<i>rstat_type_code</i>		SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	<i>alarm_db_site, alarm_db_id, meas_loc_site, meas_loc_id, ordering_seq</i>	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	site_database (<i>db_site, db_id</i>)	<i>alarm_db_site, alarm_db_id</i>
	meas_location (<i>meas_loc_site, meas_loc_id</i>)	<i>meas_loc_site, meas_loc_id</i>
	meas_loc_type (<i>ml_db_site, ml_db_id, ml_type_code</i>)	<i>ml_db_site, ml_db_id, ml_type_code</i>
	mloc_calc_type (<i>mc_db_site, mc_db_id, mc_type_code</i>)	<i>mc_db_site, mc_db_id, mc_type_code</i>
	alarm_type (<i>al_db_site, al_db_id, al_type_code</i>)	<i>al_db_site, al_db_id, al_type_code</i>
	eng_unit_type (<i>eu_db_site, eu_db_id, eu_type_code</i>)	<i>eu_db_site, eu_db_id, eu_type_code</i>
	post_scaling_type (<i>pst_sc_db_site, pst_sc_db_id, pst_sc_type_code</i>)	<i>pst_sc_db_site, pst_sc_db_id, pst_sc_type_code</i>
	src_detect_type (<i>src_dt_db_site, src_dt_db_id, src_dt_type_code</i>)	<i>src_dt_db_site, src_dt_db_id, src_dt_type_code</i>
	site_database (<i>db_site, db_id</i>)	<i>last_upd_db_site, last_upd_db_id</i>
	row_status_type (<i>rstat_type_cod</i>)	<i>rstat_type_code</i>
<u>Check</u>	<u>Column</u>	<u>Value Range</u>
	<i>freq_or_order</i>	'F','O'

#310

mloc_test_alm_rg*Alarm Regions for Measurement Location Sample Test Numeric Results*

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
<i>alarm_db_site</i>		INT NOT NULL
<i>alarm_db_id</i>		INT NOT NULL

<i>meas_loc_site</i>		<i>INT NOT NULL</i>
<i>meas_loc_id</i>		<i>INT NOT NULL</i>
<i>ordering_seq</i>		<i>INT NOT NULL</i>
<i>ml_db_site</i>	Optional location type which specifically applies this alarm for a particular category of measurement events which has this matching measurement location type	<i>INT</i>
<i>ml_db_id</i>	""	<i>INT</i>
<i>ml_type_code</i>	""	<i>INT</i>
<i>mc_db_site</i>	Optional calculated data method which specifically applies this alarm to a particular category of measurement events which has this matching calculated data method	<i>INT</i>
<i>mc_db_id</i>	""	<i>INT</i>
<i>mc_type_code</i>	""	<i>INT</i>
<i>stt_db_site</i>		<i>INT NOT NULL</i>
<i>stt_db_id</i>		<i>INT NOT NULL</i>
<i>stt_code</i>		<i>INT NOT NULL</i>
<i>al_db_site</i>		<i>INT NOT NULL</i>
<i>al_db_id</i>		<i>INT NOT NULL</i>
<i>al_type_code</i>		<i>INT NOT NULL</i>
<i>strn_db_site</i>		<i>INT NOT NULL</i>
<i>strn_db_id</i>		<i>INT NOT NULL</i>
<i>str_num_type_code</i>		<i>INT NOT NULL</i>
<i>eu_db_site</i>		<i>INT NOT NULL</i>
<i>eu_db_id</i>		<i>INT NOT NULL</i>
<i>eu_type_code</i>		<i>INT NOT NULL</i>
<i>gmt_alarm_start</i>		<i>DATETIME(10:29) NOT NULL</i>
<i>st_loc_hr_delta</i>		<i>SHORT</i>
<i>st_loc_min_delta</i>		<i>SHORT</i>
<i>min_data_value</i>		<i>DOUBLE NOT NULL</i>
<i>max_data_value</i>		<i>DOUBLE NOT NULL</i>
<i>name</i>		<i>STRING(0:254)</i>
<i>gmt_last_updated</i>		<i>DATETIME(10:29)</i>
<i>last_upd_db_site</i>		<i>INT</i>
<i>last_upd_db_id</i>		<i>INT</i>
<i>rstat_type_code</i>		<i>SHORT</i>
<u><i>Primary Key</i></u>	<u><i>Column(s)</i></u>	
	<i>alarm_db_site, alarm_db_id, meas_loc_site, meas_loc_id, ordering_seq</i>	
<u><i>Foreign Keys</i></u>	<u><i>Foreign Table (Column(s))</i></u>	<u><i>Column(s)</i></u>
	<u>site_database</u> (<i>db_site, db_id</i>)	<i>alarm_db_site, alarm_db_id</i>
	<u>meas_location</u> (<i>meas_loc_site, meas_loc_id</i>)	<i>meas_loc_site, meas_loc_id</i>
	<u>meas_loc_type</u> (<i>ml_db_site, ml_db_id, ml_type_code</i>)	<i>ml_db_site, ml_db_id, ml_type_code</i>
	<u>mloc_calc_type</u> (<i>mc_db_site, mc_db_id, mc_type_code</i>)	<i>mc_db_site, mc_db_id, mc_type_code</i>

	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

#224 *sg_type_blob_data**Segment Type Binary Data Related To a Specific Database*

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
db_site		INT NOT NULL
db_id		INT NOT NULL
sg_db_site		INT NOT NULL
sg_db_id		INT NOT NULL
sg_type_code		INT NOT NULL
bd_db_site		INT NOT NULL
bd_db_id		INT NOT NULL
bd_type_code		INT NOT NULL
ordering_seq		INT NOT NULL
blct_db_site		INT NOT NULL
blct_db_id		INT NOT NULL
blc_type_code		INT NOT NULL
name		STRING(0:254)
assoc_file_name		STRING(0:254)
image_data		BASE64BINARY
gmt_last_updated		DATETIME(10:29)
last_upd_db_site		INT
last_upd_db_id		INT
rstat_type_code		SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	db_site, db_id, sg_db_site, sg_db_id, sg_type_code, bd_db_site, bd_db_id, bd_type_code, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	site_database (db_site, db_id)	db_site, db_id
	segment_type (sg_db_site, sg_db_id, sg_type_code)	sg_db_site, sg_db_id, sg_type_code
	blob_data_type (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	blob_content_type (blct_db_site,	blct_db_site, blct_db_id,

	blct_db_id, blct_type_code)	blct_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

#225 *as_type_blob_data*

Asset Type Binary Data Related To a Specific Database

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
db_site		INT NOT NULL
db_id		INT NOT NULL
as_db_site		INT NOT NULL
as_db_id		INT NOT NULL
as_type_code		INT NOT NULL
ordering_seq		INT NOT NULL
bd_db_site		INT NOT NULL
bd_db_id		INT NOT NULL
bd_type_code		INT NOT NULL
blct_db_site		INT NOT NULL
blct_db_id		INT NOT NULL
blc_type_code		INT NOT NULL
name		STRING(0:254)
assoc_file_name		STRING(0:254)
image_data		BASE64BINARY
gmt_last_updated		DATETIME(10:29)
last_upd_db_site		INT
last_upd_db_id		INT
rstat_type_code		SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	db_site, db_id, as_db_site, as_db_id, as_type_code, bd_db_site, bd_db_id, bd_type_code, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	site_database (db_site, db_id)	db_site, db_id
	asset_type (as_db_site, as_db_id, as_type_code)	as_db_site, as_db_id, as_type_code
	blob_data_type (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	blob_content_type (blct_db_site, blct_db_id, blct_type_code)	blct_db_site, blct_db_id, blct_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

#188 *segment_blob_data*

Segment Binary Data Related To a Specific Database

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
db_site		INT NOT NULL
db_id		INT NOT NULL
segment_site		INT NOT NULL
segment_id		INT NOT NULL
bd_db_site		INT NOT NULL
bd_db_id		INT NOT NULL
bd_type_code		INT NOT NULL
ordering_seq		INT NOT NULL
blct_db_site		INT NOT NULL
blct_db_id		INT NOT NULL
blc_type_code		INT NOT NULL
name		STRING(0:254)
assoc_file_name	In addition to blob	STRING(0:254)
image_data		BASE64BINARY
gmt_last_updated		DATETIME(10:29)
last_upd_db_site		INT
last_upd_db_id		INT
rstat_type_code		SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	db_site, db_id, segment_site, segment_id, bd_db_site, bd_db_id, bd_type_code, ordering_seq	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	site_database (db_site, db_id)	db_site, db_id
	segment (segment_site, segment_id)	segment_site, segment_id
	blob_data_type (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	blob_content_type (blct_db_site, blct_db_id, blct_type_code)	blct_db_site, blct_db_id, blct_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

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

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
db_site		INT NOT NULL
db_id		INT NOT NULL
mf_db_site		INT NOT NULL
mf_db_id		INT NOT NULL
mf_duns_code		INT NOT NULL
model_number		STRING(0:254) NOT NULL
revision_number		INT NOT NULL
bd_db_site		INT NOT NULL

<i>bd_db_id</i>		INT NOT NULL
<i>bd_type_code</i>		INT NOT NULL
<i>ordering_seq</i>		INT NOT NULL
<i>blct_db_site</i>		INT NOT NULL
<i>blct_db_id</i>		INT NOT NULL
<i>blc_type_code</i>		INT NOT NULL
<i>name</i>		STRING(0:254)
<i>assoc_file_name</i>		STRING(0:254)
<i>image_data</i>		BASE64BINARY
<i>gmt_last_updated</i>		DATETIME(10:29)
<i>last_upd_db_site</i>		INT
<i>last_upd_db_id</i>		INT
<i>rstat_type_code</i>		SHORT
<u>Primary Key</u>	<u>Column(s)</u>	
	<i>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</i>	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	site_database (<i>db_site, db_id</i>)	<i>db_site, db_id</i>
	model (<i>mf_db_site, mf_db_id, mf_type_code, model_number, revision_number</i>)	<i>mf_db_site, mf_db_id, mf_type_code, model_number, revision_number</i>
	blob_data_type (<i>bd_db_site, bd_db_id, bd_type_code</i>)	<i>bd_db_site, bd_db_id, bd_type_code</i>
	blob_content_type (<i>blct_db_site, blct_db_id, blc_type_code</i>)	<i>blct_db_site, blct_db_id, blc_type_code</i>
	site_database (<i>db_site, db_id</i>)	<i>last_upd_db_site, last_upd_db_id</i>
	row_status_type (<i>rstat_type_cod</i>)	<i>rstat_type_code</i>

#189 *asset_blob_data**Asset Binary Data Related To a Specific Database*

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
<i>db_site</i>		INT NOT NULL
<i>db_id</i>		INT NOT NULL
<i>asset_org_site</i>		INT NOT NULL
<i>asset_id</i>		INT NOT NULL
<i>bd_db_site</i>		INT NOT NULL
<i>bd_db_id</i>		INT NOT NULL
<i>bd_type_code</i>		INT NOT NULL
<i>ordering_seq</i>		INT NOT NULL
<i>blct_db_site</i>		INT NOT NULL
<i>blct_db_id</i>		INT NOT NULL
<i>blc_type_code</i>		INT NOT NULL
<i>name</i>		STRING(0:254)
<i>assoc_file_name</i>	<i>In addition to blob</i>	STRING(0:254)

<i>image_data</i>		<i>BASE64BINARY</i>
<i>gmt_last_updated</i>		<i>DATETIME(10:29)</i>
<i>last_upd_db_site</i>		<i>INT</i>
<i>last_upd_db_id</i>		<i>INT</i>
<i>rstat_type_code</i>		<i>SHORT</i>
<u>Primary Key</u>	<u>Column(s)</u>	
	<i>db_site, db_id, asset_org_site, asset_id, bd_db_site, bd_db_id, bd_type_code, ordering_seq</i>	
<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<i>site_database</i> (<i>db_site, db_id</i>)	<i>db_site, db_id</i>
	<i>asset</i> (<i>asset_org_site, asset_id</i>)	<i>asset_org_site, asset_id</i>
	<i>blob_data_type</i> (<i>bd_db_site, bd_db_id, bd_type_code</i>)	<i>bd_db_site, bd_db_id, bd_type_code</i>
	<i>blob_content_type</i> (<i>blct_db_site, blct_db_id, blct_type_code</i>)	<i>blct_db_site, blct_db_id, blct_type_code</i>
	<i>site_database</i> (<i>db_site, db_id</i>)	<i>last_upd_db_site, last_upd_db_id</i>
	<i>row_status_type</i> (<i>rstat_type_cod</i>)	<i>rstat_type_code</i>

#190 *olist_blob_data*

Description: Ordered List Binary Data Related To a Specific Database

<u>Column</u>	<u>Description</u>	<u>Size/Type</u>
<i>db_site</i>		<i>INT NOT NULL</i>
<i>db_id</i>		<i>INT NOT NULL</i>
<i>ord_list_db_site</i>		<i>INT NOT NULL</i>
<i>ord_list_db_id</i>		<i>INT NOT NULL</i>
<i>ord_list_id</i>		<i>INT NOT NULL</i>
<i>bd_db_site</i>		<i>INT NOT NULL</i>
<i>bd_db_id</i>		<i>INT NOT NULL</i>
<i>bd_type_code</i>		<i>INT NOT NULL</i>
<i>ordering_seq</i>		<i>INT NOT NULL</i>
<i>blct_db_site</i>		<i>INT NOT NULL</i>
<i>blct_db_id</i>		<i>INT NOT NULL</i>
<i>blc_type_code</i>		<i>INT NOT NULL</i>
<i>name</i>		<i>STRING(0:254)</i>
<i>assoc_file_name</i>		<i>STRING(0:254)</i>
<i>image_data</i>		<i>BASE64BINARY</i>
<i>gmt_last_updated</i>		<i>DATETIME(10:29)</i>
<i>last_upd_db_site</i>		<i>INT</i>
<i>last_upd_db_id</i>		<i>INT</i>
<i>rstat_type_code</i>		<i>SHORT</i>
<u>Primary Key</u>	<u>Column(s)</u>	
	<i>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</i>	

<u>Foreign Keys</u>	<u>Foreign Table (Column(s))</u>	<u>Column(s)</u>
	<u>site database</u> (db_site, db_id)	db_site, db_id
	<u>ordered list</u> (ord_list_db_site, ord_list_db_id, ord_id)	ord_list_db_site, ord_list_db_id, ord_list_id
	<u>blob data type</u> (bd_db_site, bd_db_id, bd_type_code)	bd_db_site, bd_db_id, bd_type_code
	<u>blob content type</u> (blct_db_site, blct_db_id, blct_type_code)	blct_db_site, blct_db_id, blct_type_code
	<u>site database</u> (db_site, db_id)	last_upd_db_site, last_upd_db_id
	<u>row status type</u> (rstat_type_cod)	rstat_type_code