



# **Open System Architecture for Enterprise Application Integration (OSA-EAI)**

**V3.2.1 Revisions from V.3.2.0**

**December 31, 2008**

## **CRIS Updates**

#585 Work_Item_Type	New entity left out of V3.2.0
#128 Work_Manage_Type	Added optional FK to Work_Item_Type
#108 Work_Task_Type	Added optional FK to Work_Manage_Type
#47 Meas_Location	Added a default optional eng_unit_type FK
#45 Asset_Owner	Added "gmt_last_updated" attribute (as documented in Word)
#312 As_Rec_Blob	Added "user_tag_ident" attribute
	Removed NOT NULL from image_data
#352 Segment_Geo_Position	Changed "duration" from int to double and make optional
	Changed dur_eu_db_site, dur_eu_db_id, and dur_eu_type_code to optional FK
#353 Asset_Geo_Position	Changed "duration" from int to double and make optional
	Changed dur_eu_db_site, dur_eu_db_id, and dur_eu_type_code to optional FK
#225 As_Type_Blob_Data	Removed NOT NULL from image_data
#314 As_Type_Rec_Blob	Removed NOT NULL from image_data
#189 Asset_Blob_Data	Removed NOT NULL from image_data
#165 Mevent_Blob_Data	Removed NOT NULL from image_data
#315 Model_Rec_Blob	Removed NOT NULL from image_data
#220 Model_blob_data	Removed NOT NULL from image_data
#190 Ord_list_Blob_Data	Removed NOT NULL from image_data
#188 Segment_Blob_Data	Removed NOT NULL from image_data
#311 Sg_Rec_Blob	Removed NOT NULL from image_data
#224 Sg_Type_Blob_Data	Removed NOT NULL from image_data
#313 Sg_Type_Rec_Blob	Removed NOT NULL from image_data
#208 Sg_Rec_Sg_Event	Corrected FK to segment_event
#209 As_Rec_As_Event	Corrected FK to asset_event
#298 Sg_Health_Sg_Event	Corrected FK to segment_event
#299 As_Health_As_Event	Corrected FK to asset_event

#384 Sg_Hyp_Ev_Log_Conn	Added attributes par_db_site, par_db_id, and par_set_id and correct FK to sg_hyp_ev_log_conn
#339 Sg_Prop_Ev_Log_Conn	Added attributes par_db_site, par_db_id, and par_set_id and correct FK to sg_prop_ev_log_conn
#472 Test	Corrected FK to meas_sample
#317 Num_Alarm_Reg	Added optional FK to meas_location
#136 Work_Request	Added optional FK to work_task_type
#139 Work_Order	Added optional FK to work_task_type
#503 Work_Step	Added optional FK to work_manage_type Added optional FK to work_task_type

### CRIS Reference Data Updates

Added entries:

```
<network_conn_type net_conn_type_db_site="0000000000000000" net_conn_type_db_id="0"
net_conn_type_code="2" user_tag_ident="Parent-Child" name="Parent-Child" gmt_last_updated="2008-12-
11T18:00:00.000000000" last_upd_db_site="0000000000000000" last_upd_db_id="0" rstat_type_code="1"/>
```

```
<network_conn_type net_conn_type_db_site="0000000000000000" net_conn_type_db_id="0"
net_conn_type_code="3" user_tag_ident="Input-Output" name="Input-Output" gmt_last_updated="2008-
12-11T18:00:00.000000000" last_upd_db_site="0000000000000000" last_upd_db_id="0"
rstat_type_code="1"/>
```

```
<work_item_type work_item_db_site="0000000000000000" work_item_db_id="0"
work_item_type_code="0" user_tag_ident="Undetermined" name="Undetermined"
gmt_last_updated="2008-12-31T18:00:00.000000000" last_upd_db_site="0000000000000000"
last_upd_db_id="0" rstat_type_code="1"/>
```

```
<work_item_type work_item_db_site="0000000000000000" work_item_db_id="0" work_item_type_code="1"
user_tag_ident="Request" name="Work Request" gmt_last_updated="2008-12-31T18:00:00.000000000"
last_upd_db_site="0000000000000000" last_upd_db_id="0" rstat_type_code="1"/>
```

```
<work_item_type work_item_db_site="0000000000000000" work_item_db_id="0" work_item_type_code="2"
user_tag_ident="Order" name="Work Order" gmt_last_updated="2008-12-31T18:00:00.000000000"
last_upd_db_site="0000000000000000" last_upd_db_id="0" rstat_type_code="1"/>
```

```
<work_item_type work_item_db_site="0000000000000000" work_item_db_id="0" work_item_type_code="3"
user_tag_ident="Step" name="Work Step" gmt_last_updated="2008-12-31T18:00:00.000000000"
last_upd_db_site="0000000000000000" last_upd_db_id="0" rstat_type_code="1"/>
```

```
<cris_instance database_version="3.2.1">
```

### Tech-XML Schemas Updates

V3-2-6001-01QuerySgHealth.xsd	Corrected
V3-2-6002-01QueryAsHealth.xsd	Corrected
V3-2-7007-02QuerySgForAs.xsd	Corrected

V3-2-8016-03QueryWR.xsd	Added parameters to allow users to query work based on its audit type
V3-2-8019-03QueryWO.xsd	Added parameters to allow users to query work based on its audit type
V3-2-8062-01QueryWorkStepForWO.xsd	Corrected
V3-2-1004-01QuerySgEventRelatedToMeasEvent.xsd	Corrected
V3-2-2004-01QuerySgEventRelatedToMeasEvent.xsd	Corrected
V3-2-3004-01QuerySgEventRelatedToMeasEvent.xsd	Corrected
V3-2-4004-01QuerySgEventRelatedToMeasEvent.xsd	Corrected
V3-2-6023-01CreateSgHealth.xsd	Added
V3-2-6024-01CreateAsHealth.xsd	Added
V3-2-6025-01CreateSgRemainingLife.xsd	Added
V3-2-6026-01CreateAsRemainingLife.xsd	Added
V3-2-8007-11CreateAsRFWandWR.xsd	<p>Added optional request_num_data, work_num_data_type, request_chr_data, work_chr_data_type, request_blob_data, blob_data_type</p> <p>Added optional work request character, numeric, and blob data to the results.</p>
V3-2-8008-11CreateSgRFWandWR.xsd	<p>Added optional request_num_data, work_num_data_type, request_chr_data, work_chr_data_type, request_blob_data, blob_data_type</p> <p>Added optional work request character, numeric, and blob data to the results.</p>
V3-2-8009-11CreateOLRFWandWR.xsd	<p>Added optional request_num_data, work_num_data_type, request_chr_data, work_chr_data_type, request_blob_data, blob_data_type</p> <p>Added optional work request character, numeric, and blob data to the results.</p>
V3-2-8055-01CreateAsRFWandWO.xsd	<p>Added optional request_num_data, work_num_data_type, request_chr_data, work_chr_data_type, request_blob_data, blob_data_type</p> <p>Added optional work order character, numeric, and blob data to the results.</p>

	Added optional work step character, numeric, and blob data to the results.
V3-2-8056-01CreateSgRFWandWO.xsd	<p>Added optional request_num_data, work_num_data_type, request_chr_data, work_chr_data_type, request_blob_data, blob_data_type</p> <p>Added optional work order character, numeric, and blob data to the results.</p> <p>Added optional work step character, numeric, and blob data to the results.</p>
V3-2-8057-01CreateOLRFWandWO.xsd	<p>Added optional request_num_data, work_num_data_type, request_chr_data, work_chr_data_type, request_blob_data, blob_data_type</p> <p>Added optional work order character, numeric, and blob data to the results.</p> <p>Added optional work step character, numeric, and blob data to the results.</p>
V3-2-8016-03QueryWR.xsd	Added optional work request blob data to the results.
V3-2-8040-01QueryWRForSg.xsd	Added optional work request blob data to the results.
V3-2-8041-01QueryWRForAs.xsd	Added optional work request blob data to the results.
V3-2-8042-01QueryWRForOL.xsd	Added optional work request blob data to the results.
V3-2-8019-03QueryWO.xsd	<p>Added optional work order blob data to the results.</p> <p>Added optional work step blob data to the results.</p>
V3-2-8043-01QueryWOFForSg.xsd	<p>Added optional work order blob data to the results.</p> <p>Added optional work step blob data to the results.</p>
V3-2-8044-01QueryWOFForAs.xsd	<p>Added optional work order blob data to the results.</p> <p>Added optional work step blob data to the results.</p>
V3-2-8045-01QueryWOFForOL.xsd	<p>Added optional work order blob data to the results.</p> <p>Added optional work step blob data to the results.</p>

<b>V3-2-8052-01QueryWOChildren.xsd</b>	Added optional work order blob data to the results.  Added optional work step blob data to the results.
<b>V3-2-8053-01QueryWOParents.xsd</b>	Added optional work order blob data to the results.  Added optional work step blob data to the results.
<b>V3-2-8060-01QueryWorkStep.xsd</b>	Added optional work step blob data to the results.
<b>V3-2-8062-01QueryWorkStepForWO.xsd</b>	Added optional work step blob data to the results.
<b>V3-2-3010-02QueryTest.xsd</b>	Added optional test_type FK attributes as a filter
<b>V3-2-3012-02QueryTestComponentData.xsd</b>	Added optional test FK attributes and test_type attributes as a filter  Added optional test row(s) on the return set
<b>V3-2-5005-02QueryAs.xsd</b>	A reference to asset_owner was added to the available asset information for query or create.
<b>V3-2-5010-02QueryAsChildren.xsd</b>	A reference to asset_owner was added to the available asset information for query or create.
<b>V3-2-5013-02QueryAsChildrenWithBlob.xsd</b>	A reference to asset_owner was added to the available asset information for query or create.
<b>V3-2-5016-02QueryAsParents.xsd</b>	A reference to asset_owner was added to the available asset information for query or create.
<b>V3-2-5032-02QueryAsInSg.xsd</b>	A reference to asset_owner was added to the available asset information for query or create.
<b>V3-2-5034-03QueryAsInSgWithBlob.xsd</b>	A reference to asset_owner was added to the available asset information for query or create.
<b>V3-2-5035-02QueryAsNotInSg.xsd</b>	A reference to asset_owner was added to the available asset information for query or create.
<b>V3-2-5039-01CreateAs.xsd</b>	A reference to asset_owner was added to the available asset information for query or create.

All Technology groups except for the 9000 series have a new method, "QueryEngineeringUnits", added to them.

Tech-XML-Services WSDL files updated.

### **Tech-CDE Updates**

Tech-CDE-Services WSDL file updated.

