

# **OSA-EAI Work-XML V3.0 Server**

## **Support Level 1 Interfaces**

**Revised: March 8, 2004**

### **For All *Tech*-XML Servers**

#### **Establish Connection**

V3-0-0003-*nn*Connect.xsd

(Allows clients to connect with a valid connection string and establish a session with the server. Returns to the client a session identifier and the technologies the server supports – such as REG-XML, WORK-XML, & TREND-XML)

#### **Establish Disconnection**

V3-0-0004-*nn*Disconnect.xsd

(Allows a client to disconnect from the server. Server will automatically perform this function if the client is not active for a server-defined timeout interval.)

## For Work-XML Servers, Read-only Access, Support Level 1

### Serve Work/Action Management Setup Info.

V3-0-8028- <i>nnQueryPriorityType.xsd</i>	(Returns priority types)
V3-0-8029- <i>nnQueryWorkManageType.xsd</i>	(Returns work management types)
V3-0-8030- <i>nnQueryWorkTaskType.xsd</i>	(Returns a work task type)
V3-0-8039- <i>nnQueryWorkAuditType.xsd</i>	(Returns work status audit types)
V3-0-8003- <i>nnQuerySolForAs.xsd</i>	(Returns solution packages (preplans) applicable to an Asset)
V3-0-8002- <i>nnQuerySolForSg.xsd</i>	(Returns solution packages (preplans) applicable to a Segment)

### Serve Agent Info.

V3-0-8027- <i>nnQueryAgent.xsd</i>	(Returns agents)
------------------------------------	------------------

### Serve Asset-specific Work/Action Management Information

V3-0-8011- <i>nnQueryAsRFW.xsd</i>	(Returns Requests for Work related to an Asset)
V3-0-8025- <i>nnQueryAsCompWork.xsd</i>	(Returns Asset completed work history)

### Serve Segment-specific Work/Action Management Information

V3-0-8010- <i>nnQuerySgRFW.xsd</i>	(Returns Requests for Work related to a Segment)
V3-0-8024- <i>nnQuerySgCompWork.xsd</i>	(Returns Segment completed work history)

### Serve General Work/Action Management Information

V3-0-8016- <i>nnQueryWR.xsd</i>	(Returns a Work Request)
V3-0-8023- <i>nnQueryWOStepforWR.xsd</i>	(Returns a Work Order Step for a Work Request)
V3-0-8021- <i>nnQueryWOStep.xsd</i>	(Returns a Work Order Step)
V3-0-8019- <i>nnQueryWO.xsd</i>	(Returns a Work Order)
V3-0-8017- <i>nnQueryWRAudit.xsd</i>	(Returns the status of a Work Request)
V3-0-8022- <i>nnQueryWOStepAudit.xsd</i>	(Returns the status of a Work Order Step)
V3-0-8020- <i>nnQueryWOAudit.xsd</i>	(Returns the status of a Work Order)

## **For Work-XML Servers, Write-only Access, Support Level 1**

### **Receive New Asset Request for Work and Generate New Work Request**

V3-0-8007-*nnCreateAsRFWandWR.xsd*

(Creates an Asset Request for Work (RFW) and a Work Request (WR) structure from a client-supplied RFW structure. The returned Work Request primary key will be utilized by the client to track the work submitted.)

### **Receive New Segment Request for Work and Generate a New Work Request**

V3-0-8009-*nnCreateSgRFWandWR.xsd*

(Creates Segment Request for Work (RFW) & Work Request (WR) from a submitted client RFW. The returned Work Request will be utilized by the client to track the work submitted.)

### **Receive New Binary Attachment to Work Request**

V3-0-8031-*nnCreateWRBlob.xsd*

(Creates a Binary attachment to a Work Request. This interface can be repeated, if the server supports multiple binary attachments. A server may or may not allow binary attachments.)

## For Work-XML Servers, Read/Write Access, Support Level 1

### Serve Work/Action Management Setup Info.

V3-0-8028- <i>nnQueryPriorityType.xsd</i>	(Returns priority types)
V3-0-8029- <i>nnQueryWorkManageType.xsd</i>	(Returns work management types)
V3-0-8030- <i>nnQueryWorkTaskType.xsd</i>	(Returns a work task type)
V3-0-8039- <i>nnQueryWorkAuditType.xsd</i>	(Returns work status audit types)
V3-0-8003- <i>nnQuerySolForAs.xsd</i>	(Returns solution packages (preplans) applicable to an Asset)
V3-0-8002- <i>nnQuerySolForSg.xsd</i>	(Returns solution packages (preplans) applicable to a Segment)

### Serve Agent Info.

V3-0-8027- <i>nnQueryAgent.xsd</i>	(Returns agents)
------------------------------------	------------------

### Serve Asset-specific Work/Action Management Information

V3-0-8011- <i>nnQueryAsRFW.xsd</i>	(Returns Requests for Work related to an Asset)
V3-0-8025- <i>nnQueryAsCompWork.xsd</i>	(Returns Asset completed work history)

### Serve Segment-specific Work/Action Management Information

V3-0-8010- <i>nnQuerySgRFW.xsd</i>	(Returns Requests for Work related to a Segment)
V3-0-8024- <i>nnQuerySgCompWork.xsd</i>	(Returns Segment completed work history)

### Serve General Work/Action Management Information

V3-0-8016- <i>nnQueryWR.xsd</i>	(Returns a Work Request)
V3-0-8023- <i>nnQueryWOStepforWR.xsd</i>	(Returns a Work Order Step for a Work Request)
V3-0-8021- <i>nnQueryWOStep.xsd</i>	(Returns a Work Order Step)
V3-0-8019- <i>nnQueryWO.xsd</i>	(Returns a Work Order)
V3-0-8017- <i>nnQueryWRAudit.xsd</i>	(Returns the status of a Work Request)
V3-0-8022- <i>nnQueryWOStepAudit.xsd</i>	(Returns the status of a Work Order Step)
V3-0-8020- <i>nnQueryWOAudit.xsd</i>	(Returns the status of a Work Order)

**Receive New Asset Request for Work and Generate New Work Request**V3-0-8007-*nnCreateAsRFWandWR.xsd*

(Creates an Asset Request for Work (RFW) and a Work Request (WR) structure from a client-supplied RFW structure. The returned Work Request primary key will be utilized by the client to track the work submitted.)

**Receive New Segment Request for Work and Generate a New Work Request**V3-0-8009-*nnCreateSgRFWandWR.xsd*

(Creates Segment Request for Work (RFW) & Work Request (WR) from a submitted client RFW. The returned Work Request will be utilized by the client to track the work submitted.)

**Receive New Binary Attachment to Work Request**V3-0-8031-*nnCreateWRBlob.xsd*

(Creates a Binary attachment to a Work Request. This interface can be repeated, if the server supports multiple binary attachments. A server may or may not allow binary attachments.

## CRIS Entities Reference List

### Work-XML Server, Read/Write Access, Support Level 1

Main Tables (28)    \* referenced

\*Enterprise  
 \*Site  
 \*Site\_Database  
 DB\_MIM\_Interface  
 \*Segment  
 \*Asset  
 Solution\_Package  
 Request  
 As\_Req\_For\_Work  
 Sg\_Req\_For\_Work  
 Work\_Request  
 Work\_Req\_Blob\_Data  
 Work\_Request\_Audit  
 Agent  
 As\_Recommendation  
 Sg\_Recommendation  
 As\_Rec\_Remark  
 Sg\_Rec\_Remark  
 As\_Rec\_As\_Event  
 Sg\_Rec\_Sg\_Event  
 Asset\_Event  
 Segment\_Event  
 Work\_Order  
 Work\_Order\_Audit  
 Work\_Order\_Step  
 Work\_Order\_Step\_Audit  
 Sg\_Completed\_Work  
 As\_Completed\_Work

Type Tables (18)

Priority\_Type  
 Solution\_Pack\_Type  
 Agent\_Type  
 Work\_Manage\_Type  
 Work\_Task\_Type  
 Blob\_Data\_Type  
 Blob\_Content\_Type  
 Eng\_Unit\_Type (if supported)  
 Eng\_Unit\_Enum (if supported)  
 Ref\_Unit\_Type (provided by MIMOSA)  
 Work\_Audit\_Type  
 MIM\_Interface\_Type (provided by MIMOSA)  
 MIM\_Data\_Cat\_Type (provided by MIMOSA)  
 MIM\_Support\_Type (provided by MIMOSA)  
 MIM\_Func\_Type (provided by MIMOSA)  
 MIM\_Tech\_Type (provided by MIMOSA)  
 MIM\_Access\_Type (provided by MIMOSA)  
 Row\_Status\_Type (provided by MIMOSA)

