



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

**Registry Compliance Requirements of All  
Producer/Export/Server Applications**

**Version 3.0 Specification**

**August 11, 2004**

## **Registry Compliance Requirements of OSA-EAI Version 3.0 *Tech-Doc Producer, Tech-File Export, Tech-XML Server, and Tech-Web Server Applications***

### **All Producer/Server/Export Software**

To be MIMOSA-compliant, an application which supports one or more OSA-EAI producer, export, or server interfaces from the *Tech-Doc*, *Tech-File*, *Tech-XML*, or *Tech-Web* series must provide the end-user, often an IT integrator, with the ability to supply and maintain the following registry information related to the registry entities in the software's database. The software supplier may provide an external software utility to perform this function. The mandatory fields the end-user must have the ability to assign/modify directly are:

#### **Enterprise**

- Enterprise ID (unsigned 4-byte integer)
- Enterprise Type (4 unsigned 4-byte integers *n.n.n.n*)
- Enterprise User Tag Identifier (character string from 1-254 characters in length)

#### **Site**

- Site Enterprise ID (unsigned 4-byte integer)
- Site ID (unsigned 4-byte integer)
- Site Type (4 unsigned 4-byte integers *n.n.n.n*)
- Site User Tag Identifier (character string from 1-254 characters in length)
- Site Template? (boolean)

#### **Database**

- Database Enterprise ID (unsigned 4-byte integer)
- Database Site ID (unsigned 4-byte integer)
- Database ID (unsigned 4-byte integer)
- Database User Tag Identifier (character string from 1-254 characters in length)

#### **Agent**

- Agent Enterprise ID (unsigned 4-byte integer)
- Agent Site ID (unsigned 4-byte integer)
- Agent ID (unsigned 4-byte integer)
- Agent Type (4 unsigned 4-byte integers *n.n.n.n*)
- Agent User Tag Identifier (character string from 1-254 characters in length)

If an end-user has not previously generated Site ID's for an Enterprise, the software may prompt the end-user for an enterprise-unique range of Site ID's that the software must utilize when auto-assigning Site ID's to existing or future sites in an Enterprise.

If an end-user has not previously generated Database ID's for a Site, the software may prompt the end-user for a site-unique range of Database ID's that the software must utilize when auto-assigning Database ID's to existing or future databases at a Site.

If an end-user has not previously generated Agent ID's at an originating Site, the software may prompt the end-user for a site-unique range of Agent ID's that the software must utilize when auto-assigning Agent ID's to existing or future agents at an originating Site.

#### **All Segment-Oriented Server/Export Software**

To be MIMOSA-compliant, an application which supports one or more OSA-EAI producer, export, or server interfaces which includes **segments** from the *Tech-Doc*, *Tech-File*, *Tech-XML*, or *Tech-Web* series must provide the end-user with the ability to supply and maintain the following segment information related to the segment entities in the software's database. The software supplier may provide an external software utility to perform this function. The mandatory fields the end-user must have the ability to assign/modify directly are:

##### **Segment**

- Segment Enterprise ID (unsigned 4-byte integer)
- Segment Site ID (unsigned 4-byte integer)
- Segment ID (unsigned 4-byte integer)
- Segment Type (4 unsigned 4-byte integers *n.n.n.n*)
- Segment User Tag Identifier (character string from 1-254 characters in length)

If an end-user has not previously generated Segment ID's at a Site, the software may prompt the end-user for a site-unique range of Segment ID's that the software must utilize when auto-assigning Segment ID's to existing or future segments at a Site.

#### **All Asset-Oriented Server/Export Software**

To be MIMOSA-compliant, an application which supports one or more OSA-EAI producer, export, or server interfaces which includes **assets** from the *Tech-Doc*, *Tech-File*, *Tech-XML*, or *Tech-Web* series must provide the end-user with the ability to supply and maintain the following asset information related to the asset entities in the software's database. The software supplier may provide an external software utility to perform this function. The mandatory fields the end-user must have the ability to assign/modify directly are:

##### **Asset**

- Asset Originating Enterprise ID (unsigned 4-byte integer)
- Asset Originating Site ID (unsigned 4-byte integer)
- Asset ID (unsigned 4-byte integer)
- Asset Type (4 unsigned 4-byte integers *n.n.n.n*)
- Asset User Tag Identifier (character string from 1-254 characters in length)

If an end-user has not previously generated Asset ID's at an originating Site, the software may prompt the end-user for a site-unique range of Asset ID's that the software must utilize when auto-assigning Asset ID's to existing or future assets at an originating Site.

### **All Measurement Location-Oriented Server/Export Software**

To be MIMOSA-compliant, an application which supports one or more OSA-EAI producer, export, or server interfaces which includes **measurement locations** from the *Tech-Doc*, *Tech-File*, *Tech-XML*, or *Tech-Web* series must provide the end-user with the ability to supply and maintain the following measurement location information related to the measurement location entities in the software's database. The software supplier may provide an external software utility to perform this function. The mandatory fields the end-user must have the ability to assign/modify directly are:

#### **Measurement Location**

Measurement Location Enterprise ID (unsigned 4-byte integer)

Measurement Location Site ID (unsigned 4-byte integer)

Measurement Location ID (unsigned 4-byte integer)

Measurement Location Type (4 unsigned 4-byte integers *n.n.n.n*)

Measurement Location User Tag Identifier (character string from 1-254 characters in length)

Connected to a Segment or Asset? ("S" or "A")

#### **If Connected to a Segment**

Segment Enterprise ID (unsigned 4-byte integer)

Segment Site ID (unsigned 4-byte integer)

Segment ID (unsigned 4-byte integer)

#### **If Connected to an Asset**

Asset Originating Enterprise ID (unsigned 4-byte integer)

Asset Originating Site ID (unsigned 4-byte integer)

Asset ID (unsigned 4-byte integer)

If an end-user has not previously generated Measurement Location ID's at an originating Site, the software may prompt the end-user for a site-unique range of Measurement Location ID's that the software must utilize when auto-assigning Measurement Location ID's to existing or future measurement locations at an originating Site.