



ISA-95 Compliance

Version 1.0 (02/03/2017)

At Sepasoft, we built our MES software around the standard for communication between Enterprise and the Plant Floor: ANSI/ISA-95. At its core, our software utilizes the object models and attributes prescribed in the standard. In order to establish our compliance with the standard, an internal audit of the normative clauses of ISA-95¹ was completed with the results listed below.

The vast majority, over 70%, of the standard's normative sections are manifest in our product. According to sections 9.1 and 9.2, areas of non-compliance and non-conformance must be listed when claims of compliance and conformance are made. Therefore, the following list is provided to satisfy this requirement.

Itemized Deviation from Normative Clauses

Model	Reference	Compliance	Itemized Deviation
Role Based Equipment Hierarchy	Part 1 5.3	Partial	Production Line and Work Cell (as Cell), and Storage Zone and Storage Unit are implemented. Production Unit and Unit, and Process cell and unit are not implemented. Clause 5.4 is not implemented.
Personnel Model	Part 2 5.1.1	Partial	Qualification Test Specification and Qualification Test Result not implemented.
Equipment Model	Part 2 5.2.1	Partial	Equipment Capability Test Specification, Equipment Capability, Test Result Equipment Level are not specified in Sepasoft implementation of Equipment Class. Equipment objects that are members of an Equipment Class carry Equipment Level information, therefore class identification of level would be redundant.
Physical Asset Model	Part 2 5.3.1	No	
Material Model	Part 2 5.4.1	Partial	Material Test Specification and Material Test Result not implemented.
Process Segment Model	Part 2 5.5.1	Partial	Physical Asset Segment Specification and Process Segment Dependency not implemented. Process Segment Parameter implemented as Custom Property of Process Segment.

¹ ANSI/ISA-95.00.02-2010 (IEC 62264-2 Mod)

Itemized Deviation from Normative Clauses (Continued)

Model	Reference	Compliance	Itemized Differences
Operations Definition Model	Part 2 6.1.1	Partial	Hierarchy Scope, Bill of Material ID, Work Definition ID, Bill of Resource ID attributes are not implemented. Personnel, Equipment, and Material Capability objects not implemented.
Operations Schedule Model	Part 2 6.2.1	Partial	Hierarchy Scope not implemented. Segment Requirement implementation does not include Earliest Start Time and Latest End Time attributes. Equipment Requirements do not include Equipment Level attribute. Material Requirements do not implement Assembly Type and Assembly Relationship attributes.
Operations Performance Model	Part 2 6.3.1	Partial	Hierarchy Scope not implemented.
Operations Capability Model	Part 2 6.4.1	No	
Process Segment Capability Model	Part 2 6.5.1	No	

In all cases, the ISA-95 reference to Property is implemented as Custom Property to maintain consistency with Inductive Automation's Ignition product, the platform upon which Sepasoft modules are implemented.

Applicable Module(s)

Module	Version
Trace Module	1.9.1 and Later

If you are interested in our software, need additional documentation, or have other questions please feel free to contact us at support@sepassoft.com.