



OAGi Report

to the

Forty-Fourth Meeting of the IEC-ISO-ITU-UNECE Electronic Business
Memorandum of Understanding Management Group (EB-MOU/MG)

Date: 2023-01-17

1. **OAGi's mission** is to continuously improve interoperability through business process models, data standards, documentation, tools, best practices, and training.
2. **Key facts**
 - a. US-based non-profit industry association
 - b. Funded by members
 - c. Founded in 1995
 - d. President & CEO: Jim Wilson
 - e. Website: <https://OAGi.org>
3. **Key terms**
 - a. **IOF**: Industrial Ontologies Foundry
 - b. **NIST**: National Institute of Standards and Technology, an organization under the United States Department of Commerce
 - c. **OAGi**: Open Applications Group, Inc. (the organization)
 - d. **OAGIS**: Open Applications Group Implementation Specification (the primary standard)
 - e. **Score**: An open-source tool used to manage core component libraries and profile messages (i.e., create BIEs). Score supports ISO 15000-5 Core Component Specification. Score is developed jointly by NIST and OAGi
4. **Key collaborative industry associations and government groups**
 - a. AgGateway
 - b. JPCA/CEDI
 - c. MIMOSA
 - d. MTConnect
 - e. NIST
 - f. Digital Twin Consortium
 - g. OntoCommons
5. **News highlights**
 - a. Released IOF Core Ontology v1.0
 - b. Myriad Score improvements, including:
 - i. Multi-tenant support
 - ii. Support for CSV/Excel format for low-tech solutions
 - iii. Beta support for business term mapping
 - c. Released multiple OAGIS 10.8.x, including:
 - i. Improved support for integrated logistics (S Series)
 - ii. Improved support for quality (QIF)



- iii. Improved support for metadata
- iv. Other improvements for the aerospace industry
- v. Other improvements for the agriculture industry

6. Work areas

- a. Interoperability architecture
- b. Interoperability information model (OAGIS)
- c. Support for manufacturing shop floor information (MT Connect)
- d. Support for test and quality information (QIF)
- e. Support for integrated logistics for aerospace and defense (S Series)
- f. Interoperability information model tooling (Score)
- g. ISO standardization of OAGIS
- h. Data mapping techniques and tooling
- i. Smart manufacturing
- j. Ontology-development architecture, processes, and tools
- k. Core ontology
- l. Supply chain ontology
- m. Maintenance ontology
- n. Production service system ontology
- o. Production planning and scheduling ontology
- p. MT Connect ontology
- q. System engineering ontology
- r. Material science ontology
- s. Zero-defect manufacturing ontology

Respectfully submitted,

Jim Wilson

President & CEO, OAGi

Jim.Wilson@OAGi.org

+1 816-516-8847