ASD SSG meeting N°25

held on the 18th and 19th of November 2015
at UKCeB, Bristol

Representatives from Member Companies and Additional Participants:

AFNET, Airbus, Airbus Defence & Space, Airbus Group Innovations, Airbus Helicopters, BAE Systems plc, HeMe, UKCeB, UK MoD

Executive Summary

Significant progress has been achieved in 2015, in line with the strategy proposed by ASD SSG in its "Through Life-cycle Interoperability report", including:

- The launch of the PDM Implementer Forum, which should permit to validate IT vendor implementations before deployment in A&D Industry, ensuring sufficient performance and quality of the required interoperability processes.
- Significant progress made on AP242 ed2 project and on the new STEP architecture. The latter remains a challenge for S1 2016, as a stable, robust and easy to implement architecture (and associated methods and tools) is needed by all STEP AP projects.
- Publication two LOTAR standards, EN/NAS 9300-110 Edition 2 for 3D Geometry with updates for new capabilities supported by STEP AP242, and EN/NAS 9300-200 describing the fundamentals and concepts for long-term archiving of PDM data. Three more documents, including Governance and Preservation Planning, will follow early 2016.
- Publication of several specifications feeding the ASD-AIA Suite of Integrated Logistics Support (ILS) Specifications, including S2000M "Internal Specification for Material Management" Issue 6.0, SX000i "International guide for the use of the S-Series Integrated Logistic Support (ILS) Specifications" Issue 1.0, SX001G "Glossary for the S-Series ILS Specifications" Issue 1.1 and SX002D "Common Data Model for the S-Series ILS Specifications" Issue 1.1.
- Submission at ISO of STEP AP239 ed3 New Work Item. This should lead to an international AP239 ed3 project to be started mid-2016, with the objective to provide the underlying data model needed by the AIA-ASD Suite of ILS specifications (in relation with DMEWG) and to ensure interoperability of ILS with upstream life-cycle stages.

During this meeting, SSG members discussed several subjects:

- Way to increase momentum on AP239 ed3 project, more specifically the support from Ministries of Defence and Defence Bodies.
- Strategy for MoSSEC standardisation
- Promotion in A&D industry of requirement exchange based on AP242 XML
- Data Quality, and the way SSG activities support Industry quality requirements (e.g. in relation with IAQG Supply Chain Management Handbook).

Main priorities in 2016 include:

- Finalisation of the new STEP architecture and of AP242 ed2.
- Launch of STEP AP239 ed3 project
- PDM-IF activity enlarged to additional test cases (including the exchange of system requirements) and to additional IT vendors and tools.

The next SSG Newsletter will be published end 2015 or early 2016.

ASD SSG meeting N°24
held on the 8th and 9th of July 2015
at Airbus DS, Unterschleissheim (Munich)

Representatives from Member Companies and Additional Participants:
AFNET, Airbus, Airbus Defence & Space, Airbus Group Innovations, Airbus Helicopters, BAE Systems plc, Dassault Aviation, UKCeB

Executive Summary

ASD SSG has enriched its website with new pages (New STEP architecture page, PDM-IF page, ISO JT ed2 page, STEP AP242 Benchmark page) and an ASD SSG newsletter will be published shortly after this meeting.

Part of the meeting was dedicated to update the participants with respect to the several on-going standardisation projects initiated and/or supported by SSG, including the ILS suite of specifications, STEP AP239 ed3 and STEP AP242 ed2. Additional activities initiated by SSG include benchmarks and implementor forums, which are seen as mandatory to deploy interoperability based on standards in the industry.

The meeting was also an opportunity to discuss some technical subjects, including Mapping of DMEWG Data Model with AP239 ed2 Data Model, Requirement management in STEP implementation model, ISO 11354 "Requirements for establishing manufacturing enterprise process interoperability" and Multi-disciplinary simulation - FMI/Modelica and STEP AP209.

A discussion also took place related to the role and mission of ASD SSG, with the objective to increase its business value. This will be further discussed during the next ASD SSG calls.

ASD SSG meeting N°23
held on the 10th and 11th of March 2015
at Airbus, Toulouse St-Martin

Representatives from Member Companies and Additional Participants:
AFNET, Airbus, Airbus Defence & Space, Airbus Group Innovations, ASD-STAN, BAE Systems plc, BoostAero International, GIFAS
+ invited:
Ecole Centrale de Nantes, CIMPA, TU Dortmund

Executive Summary

ASD SSG has recently updated its Radar Screen to take into account official publication by ISO of STEP AP209 and AP242. Moreover an AP242 adoption statement has been developed and published.
ASD SSG coordination with ASD STAN Technical Authority will be reinforced, ASD SSG leading the "eBusiness Domain" of ASD-STAN.
The SSG Working Groups have reported on the several ongoing activities (ILS Suite, AP242 ed2, AP339 ed3, PDM IF). New pages are published on ASD SSG website to present PDM IF white paper issued in January.
An ASD SSG newsletter, planned in the next weeks, will highlight progress and results achieved these last 4 months.

A workshop took place during this meeting on "Manufacturing Interoperability", including presentations from Alain Bernard (Ecole Centrale de Nantes) on Additive Manufacturing standards, from Jochen Hartung (TU Dortmund) on Production Planning and ISO 18828, and from Nicolas Figay (Airbus Group Innovations) on Integrating Manufacturing standards for Production in a global PLM approach (ISA 95 versus STEP). These presentations and further discussions have allowed identification of new SSG actions to ensure interoperability in/with manufacturing domain (this will be developed in the next version of the ASD SSG "Through Life-cycle Interoperability" report.