

Summary of the LOTAR International Workshop

September 26-28, 2011 – Charleston, SC, USA

36 participants, + 25 persons via teleconference for a total of 61 attendees.

Parallel meeting with the CAx Implementor Forum on September 27.

Project management

- Preparation of the 2012 LOTAR project and budget plans, with the provisional list of A&D members.
- Status of the STEP AP 242 E1 project: - overview of the BO Model WG activities, - “3D tessellated geometry and External Element Reference (EER)”, - started the identification of business and use case requirements.
- Status of the automotive SASIG LTAR project and of the IMS PLM LTA initiative.
- Continued discussion on strategic coordination of the PLCS, AP 242 and LOTAR standards and projects
- Identification of requirements to ensure consistency between LOTAR working groups and relating standards (i.e. AP239, AP242, PDF/A V3, PDF/E E2 etc.)
- Parts 002, 005, 007, 100, 110 and 115 are in final stage of review before publication.
- There was an agreement to launch the Electrical Wiring Harness WG (Part 4xx) starting in Jan 2012.
- Next LOTAR workshop: 6th – 8th of December, hosted by ProSTEP, Darmstadt, Germany.

Welcome to Embraer and Bombardier to LOTAR

- The team welcomed Embraer and Bombardier as new LOTAR International members.

WG “LOTAR of CAD 3D PMI V1 “polyline presentation” and V2 “full representation” (Part 120)

- Part 120 V1 is ready for initial four month ballot. The target for the ballot phase is the week of Oct 31st. Another critical element that we need to consider concerning assembly PMI are the dependencies between the Part125 work and the development of AP242, specifically the External Element Reference capability. Our priority is to work the AP242 E1 deliverables first then we will focus on the concurrent work of assembly PMI; Part 125 and AP242 EER E2 deliverables.

WG “LOTAR of PDM Information” (Part 2XX):

- The Team is working on the finalization of Part 200. They are updating 210 in accordance to pilot results, check of DEX and AP239 / 242 harmonization results. Developed concepts and methods for validation properties. They are contracting the consolidation of part 210, and the recommended practices for valprop for Product Definition.

WG “LOTAR of Composite design” (Part 3XX):

- The initial prototype is now completed. It is based on AP242 Part21 files. Now, the idea/requirement comes up to switch to Part 28 XML files for the composite definition, pointing to Part 21 geometry files, using External Element References. A complete switch however will probably take 2-3 years, as much of the capabilities needed for this still need to be developed. Hence, the transition needs to be discussed with all parties involved.
- Revised “FrankenPart” (generic Composite Model) and Dassault Systemes have translated it back and forth into Part 21. These sample Part 21 files are available through Rich Murrish.
- Vistagy is putting together a build to deliver to the Composite WG for testing interoperability between FiberSIM and CPD. It should be ready by the end of September, 2011.

WG “LOTAR Governance & Planning WG” (Part 20):

- Sean presented status on Part 20 Governance & Planning. There was a reminder to all LOTAR members to read this and provide comments, otherwise agreement is assumed. Circulation of the document to EASA and FAA, through ASD and AIA will be coordinated via Rick and Jean-Yves.

WG “LOTAR Meta-data Archiving WG” (Part 2x):

- This is a new Working Group co-lead BAe Systems and Airbus. Sean presented a High-level architecture which sets the stage for a number of basic and common process parts. A set of Performance Attributes were presented with the intent to ask the user “What is important for you in your environment”.

WG “LOTAR 3D Tessellated WG” (AP242 support):

- Finalized STEP Part 42 for DIS. Completed final results and report of interoperability test round #1 and preparing for test round #2 (Oct – Nov 2011). The team is working on the identification of extensions for STEP AP242 ed2. There will be iterations of LOTAR part 310; it will not be held back until 2014.