

Summary of the LOTAR International Workshop

September 17th to 19th, 2012 – Charleston, South Carolina

Approximately 40 on-site participants plus an additional 10 persons via teleconference.

Parallel meeting with the CAx Implementor Forum.

Project management

- Confirmation on the remainder of the 2012 LOTAR International budget plan with regards to the planned service provider contracts.
- Finalized 2013 LOTAR project and budget plans, with the provisional list of A&D members.
- Review of the updates of the LOTAR web site, including the list of LOTAR communications and the updates of the working group web pages: <http://www.LOTAR-International.org>
- Discussed the format for and updated of the list of US and European A&D companies having projects based on the LOTAR standards.
- Status of the STEP AP 242 ed1 project: summary of the 10th – 14th of September workshop for the CD ballot resolution, preparation and planning for DIS ballot activities.
- Planning and coordination for Phase 3 activities on the AP 239 and AP 242 harmonization efforts for PDM; Final phase broken into two batches for completion by end of Q1 2013.
- Continuation of the management of consistency between the LOTAR standards, the associated standards / recommended practices for product information models, and their implementer forums. Agreement to support the future PDM IF in 2013.
- Leadership defined and first set of break-out meetings held for 3D Visualization team; coordination with other working groups.
- Next LOTAR workshop: 4th – 6th of December, in Darmstadt, Germany (ProSTEP).

WG “LOTAR of CAD 3D PMI“ (Part 120, Part 125)

- Discussion and brainstorming for the use cases and started planning for a proof of concept for part 120 V2.
- Initiated gathering of requirements for AP242 Edition 2.
- Reviewed CAx-IF approach for “External Element reference”; Captured requirements for Proof of Concept pilot for Part 125.
- Presentation of the scope and planned activities of the “3D visualization” WG and how that relates to 3D PMI working group.
- Began capturing use case requirements for Part 125; Identified applicable industry standards and reviewed potential gaps and/or deficiencies in those standards
- A presentation of the status of STEP interfaces for 3D PMI by the main CAD vendors (Dassault Systèmes for CATIA V5, Siemens PLM for NX, Theorem, CT Core Technologies, Datakit, ITI, Kubotek).
- Initiated draft for LOTAR 3D PMI “blip” for AIA, ASD-STAN initial draft available.

WG “LOTAR of PDM information” (Part 2XX)

- Finalized draft internal ballot package for Part 200 for LOTAR team review.
- Review of the LOTAR “PDM” WG web page and initial draft of LOTAR PDM “blip”.
- Final review of pilot packages for Part 210 PLCS DEX Finalization project
- Continued discussion on validation properties needed for PDM archival
- Review of 2013 planning and preparation for SOWs
- Review of applicable XML document standards and potential impacts
- Discussion on potential considerations for a LOTAR archival solution as it relates to PDM

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

- Update of the status of interoperability tests for composite design of AP 203 ed2 (CATIA V5/V6, FiberSIM)
- Review of new potential members
- Discussion on potential extensions to sample model set (Potting/Inserts, Limited Area Application Indicators, Ribbon Direction Indicator for Core)
- Planning for 2013 activities: Part 300 document draft, part 300 tutorial.
- Progress in the resolution of the open issue for the Boeing patent limiting the use of 3D approximate explicit representation for Composite design. Still not fully solved; potential show stopper for the part 310.
- Review of the LOTAR Composite WG web page and initial draft of LOTAR Composite “blip”.

WG “LOTAR of Electrical Wiring Harness” (Part 4XX)

- Preparation of use cases for LT Archiving & Retrieval of: - Physical elec. Harness design and construction, - 3D electrical harness installation, and – form board. (Wiring diagrams: Phase 2).
- Review of the overall information flow for Electrical Harness.
- Review of potential methods for Physical elec. Harness design and construction; overview of associated LOTAR use cases, and associated list of possible open formats. Same for 3D electrical harness installation.
- Review of the LOTAR “Electrical Harness” WG web page.
- Presentation of the draft ASD SSG LOTAR Elec. Harness “component summary”, input for the preparation of the similar AIA LOTAR 4XX “component summary”.
- Review of LOTAR elec. harness business requirements for preparation of the STEP AP 242 Ed2.

WG 3D Visualization

- Reviewed scope and objectives for archival of 3D Visualization data. Coordinated use case capture with other LOTAR WG’s.
- Discussed use case scenarios and their relationship to the existing business cases
- Reviewed liaison opportunities with related standards groups (JT Open, 3D PDF consortium, TC 171, TC184/SC4)
- Reviewed work plan for remainder of 2012 and initiated planning for 2013.
- Initiated plans for LOTAR WG web page and LOTAR 3D Visualization “blip”.