

Summary of the LOTAR International Workshop on the 6th to 8th of December 2011– Darmstadt, Germany

22 participants, including 7 US members + 10 persons via teleconference.

Parallel meeting with the CAx Implementor Forum on the 7th of December.

Project management

- Final review and closure of the 2011 LOTAR International budget plan with the contracts to service providers.
- Review and approval of the LOTAR 2011 annual report to be presented to the Project Steering Council: AIA, PDES, Inc., ASD, ProSTEP iViP in February 2012.
- Consolidation of the 2012 LOTAR project and budget plans, with the provisional list of A&D members.
- Regular update of the LOTAR web site: <http://www.LOTAR-International.org>. Agreement to develop specific web pages per LOTAR working groups for the March 2012 LOTAR workshop.
- Status of the STEP AP 242 ed1 project: - preparation of the Committee Draft, - ISO NWI “3D tessellated geometry and External element reference”, - preparation of the 2012 AP 242 project plan and associated resource plan, - preparation of the STEP AP 242 Implementer Forum for PDM.
- Preparation of the deeper coordination with the IMS PLM LTA initiative.
- Preparation of a liaison between the LOTAR project and ISO TC 171 for LOTAR of 3D light visualization.
- Continuation of LOTAR sponsoring in 2012 of the AP 242 – AP 239 harmonization for PDM information.
- Continuation of the management of consistency between the LOTAR standards, the associated standards / recommended practices for product information models, and their implementer forums.
- Next LOTAR workshop: 19th – 21st of March, in parallel with the PDES, Inc. Offsite (Gaithersburg, Maryland, USA).

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

- Review of the ISO and ASME standards for design based on 3D PMI.
- A presentation of the status of STEP interfaces by the main CAD vendors (Dassault Systèmes for Catia V5, Siemens PLM for NX, PTC for Creo and Theorem for NX).
- Presentation of the prototype of Datakit assessing the LT archiving of CAD 3D PMI “full representation” in STEP AP 242 CD schema; identification of some issues and need of further recommended practices.
- Status of progress of the ITI tools for validation and verification of CAD 3D PMI models and for the consistency checks between different CAD and neutral formats.
- Preparation of the 2012 work plan, including the part 125 for LT archiving of Assembly with 3D PMI, requesting the use of the “external element reference” functionalities.
- Agreement to detail Use cases for the next LOTAR workshop.

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

- Part 200 in final rework, draft ready for internal balloting for the next LOTAR March 2012 workshop.
- Part 210 further discussed, getting more mature. Need to be confirmed by pilots activities in 2012.
- Resolution for the LOTAR PDM recommended practices to be published as industry guidelines by AIA EEIC (Electronic Enterprise Integration Committee) and ASD SSG (Strategic Standardisation Group).

- Recommended practices for new validation properties for Product Structure contracted, in development.
- Meta data for Information packages: preparation of the 2012 work plan; organization in several work packages. Start in 2012 of bi weekly teleconference for “meta data for the Archive Package Information”.

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

- Continuation of the definition of the scope and priorities (Part 300 “fundamentals and concepts”, 310 “Composite design”).
- Teleconference with Wichita University for a live demonstration of interoperability / LT archiving of CAD 3D Composite design models between Catia V5 / V6 and FiberSim, based on AP 203 ed2.
- Continuation of the draft STEP recom. practices for validation properties for CAD 3D Composite design.
- Preparation of new specifications for LOTAR of CAD 3D composite plies based on STEP AP 242 “3D tessellated geometry” for approximate explicit representation (resolution of the patent issue to be finalized).
- Need to consolidate LOTAR companies partnership with Wichita and European university for deeper interoperability testing of Catia V5/V6 and Fibersim STEP interfaces.