

Summary of the LOTAR International Workshop

June 7-9, 2011 - Toulouse, France

20 participants, including 5 US members + 10 persons via teleconference.

Parallel meeting with the CAx Implementor Forum on the 8th of June.

Project management

- Consolidation of the 2011 LOTAR International budget plan with the planned contracts to service providers. Budget approved by a formal ballot of the active LOTAR members.
- Preparation 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>
- Preparation of the LOTAR mid year report presentation to the Project Steering Council: AIA, PDES, Inc., ASD, ProSTEP iViP on July 12th, 2011.
- Status of the STEP AP 242 ed1 project: - overview of the BO Model WG activities, - status of the ISO NWI "3D tessellated geometry and External element reference", - start of identification of business requirements to prepare the STEP AP 242 International workshop on the 21st to 23rd of Sept. 2011.
- Status of the automotive SASIG LTAR project and of the IMS PLM LTA initiative.
- Proposal for a strategic coordination of the PLCS, AP 242 and LOTAR standards and projects
- Presentation of the summary report of the STEP AP 239 and AP 242 experts, with the resulting recommendations of harmonization in the PDM domain.
- Next LOTAR workshop: 26th – 28th of September, in parallel with the PDES, Inc. Offsite (USA, Charleston).

Review of the status of the development of the different LOTAR parts

- Presentation of the NWI "LT Archiving & Retrieval of Electrical Harness". Start of the ballot July 2011.
- Presentation of the NWI "Meta data for Information Package": new LOTAR part. Ballot in July 2011.
- Part "Preservation Planning": upcoming review of the draft standard by the business in each A&D company (presentation available).

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

- Final review of the part 120 "LT Archiving & retrieval of CAD 3D PMI "polyline presentation"; approval to send it for ballot (NAS 9300-120 and EN9300-120).
- Review of the ISO and ASME standards for design based on 3D PMI. Potential issue for the ASME standards with the proposed change of ISO 1815 with the "invocation principle".
- Presentations of the status of STEP interface by the main CAD vendors (Dassault Systèmes for Catia V5, Siemens PLM for NX, Theorem for NX). Solutions in operation for LOTAR of CAD 3D PMI "polyline presentation"; prototypes in dev. for 3D PMI "Full representation", based on draft STEP AP 242.
- Sending in July of the updated STEP Rec. Practises for CAD 3D PMI "full representation" (AP 242 draft)
- Strong progress in the status of to "UniCode String Validation Properties based on OCR". Presentation by Kubotek of the quality control tool prototype for 3D PMI "polyline presentation", based on UCS.

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

- Continuation of the definition of the scope and priorities (Part 300 “fundamentals and concepts”, 310 “Composite design”).
- Teleconferences with Dassault Systèmes and Vistagy in preparation of a prototype for the interoperability of CAD 3D composite design. The work is also supported by the Wichita State University.
- Preparation of LOTAR of CAD 3D composite plies based on STEP “3D tessellated geometry” (STEP NWI).
- Overview of the AP 242 Business Object Model for Composite design, with the identification of use cases for the STEP NWI “external geometric element reference”

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

- Review of the draft part 200 “fundamentals & concepts”, which will be sent to the members of the project group for review this fall. The concept for product structure validation properties has been devised.
- Review of the options of recommendations of harmonization between STEP AP 242 BO Model and AP 239 PLCS for PDM.