

## Summary of the LOTAR International Workshop

**June 26<sup>th</sup> to 28<sup>th</sup>, 2012 – Toulouse, France**

34 participants, including 12 US members + 10 persons via teleconference.

Parallel meeting with the CAx Implementor Forum on the 27<sup>th</sup> of June.

### Project management

- Consolidation of 2012 LOTAR International budget plan with planned contracts to service providers.
- Preparation of draft 2013 LOTAR project and budget plans, with provisional list of A&D members.
- Review of the updates of the LOTAR web site, including the list of LOTAR communications and the preparation of new web pages per working groups: <http://www.LOTAR-International.org>
- Update of the list of American and European A&D companies having projects based on the LOTAR standards.
- Status of the STEP AP 242 ed1 project: summary of the 18<sup>th</sup> – 22<sup>nd</sup> of June workshop for the CD ballot resolution, status of progress of the “3D Tessellated Geometry” and “External Element Reference” sub projects, preparation of the agenda of the international workshop on the 10<sup>th</sup> to 14<sup>th</sup> of Sept. 2012 in USA.
- Presentation of the summary report of the AP239 / AP242 harmonization for PDM; very successful coordination which will increase the quality of both APs. Identification of the harmonisation phase 3.
- 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. A new edition of ISO 14721 (OAIS) will be released soon; the LOTAR project will establish an ad hoc working group to review it.
- Next LOTAR workshop: 17<sup>th</sup> – 19<sup>th</sup> of September, in parallel with the PDES, Inc. Offsite (USA, Charleston).

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

- Part 120 V1 sent for ballot to AIA and ASD Stan. Review and discussion of use cases for the part 120 V2.
- Status of the AP242 sub projects for “3D Tessellated Geometry” and “External Element Reference”, requested for LT archiving of assembly with 3D PMI, and by other LOTAR WGs (composite, elec. harness)
- Presentation of activities of the “3D visualization” WG: scope, objectives; start of bi-weekly telconfs.
- Presentations of the status of STEP interfaces for 3D PMI by the main CAD vendors (Dassault Systèmes for Catia V5, Siemens PLM for NX, PTC for Creo, Theorem, CT Core Technologies, Datakit, ITI, Kubotek).

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

- Part 200 final internal review. Preparation of the communication package for the parts 2XX series.
- Review of the LOTAR “PDM” WG web page.
- Publication of recommended practices for PDM Val Props as LOTAR technical report publically available.
- PLCS / PDM IF urgently required: Re-use concepts from the CAX-IF and PLCS-IF, provide a test bed, maintain test data, perform testing, publish and maintain recommended practices.

- American and European Pilots of Part 210 postponed to 2013.
- Start of 2013 planning (Part 200 formal ballot, Part 210 internal ballot, Standardize part 210 DEX)
- Meta Data for Information Packages: bi weekly teleconference set up; regular participation to be ensured.

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

- Update of status of interoperability tests for composite design of AP203e2 (Catia V5/V6, FiberSIM)
- Continuation of draft STEP Rec. Practices for validation properties for CAD 3D Composite design.
- Review of Composite Business Object Model of STEP AP242e1 (for future XML implementation).
- Planning for Q3/Q4 2012 activities: Part 300 document draft, part 300 tutorial.
- Progress in 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 part 310.
- Preparation of the web page of the LOTAR Composite WG.

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

- Review of the overall process for electrical harness development and update of the glossary for physical harness definition (- flexible harness, 3D Harness definition as installed, - 3D Harness installation, - Form board). Then, update of the list of use cases accordingly. Overview of the VDA VEC use cases.
- Review of the LOTAR elec. Harness business requirements for the preparation of STEP AP242e2.
- Review and approval of the LOTAR “Electrical Harness” WG web page.