

Summary of the LOTAR International Workshop October 9th to 13th, 2017 – Myrtle Beach, SC

22 on-site participants plus 5 persons via teleconference. Parallel meeting with the CAx Implementer Forum.

Project Management

- Discussed the 2017 LOTAR annual report, Work Group leaders need to complete their input before Q4 workshop.
- Reviewed the NAS9300-xx Ballot Matrix.
- Reviewed and discussed progress to plan on the US and EU budgets and contracts. Need to push new membership as couple existing members on the US side have left PDES, Inc. and need to be replaced.
- Status of LOTAR standards consistency: update of the list of interdependencies with ISO information models, implementer forums and resulting actions of coordination. Identification of the need to prepare the LOTAR project strategic plan (business requirements, 5 years roadmap, resource plan, risks, etc.)
- Next LOTAR workshop: 5 – 7 December, 2017 Darmstadt, DE, hosted by prostep ivip.

WG “LOTAR of 3D CAD Mechanical and PMI” (Parts 1XX):

- Worked on completion of the drafts of part 121 ed1 and Part 125 ed1, getting them ready to be sent for external ballot by the end of the year.
- Joint LOTAR 3D Mechanical / PMI & CAx-IF session to review the 3D Mechanical PMI requirements and the CAx-IF status for on-going support.
- Progress review of the “Holes and Fastener” WG and of the draft Recommended Practice this WG has develop. Review of the status of progress on “Equivalent Validation” standard ISO 10303-62.
- Worked on the gap analysis for AP242 ed3 and summaries from individual companies of gaps and analysis of various capabilities.

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

- No meeting; waiting for the results of the PDM harmonization between AP242 ed2 and AP239 Ed3, to be finished end of March 2018. Planned restart of the PDM WG during the March 2018 session with the confirmation of nomination of the new American and European co-leaders.

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

- No composite session during this meeting.
- Completion of two Composite Recommended Practices, continued work on the composite ISO “Change Request” for the preparation of the AP242 ed2 Draft International Standard (DIS). The team worked also on the LOTAR part 300 “Fundamentals & Concepts of LTA Composite Design”, with a target ballot date set for Q1 2018.

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

- Supporting AP242 ed2 electrical harness team.
- Worked on updating the Electrical Wiring Harness tutorial based on AP242 ed2.
- Continued work on Part 400 “Fundamentals & Concepts of LTA Electrical Wiring Harness”.

WG “LOTAR of Engineering Analysis and Simulation” (Part 6XX)

- Conducted pilot studies based on STEP AP209ed2 and provided requirements for linear static structural finite element analysis to the CAx-IF.
- Collaboration with NAFEMS was intensified to raise visibility of the work in this domain.
- Work is being continued on a MOU with NAFEMS and should be completed early next year. A CAE-IF was formed and will be managed under the CAx-IF.