

Summary of the LOTAR 4th Quarter Online Workshop 27 - 30 November 2023

The Q4 2023 LOTAR workshop was an entirely on-line event. It was well-attended, by around 25 participants. The highlights of the meetings included:

2024 Meeting Dates

- 11-15 March 2024 Darmstadt (prostep ivip)
 - 17-20 June 2024; On-line (PDES, Inc.)
 - 16-20 September 2024; Phoenix, AZ, USA (PDES, Inc.)
 - 2-6 December 2024; On-line (prostep ivip)
 - All meetings will be in conjunction with MBx-IF Workshop
- For related dates, also see <https://lotar-international.org/dates-communication/>

General Sessions

- In-depth discussions were held concerning re-activating the Engineering Analysis & Simulation Working Group.
- A plan for providing a merged European & Americas project plan and budget overview was discussed. A draft budget plan for 2024 was agreed upon.

WG “LOTAR 3D Mechanical CAD and PMI” (Parts 1xx)

- Requirement for flexible parts and the deformable part use case were shared with the CAx-IF and PDM-IF user groups,
- The CAx-IF implementor group presented the STEP entities for exchanged material assigned to multiple bodies inside one part,
- Datakit presented the results for the LOTAR Assembly PMI pilot 2,
- The group agreed to use a collaborative tool for the development of Part 115 (long term archiving of CAD assembly structure).

WG “LOTAR Product Data Management” (Parts 2xx)

- Reviewed comments from the external ballot of Part 210 by ASD and received detailed feedback from Guillaume Hirel concerning the STEP mapping.
- Evaluated Part 205 including AP242 recommended practices.
- Continued working on Part 230 revision focused on “as maintained” product structures

WG “LOTAR Composites and Advanced Manufacturing” (Parts 3xx)

- The group agreed to restart the development of LOTAR part documents using collaborative tools,
- Issues regarding the Composite Material Recommended Practices were presented by Dassault Systèmes.

WG “LOTAR of Electrical Wiring Harness” (Parts 4xx)

- Started developing and adding a list of AP242 Issues to Redmine (task management and requirement)
- Re-started work on the Part 4xx documents
- Held discussions on the relationship of Electrical Wiring Harness with PDM.

WG “LOTAR of Model Based Systems Engineering” (Parts 5xx)

- Held a meeting with the German chapter of INCOSE (GfSE) about SpecIF as a MBSE semantic integration standard.
- Received an update on OSLC Tools - Connect data across apps for traceability using add-ons by Koneksys.
- Drafted the upcoming INCOSE International Workshop 2024 Workshop Agenda.
- Aligned with AFNeT/AFIS System Engineering Interoperability Forum.

Summary of the CAX-IF meetings

The kick-off of CAX-IF Round 53J was very well attended with 23 Participants (11 vendors). The following are highlights from the meetings:

- The scope for Round 53J includes Kinematics, Persistent ID, PMI, User Defined Attributes, and Composites. The Test Round will end in March 2024.
- The User Group and Implementor Group met to discuss new requirements and progress on existing requirements, including Welding and Flexible Parts.
- New version of SFA (5.04) available which handles the STEP archive (*.stpA) format and supports updated implementations of Persistent IDs.
- Reviewed progress on new MBx-IF web pages which will be publicly available at the beginning of 2024.