

Summary of the LOTAR Online Workshop 23 – 25 June 2026

The virtual Q2 2026 LOTAR workshop was a pure online event. It was well attended by around 30 attendees. Highlights of the meeting included:

2026 & 2027 Meeting Dates

- 28 September - 1 October 2026; Frankfurt, Germany (prostep ivip)
 - In conjunction with “[Engineering Interoperability Day](#)”, combining STEP & JT communities.
- 1-3 December 2026; online (prostep ivip)
- Q1 2027 meeting proposed for 15-19 March in Reston, VA to coincide with OMG meeting
- Q3 2027 meeting proposed for 27-30 September in UK
- For related dates, also see <https://lotar-international.org/dates-communication/>

General Sessions

- Discussed about Modeling & Simulation and how to continue with the two existing documents Part 600 and Part 620 and agreed to launch internal Ballot.
- Still challenges to onboard in Europe new members and participants. Potential candidates:
 - EFW
 - Sabca, Sonaca
 - Diehl Aviation
 - Lufthansa Technik
 - Rheinmetall
 - TKMS

Combined WG “LOTAR 3D Mechanical CAD and PMI” (Parts 1xx) and “LOTAR Composites and Advanced Manufacturing” (Parts 3xx)

- Integration Forum (Holes & Fasteners) Working Meeting
- Mechanical Roadmap Updates
- Composite Group Status - focused on CAx-IF Test Round, selecting new Test Cases

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

- Significant advancement of 9300-200 Ed. 2
- 5-year Roadmap updated - potential new domain part "Data Traceability & Management in Large Language Models"
- Reviewed other domain parts – 9300-020, 9300-600
- Full review of PDM-IF Use Cases

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

- LOTAR Electric Work Group did not meet

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

- Part 500 ready for final external ballot
- Progressed on Part 520
- Strong momentum in MBSE and Digital Thread: CASCaRA established as strategic foundation
- Digital Thread & Traceability
 - Persistent Identifiers (PID) are emerging as a core enabler
 - End-to-end linking of models, simulation, and PLM data
- Model-Based Everything
 - MBSE (P500 series) gaining significant importance
 - Stronger integration across PLM, simulation, and system models

Summary of the CAX-IF Meetings

The CAX-IF Implementor Group (IG) launched its 58th round of testing on Wednesday, 24 June. 30 people participated with 18 organizations being represented. The following topics were covered:

- The Round 58J Test Suite, the scope of which includes:
 - Semantic Assembly-level PMI using STEP Part 21
 - Composite Material – Extended scope to close several User Stories
 - Kinematic Mechanism
 - Semantic & Graphic PMI at Part level
 - Hole Features
 - Persistent IDs – Extended scope, including screw threads
 - Bill of Operational Features (new)
 - Model-Based Notes (new)
- Updates to Recommended Practices
 - Various technical topics, including Round 57J schema validation results
- Dates, locations, and preparations for upcoming meetings

The CAX-IF IG met jointly with the User Group. The following topics were discussed:

- User Group Backlog, including new and updated User Stories, e.g. for Sheet Metal
- Status and activities in the “Persistent ID” projects
- Support for Welding Symbols
- Next steps for the MBx-IF Viewer Survey