

LOTAR

The objective of LOTAR (**L**ong-**T**erm **A**rchiving and **R**etrieval) is to develop an auditable process for the long-term archiving (LTA) of digital data, e.g. 3D CAD and PDM data.

Tasks

Goals of the project include:

- Developing a standard series (EN/NAS 9300) for archiving and retrieval of product data
- Standardization of referred and needed methods, process modules and data models
- Providing methods, process modules and data model(s), to enable long-term archiving and retrieval of CAD and PDM data, but e.g. also for electrical, composite and other design data
- Development of recommendations for practical introduction of long-term archiving of relevant data at industry
- Advancement of commercial-off-the-shelf solutions based on user requirements by close cooperation with the CAX-IF and conjoined funded pilot projects

Milestones 2010

Four workshops have been conducted; two in Europe (June – Toulouse, France; December – Darmstadt, Germany) and two in the USA (March – Gaithersburg, MD; September – Charleston, SC) with a growing number of participants.

A new corporate design for the project, including new logo, web presence and document templates, now illustrates the successful merger of the LOTAR activities on both sides of the Atlantic, which was started by signing the MoU between the hosting organizations in 2009.

Version 1 of the data domain specific part 120 (Archiving of 3D CAD with PMI as Polyline Presentation) has been finalized and will be sent out for official ballot end of 2010.

The PDM team within the project made significant progress by completing the data domain specific part 200 and launching first pilot activities in this domain.

New activities were started to work on the topics (Long-Term Archiving and Retrieval of) 3D Composite Design and 3D Lightweight Visualization data.

Outlook 2011

The following milestones are planned for 2011:

- Publishing of Part 120 version 1, continue to work on Part 120 version 2 (Semantic PMI Representation), with support from pilot projects.
- Publishing of Part 200, continue to work on Part 210 and corresponding pilot projects
- Start of a new working group to define the requirements and use cases for the long-term archiving and retrieval of 3D Electrical Design
- Support of the AP242 project by communication of requirements and prototype implementations.
- Continuation of close cooperation with the CAX-IF, including joint meetings at all four LOTAR workshop 2011
- Integration of additional partners into the project group
- Presentation at ProSTEP iVIP 2011 Symposium in Munich

Participants

Europe :

Airbus, Cassidian, Dassault Aviation, Eurocopter, IAI (Israel Aerospace Industries), Safran

Americas :

Boeing, General Dynamics, Goodrich, Honeywell, Lockheed Martin, NIST, Sandia National Laboratories, Spirit Aero

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