

ASD SSG Newsletter

July 2019 Issue



AeroSpace and Defence Industries Association of Europe (ASD) is the European association representing the interests of industries in the aeronautics, space, defence and security sectors. [Link](#)

ASD Strategic Standardisation Group (SSG) is the governance group in charge of Aerospace and Defence digital interoperability. [Link](#)

IDENTIFYING THE SET OF STANDARDS REQUIRED FOR AEROSPACE AND DEFENCE DIGITAL INTEROPERABILITY.

Product definition and analysis interoperability

- ISO STEP AP242 ed2 delivered to ISO for “Draft International Standard” ballot
- Join the AFNeT-prostep ivip **AP242 Day**, 27 November in Hamburg, and get the latest updates on short-term benefits
- Launch of the **Electrical Wiring Harness Installation System Implementer Forum (EWIS IF)**, based on STEP AP242 ed2
- AFNeT-prostep ivip PDM Implementer Forum validates new capabilities based on AP242 for enhancing collaboration between customised PDM systems
- STEP AP209 Round trip exchange of Finite Element Models (FEM) with results presented at NAFEMS World Congress in June 2019

Integrated Product Support interoperability

- Join the next **S1000D User Forum and ILS Specification Day**, London, October 14-17

Manufacturing interoperability

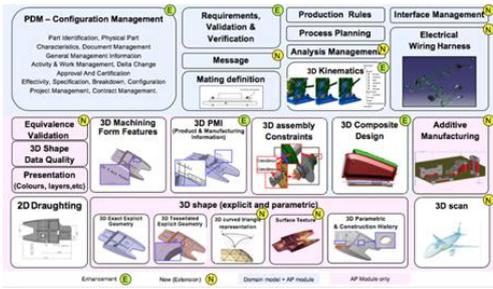
- Pilot for exchange of assemblies with holes and fasteners based on STEP AP242

Missed the last events?

- **AFNeT Standardisation Days**, 5-6 June in Paris

Next events

ISO STEP AP242 ed2 delivered to ISO for “Draft International Standard” ballot



AP242 ed2 DIS technical documentation sent to ISO Central Secretary on the 16 May 2019, during the ISO/TC 184/SC 4 meeting in Toulouse.

Start of the AP242 ed2 DIS ballot in August for a duration of 8 weeks.

Target AP242 ed2 “International Standard” publication before end of 2019.

[Read more on AP242 public web site](#)

Join the AFNet-prostep ivip AP242 Day, 27 November in Hamburg, and get the latest updates on short-term benefits



AFNet and prostep ivip organize the next STEP AP242 Day, with presentation of operational uses of AP242 ed1 in the industries, and concludes with the preparation of future capabilities, including holes and fasteners, electrical harness, additive manufacturing, etc.

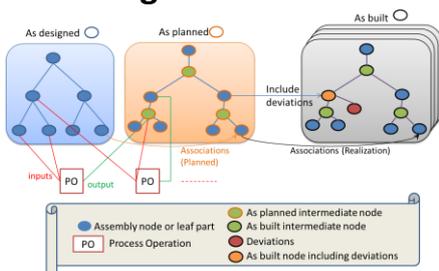
[Read more on AFNet 2019 AP242 Day web page](#)

Launch of the Electrical Wiring Harness Installation System Implementer Forum (EWIS IF), based on STEP AP242 ed2



Kickoff meeting of the EWIS IF “User Group” on the 16 April 2019, with a first meeting on the 22 May in Toulouse. Presentation of the EWIS IF objectives and way of working to the Electrical harness vendors and integrators on the 25 June. Joint meeting of the EWIS IF User and Implementer Groups on the 11 Sept., in Atlanta, USA.

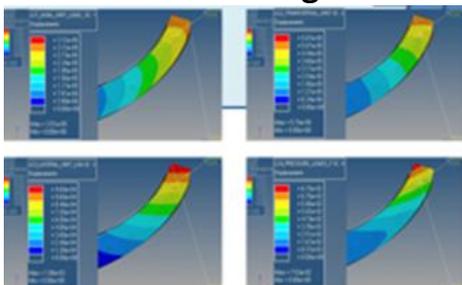
AFNet-prostep ivip PDM Implementer Forum validates new capabilities based on AP242 for enhancing collaboration between customised PDM systems



The AFNet-prostep ivip PDM Implementer Forum has successfully demonstrated AP242-based exchange between customised PDM systems according to the PDM-IF recommended practices. The User Group is preparing use cases for exchange of As-designed, As-planned and As-built product structures and associated links.

[Link to ASD SSG PDM-IF webpage](#)

STEP AP209 Round trip exchange of Finite Element Models (FEM) with results presented at NAFEMS World Congress in June 2019



The CAE Implementor Forum, created in 2017, has run 4 test rounds exploring various aspects of the business scenarios defined by the LOTAR Engineering Analysis & Simulation WG.

As a result, a full round trip process based on STEP AP209 and involving two CAE vendors was demonstrated live during the last NAFEMS World Congress (June 2019).

[More information on LOTAR EAS website](#)

Join the next S1000D User Forum and ILS Specification Day, London, October 14-17

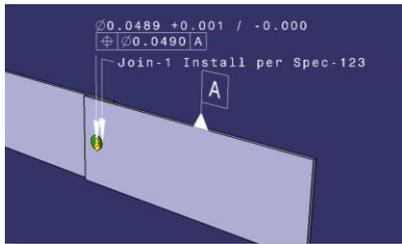


This four day event is sponsored by the ASD and its sister organisations from America: AIA and ATA.

Through a mix of tutorials, product demonstrations and keynotes from senior industry figures, the event will bring together some 300 aerospace & defence professionals, to share experiences in relation to the development of international specifications. These specifications seek, in essence, to promote interoperability of information processes; reducing life cycle costs and enabling improved availability of complex systems.

[Register today!](#)

Pilot for exchange of assemblies with holes and fasteners based on STEP AP242



In the scope of the LOTAR project, a pilot is planned in 2019 for long term archiving of assemblies with holes and fasteners. This pilot is focussed on the hole feature definition (counterbore, countersink, counterdrill, ...). In 2020, more complex capabilities are planned to be tested such as the manufacturing requirements (e.g. torque value). As part of the preparation of the pilots, the associated AP242 edition 2 Recommended Practices will be drafted.

AFNeT Standardisation Days, 5-6 June in Paris



More than 80 participants joined the 2019 AFNeT Standardisation days, with keynotes from Airbus and presentations from Aerospace, Naval, Nuclear, Electrotechnical and Rail industries.

Parallel sessions focused on interoperability related to PLM, Digital Factory, MBSE and digital twins, and PLM vendors presented their interoperability solutions.

[All presentations are available on AFNeT web site](#)

Next events:

- PDES, Inc. Fall Technical Interchange Meeting, 8-13 September, Atlanta (parallel to LOTAR meeting)
- GPDIS 2019, 16-19 September, Phoenix [Link](#)
- **S1000D User Forum and ILS Specification Day**, 14-17 October, London, UK [Link](#)
- ISO/TC 184/SC 4 meeting, 3-8 November, Marina del Rey (USA)
- PDT Europe, 13-14 November, Paris
- AFNeT - prostep ivip **STEP AP242 Day**, 27 November, Hamburg [Link](#)
- LOTAR workshop, 9-12 December, Darmstadt



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