

ASD SSG Newsletter

November 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](#) will be published as an International Standard by early 2020
- Join the AFNeT-prostep ivip [STEP AP242 Day](#), 27 November in Hamburg!
- Launch of the first [EWIS-IF](#) test round for electrical wire harness data exchange
- Join the new [CAx-IF user group](#) to influence next test rounds

Integrated Product Support interoperability

- Success of [S1000D User Forum and ILS Specification Day](#), London, October 14-17
- [S5000F issue 2.0](#) sent for ASD and AIA review

Manufacturing interoperability

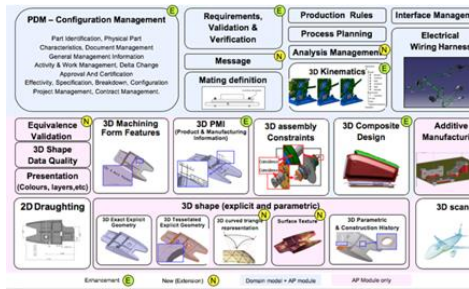
- Setting the scene for [Smart Manufacturing](#)

For information

- [Global Product Data Interoperability Summit 2019](#) presentations are available

Next events

ISO STEP AP242 ed2 will be published as an International Standard by early 2020



The AP242 ed2 has successfully passed its ISO ballot, with unanimous positive vote, on October 4th, 2019. The document is now in final publication stage at ISO and we shall expect the IS availability early 2020. Stay tuned for final publication announcement.

ASD SSG is gathering European A&D industry requirements for AP242 Edition 3.

[Read more on AP242 public web site](#) and [ASD SSG page](#)

Join the AFNeT-prostep ivip STEP AP242 Day, 27 November in Hamburg!



AFNeT and prostep ivip have organized the 2019 STEP AP242 Day, with presentations of operational uses of AP242 ed1 in the industry. Additionally, CAD and PDM vendors will present the status of AP242 COTS solutions. Conclusion of the day will highlight future data exchange applications including holes and fasteners, electrical harness, etc.

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

Launch of the first EWIS-IF test round for electrical wire harness data exchange



The EWIS-IF has launched its 1st test round in September 2019 with the participation of 3 implementors. The scope of this 1st test round is electrical harness assembly structure and basic harness topology. The results are expected in March 2020 and will be presented in the EWIS-IF Toulouse meeting, 18th to 20th of March.

[Read more on EWIS-IF web page](#) and [ASD SSG page](#)

Join the new CAX-IF user group to influence next test rounds



The CAX-IF currently covers the Mechanical CAD domain, based on STEP AP242. This includes 3D geometry, Product and Manufacturing Information (PMI), Machining Features, Composite Materials and Additive Manufacturing. The CAX-IF User Group documents and prioritizes use cases, and defines information exchange requirements to be addressed by the Implementor Group, made of CAD editors and integrators.

[More information on CAX-IF website](#) and [ASD SSG page](#)

Success of S1000D User Forum and ILS Specification Day, London, October 14-17



Opened by the Director General of ASD, Jan Pie, the 2019 User Forum attracted 330 visitors from around the world and was judged an outstanding event. 2020 will see an Integrated Product Support user forum hosted by Europe.

The Service Commission also met in London and exciting developments in the field of through life support training were discussed, with the European Commission launching a Joint Initiative on Standardisation aiming to train some 685,000 engineers across the continent.

Jan Pie will also brief the main ASD Board with regard to our activities early in December, our profile has never been higher!

[Read more on Forum page](#) and [ASD SSG ILS Spec. page](#)

S5000F International spec. for in-service data feedback issue 2.0 sent for ASD and AIA review



Elements	Product	Safety	Message
Configuration	Fleet	Events and Consequences	Environment and Infrastructure
Maintenance	Operations	Regulatory	Management
Material	Miscellaneous	Information	People and Organizations

S5000F issue 2.0 has been sent to the parent organisations for review and formal approval. It is expected that the formal publication will be performed in December.

Issue 2.0 includes a new software and data chapter, introduces new concepts like dataset, damage, environment, capability or infrastructure (such as the cloud infrastructure, MRO network or transport network). It also covers new areas like transport, equipment calibration and export control.

[More information on S5000F site](#) and [ASD SSG ILS Spec. page](#)

Setting the scene for Smart Manufacturing



ASD SSG SMART Manufacturing Interoperability group has increased its representation and influence with other standards bodies, now ASD SSG member as the Technical Committee Chair of [CEN/TC 310](#) 'Advanced Automation Technologies and their applications' and member of [IEC TC65/WG23](#) Joint Working Group 'Smart Manufacturing Framework and System Architecture'.

WG23 activities include SMART Manufacturing Terminology, Smart Manufacturing Usecases and Smart Manufacturing requirements for Cybersecurity.

Global Product Data Interoperability Summit 2019 presentations are available



GPDIS 2019 was held 16-18 September, Phoenix and gathered 340 persons. This conference, organised by Boeing, Northrop Grumman and Parker Aerospace, focused on product data interoperability, and covered the full life cycle: MBSE, Model-Based Definition, Manufacturing, Tests & Support.

ASD members made 3 presentations.

Presentations: <https://gpdisonline.com/presentations>

Next events:

- **AFNeT-prostep ivip STEP AP242 Day**, 27 November in Hamburg
- **AIA-ASD biannual collaboration call on data interoperability**, 25 November
- **AFNeT-prostep ivip PDM Interoperability Forum**, 3-4 December, Paris
- **LOTAR workshop**, 9-12 December, Darmstadt
- **ASD SSG meeting**, 7-8 April 2020, BNAE Paris



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