ASD SSG Newsletter

April 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.

- Howard Mason to retire and leave ASD SSG

- New capabilities of STEP AP242 edition 2 "Managed model based 3D engineering" move towards international acceptance

- New Implementer Forum to speed up deployment of vendor solutions for exchange of electrical wiring harness design based on AP242 ed2

- ISO AP239 (Product Life Cycle Support) ed3 providing new capabilities to support Integrated Logistics Support specifications

- MoU signed between ASD/AIA and Shipdex regarding the use of S5000F by shipping industry

- CEN/CENELEC setting the agenda for Smart Manufacturing

- New LOTAR working group to develop long term archiving capabilities for Model-Based Systems Engineering data

- ASD and AIA develop collaboration on data interoperability

- BoostAero International certifies the first BoostAero XML Consultants

- Next events

Howard Mason to retire and leave ASD SSG

Although Howard has been involved in **ASD SSG activities** since the first meeting in 2008, his pedigree in the Standards world dates back more than three and half decades; starting with the **ISO/TC 184/SC 4 committee** in 1984. As well as being the longest serving member of this committee, he chaired SC 4 on behalf of the US for 17 years and also chaired the UK mirror committee for 35 years from 1984.

Since 1990, Howard has been a board member of **PDES, Inc.** Consortium, accelerating the industrial implementation of the STEP standard.

From 2003 to 2017 he chaired the **Management Group for the MoU between ISO, IEC, ITU and UN/CEFACT** with responsibility for coordination of digital interoperability standards worldwide, and is a member of the corresponding UK organisation. The MoU brings together the chairs of more than 20 standards groups worldwide to address common issues.
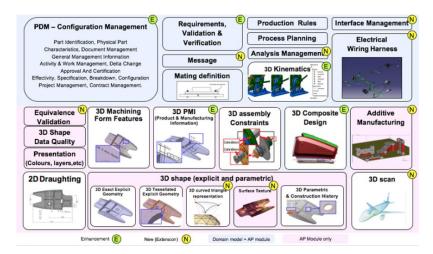
Other standards activities include the chairmanship of the European **CEN Technical Committee TC310** on Advanced Manufacturing Technologies since the mid 1990's, and leading the UK delegation to its international equivalent since 1984.

Howard has also undertaken full time positions within the standards world: from 1993-1998 he was seconded to Brussels to serve as the **AECMA Electronic Data Interchange Attache**.

No small wonder then that the SSG group, which has enjoyed Howard's vice-chairmanship and his role as the link between the AIA and ISO, will find a hole around their table difficult, if not impossible, to fill.

The SSG participants at the meeting on the 21-22 March 2019 in London, were **pleased to honour Howard for his amazing contribution and dedication to the "Standards Cause".** All wished him well and encouraged him to take full advantage of his retirement when it falls at the end of May this year.

New capabilities of STEP AP242 edition 2 "Managed model based 3D engineering" move towards international acceptance
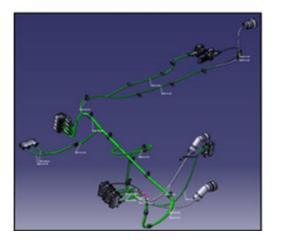

Intensive works have been undertaken in the last few months to finalize the **technical documentation of AP242 ed2 DIS2**. The expected launch of the AP242 edition DIS2 ballot is June 2019, with a **target publication as an international standard (IS) before the end of 2019.**

Ongoing activities are to prepare extensions of the scope of related Implementer Forums, e.g. preparation of creation of the CAD User Group, part of the CAD IF, and preparation of the launch of the Electrical Implementer Forum.

Read more on AP242 public web site

New Implementer Forum to speed up deployment of vendor solutions for exchange of electrical wiring harness design based on AP242 ed2

Preparation of the **launch of the Electrical Implementer Forum in 2019**, organized in two groups:

- The **User Group**, composed of industry representatives, providing business requirements, use cases, test cases and defining priorities,
- The **Implementer Group**, composed of Electrical tool vendors, running interoperability test rounds, and involved in the definition of the AP242 ed2 electrical recommended practices.

Kick off call of the Electrical User Group will be on April 16. The goal is to confirm the participation of industry members, and to start the description of use cases.

ISO AP239 (Product Life Cycle Support) ed3 providing new capabilities to support Integrated Logistics Support specifications

The ISO AP239 ed3 project has developed a **first set of components of the future STEP Core Model** (an information model harmonized between AP242 and AP239).

This harmonization will enable **digital continuity between Engineering** (where AP242 is identified as the central standard for design and manufacturing) **and Support** (where AP239 PLCS is targeted as an overarching standard for Integrated Logistics Support specifications, including AIA-ASD ILS Specifications and SAE-GEIA-0007).

The Core Model is planned to be published as an ISO Technical Specification in 2020.

More information on AP239 (PLCS) edition 3 project website

MoU signed between ASD/AIA and Shipdex regarding the use of S5000F by shipping industry

ASD and AIA have signed a **Memorandum of Understanding** (MoU) **with Shipdex** for the use of S5000F, the International specification for in-service feedback, by the shipping industry.

The intention of Shipdex is to **tailor S5000F** for its use by shipyards and ship owners/operators to provide in-service feedback, mainly related to the maintenance of their ships.

The MoU also allows Shipdex to participate in the S5000F Steering Committee, which will also address shipping industry specific needs for their incorporation into the specification.

Link to Shipdex website

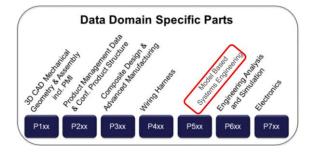## CEN/CENELEC setting the agenda for Smart Manufacturing

The most recent meeting of the **CEN Technical Committee TC 310 on Automation Systems and Integration** reviewed current European activities and requirements for industrial automation standards, placing actions to accelerate progress at the international level as required.

The TC also discussed a proposal for a CEN-CENELEC-ETSI Coordination Group on **Smart Manufacturing** received via DIN to create a coordination group on Industrie 4.0 on a European level.

TC310 acknowledged the need for coordination involving European stakeholders but highlighted the fact that many of the international coordination activities already have strong European participation. It is proposed that a workshop be set up to review existing international coordination from the European viewpoint to identify any additional requirements.

New LOTAR working group to develop long term archiving capabilities for Model-Based Systems Engineering data

At the end of 2018 the **LOTAR MBSE Working Group** held its first kick off meeting in Darmstadt, Germany. The group is led by Adrian Murton (Airbus) for Europe and Mark Williams (Boeing) for America.

Since the kick off meeting the group has held regular conference calls and recently held a second face-to-face meeting in Asheville, NC, USA.

One of the first aims of the group is to define the scope of **MBSE data that needs to be archived**, identifying the standards that will be used. This will be described in the LOTAR EN/NAS 9300-500 series documentation that the group is already working on.

For further information please contact Adrian Murton.

More information shortly on LOTAR website

ASD and AIA develop collaboration on data interoperability

AIA Business Technology Interoperability Committee Chair Howard Mason and **ASD Strategic Standardization Group** Chair Yves Baudier led the latest biannual collaboration call on data interoperability between the US and Europe on January 30.

The call reviewed progress on existing collaborative activities within the framework of the MoU between AIA and ASD, such as **STEP AP242 ed2, LOTAR and the S-series specifications, product visualisation and transaction standards**, and identified future opportunities in the areas of **smart manufacturing, blockchain and digital twins**.

More information on SSG website

BoostAero International certifies the first BoostAero XML Consultants

Three first consultants from PREDELL successfully passed the 5 phases to access **Boost Aero International SellSide Certification** on BoostAero XML processes (messages: Forecast, Purchase Order, Despatch Advice).

The aim of this new **certification program** is to make available on the market consultants capable of accelerating the deployment of **Machine to Machine (M2M) digital exchange** solutions between AirSupply and the ERPs of suppliers or customers, thereby enabling industrial users to gain in competitiveness. and in reactivity.

BoostAero International launched this consultant certification program in June 2018. This program is divided into 5 phases: 1- BoostAero processes and standards training (access to BoostAero International members) 2- Study of the standards based on documentary media 3- Knowledge Check Review 4- Oral defense of a BoostAero project 5- Analysis of customer satisfaction

More information on Boostaero website

Next events:

- **Prostep ivip Symposium**, 9-10 April 2019, Stuttgart, Germany
- **ISO/TC 184/SC 4 (Industrial Data) meeting**, 12-17 May in Toulouse, France
- **AIA-ASD LOTAR meeting,** 20-23 May, Toulouse, France
- **AFNeT Standardization Days,** 5-6 June 2019, Paris, France
- **ASD Strategic Standardisation Group meeting,** 2-3 July, ASD, Brussels, Belgium
- **S1000D and ILS User Forum,** 14-17 October, London, UK

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

http://www.asd-ssg.org/