



# AGENDA

“Driving Value Through Effective Information Sharing”

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Monday, June 12			
3:00 p.m. - 6:00 p.m.	<b>Registration</b>		Emerald Foyer
6:00 p.m. - 8:00 p.m.	<b>Welcome Reception</b>		Winter Garden
Tuesday, June 13			
7:30 a.m. - 5:00 p.m.	<b>Registration</b>		Emerald Foyer
7:30 a.m. - 5:00 p.m.	<b>Exhibit Hall</b>		Winter Garden
7:30 a.m. - 8:30 a.m.	<b>Coffee and Danish - Sponsored by JANA</b>		Winter Garden
8:30 a.m. - 10:15 a.m.	<b>General Session</b>		Grand Ballroom
	<p><b>Introduction</b> - Brad Ballance, Senior Managing Director e-Business, ATA e-Business Program</p> <p><b>Welcome Comments</b> – Toralf Johannessen, Senior Vice President, CORENA Manufacturer Solutions, Flatirons Jouve</p> <p><b>ATA Overview</b> – Brad Ballance, Senior Managing Director e-Business, ATA e-Business Program</p> <p><b>ASD Overview</b> – Ana Chirulescu, Economic, Legal and Trade Manager, ASD</p> <p><b>AIA Overview</b> – Gery Mras, Director Lifecycle Management, AIA</p> <p><b>Keynote Speaker</b> – <b>Airline Digital Transformation at the Intersection of Emerging Technologies</b> Jack Shaw, Business Technology Futurist</p>		
10:15 a.m. - 11:00 a.m.	<b>Break - Sponsored by JANA</b>		Winter Garden
	<p><b>ATA e-Business Forum Track</b> Moderator: Ken Jones, ATA Opal I</p>	<p><b>S1000D User Forum Track</b> Moderator: Sierra Fisher, Boeing Opal II</p>	<p><b>Product Demonstrations</b> Moderator: Jon Andresen, Technology Solutions Amber I</p>
11:00 a.m. - 11:30 a.m.	<p><b>ATA e-Business Specifications Overview</b> Ken Jones, ATA e-Business Program</p>	<p><b>S1000D Council &amp; Steering Committee Report</b> Andreas Schuetze, Airbus Paul Haslam, O’Neil &amp; Associates</p>	<p><b>Comprehensive S1000D Support with CORENA Suite</b> Jarle Hjortland, Flatirons</p>
11:30 a.m. - 12:00 p.m.	<p><b>Spec 2000 Reliability</b> Ed Sweezey, American Airlines</p>	<p><b>Overview of the changes in S1000D Issue 4.2</b> Paul Haslam, O’Neil &amp; Associates</p>	<p><b>A day in the life of an S1000D project from start to publish with EAGLE Publishing System</b> David Jacques, Raytheon EAGLE</p>
12:00 p.m. - 12:30 p.m.	<p><b>Using Reliability Metrics</b> Jesse Luck, Southwest Airlines</p>	<p><b>How to Accelerate S1000D Implementation by Slowing Down</b> Victoria Ichizli-Bartels, Optimist Writer</p>	<p><b>UltraCSDB; Innovative and integrated commercial, off-the-shelf Content Lifecycle Management solution for ASD S1000D, ATA iSpec 2200 and Legacy Projects</b> Stephen Ankelen, WebX Systems Ltd.</p>

12:30 p.m. - 2:00 p.m.	<b>Lunch</b>			Grand Ballroom
	<b>ATA e-Business Forum Track</b> <i>Moderator: Ken Jones, ATA Opal I</i>	<b>S1000D User Forum Track</b> <i>Moderator: Sierra Fisher, Boeing Opal II</i>	<b>Product Demonstrations</b> <i>Moderator: Brad Ballance, ATA Amber I</i>	
2:00 p.m. - 2:30 p.m.	<b>IATA Paperless Operations Update</b> <i>Chris Markou, IATA</i>	<b>S1000D Actors</b> <i>Henry Ratzer, Ratzer Consulting Service</i>	<b>Seamless Data Exchange Evolution</b> <i>Stefan Fölser, eWINGZ</i>	
2:30 p.m. - 3:00 p.m.	<b>Maintenance Execution Data Exchange</b> <i>Cristina Bustos, Swiss AviationSoftware</i>	<b>S1000D Requirements for Product Lifecycle Management</b> <i>Wayne Gafford, Port Hueneme NSWC Svante Ericsson, Psericon</i>	<b>Electronic Part Certification solution – eCERT/APP for SAP ERP</b> <i>Werner Magerl, warp it AG</i>	
3:00 p.m. - 4:00 p.m.	<b>Break</b>			Winter Garden
4:00 p.m. - 4:30 p.m.	<b>Aircraft Transfer Records - Spec 2500</b> <i>Panel: Mark Lynch, GECAS</i>	<b>An Introduction to the Civil Aviation Business Rules for Component Maintenance Publications</b> <i>Jordan Cave, Sonovision</i>	<b>Inmedius® Spectrum™: An Enhanced Enterprise-Wide Architecture for the Full S1000D Documentation Lifecycle</b> <i>Stuart Cocks, CDG</i>	
4:30 p.m. - 5:00 p.m.	<i>Rebecca Molder, American Airlines Cristina Bustos, Swiss AviationSoftware Chris Markou - IATA</i>	<b>A400M TID - Advance Copy S1000D</b> <i>Manuel Álvarez Morales, Airbus Defence and Space</i>	<b>ATA iSpec 2200 and S1000D technical illustrations with the power of CoreIDRAW® Technical Suite</b> <i>Klaus Vossen, COREL</i>	
6:00 p.m. - 8:00 p.m.	<b>Gala Reception - Sponsored by Flatirons Jouve</b>			NH Collection Barbizon Palace Hotel- St. Olof's Chapel (see directions below)
<b>Wednesday, June 14</b>				
8:00 a.m. - 3:00 p.m.	<b>Registration</b>			Emerald Foyer
8:00 a.m. - 3:00 p.m.	<b>Exhibit Hall</b>			Winter Garden
8:00 a.m. - 9:00 a.m.	<b>Coffee and Danish – Sponsored by JANA</b>			Winter Garden
	<b>ATA e-Business Forum Track</b> <i>Moderator: Sean Melia, SITA Opal I</i>	<b>S1000D User Forum Track</b> <i>Moderator: Christian Eickhoff, Lufthansa Technik Opal II</i>	<b>Product Demonstrations</b> <i>Moderator: Brad Ballance, ATA Amber I</i>	
9:00 a.m. - 9:30 a.m.	<b>Spec 2000 Next Generation Procurement</b> <i>Sean Melia, SITA</i>	<b>S1000D 1.8 to 4.1 conversion: a real case</b> <i>Ruben Martin Sanchez, Airbus Defence and Space</i>	<b>Aerosoft CMS / M&amp;E product integration</b> <i>Thanos Kaponeridis, Aerosoft Systems Inc. Barend van de Vrande, Aerosoft Systems Inc.</i>	
9:30 a.m. - 10:00 a.m.	<b>RFID – Spec 2000 Implementation and new Active Tag Approval</b> <i>Jon Andresen, Technology Solutions</i>	<b>Converting technical information from S1000D issue 2.0 into issue 4.0.1: A case study</b> <i>Katrin Hansen, Saab</i>	<b>Taking the complexity out of starting a S1000D project with Adobe FrameMaker and Eclipse S1000D</b> <i>Adrian Jordin, Mekon</i>	
10:00 a.m. - 10:30 a.m.	<b>MRO Implementation of M&amp;E IT Systems - Case Study</b> <i>Irtan Safari, GMF AeroAsia</i>	<b>Migrating data modules to new versions of S1000D</b> <i>Stefan Siegel, Studec</i>	<b>MDDV “The Game Changer IETM”</b> <i>Ran Meriaz, American Data Solutions</i>	
10:30 a.m. - 11:00 a.m.	<b>Break – Sponsored by JANA</b>			Winter Garden
11:00 a.m. - 11:30 a.m.	<b>Configuration Data Exchange - Scope and Challenges</b> <i>Patricia Francois, Airbus</i>	<b>Managing a Common Dataset for Multiple Customers, “The Master-Customized Concept”</b> <i>Vic Ortega, CDG, a Boeing Company</i>	<b>PTC Service Solutions for Aerospace and Defense</b> <i>Ian Boulton, PTC</i>	

	<b>ATA e-Business Forum Track</b> <i>Moderator: Tim Theisen, JANA Opal I</i>	<b>S1000D User Forum Track</b> <i>Moderator: Christian Eickhoff, Lufthansa Technik Opal II</i>	<b>Product Demonstrations</b> <i>Moderator: Moderator: Jon Andresen, Technology Solutions Amber I</i>
11:30 a.m. - 12:00 p.m.	<b>A350 Entry into Service - Case Study S1000D &amp; Spec 2000 Ch. 15</b> <i>Jani Kilpi, Finnair</i>	<b>Database Oriented Authoring for Maintenance Planning information based on S1000D</b> <i>Achim Besel, Airbus Defence and Space</i>	<b>ONE View, ONE Team with the OneStrand TDM Portal</b> <i>Tammy Halter, OneStrand LLC</i>
12:00 p.m. - 1:30 p.m.	<b>Lunch – Sponsored by Airbus and Satair Group</b> Grand Ballroom		
1:30 p.m. - 2:00 p.m.	<b>Securing your Data - Spec 42</b> <i>Regan Brossard, Boeing</i>	<b>Solution of WDM (Wiring Diagram Manual) automatic generation</b> <i>Zhang Ruyi, CAPE</i>	<b>Comply with ASD-STE100 with HyperSTE Content Checker</b> <i>Berry Braster, Etteplan</i>
2:00 p.m. - 2:30 p.m.	<b>A practical application of SPEC 42 : A LRU supplier’s perspective</b> <i>Ravi Nori, Teledyne Controls</i>	<b>Augmented Reality, Digital Twin and S1000D</b> <i>Ian Boulton, PTC</i>	<b>Libroplanta S1000D XML Editor specially designed to comply with S1000D requirements</b> <i>Pavel I. Belyakov, Libroplanta LLC</i>
2:30 p.m. - 3:00 p.m.	<b>Merging Technical Data from Two Operator Systems</b> <i>James Griffie, Delta Air Lines</i>	<b>Product Lifecycle Management (PLM) Architectures and S1000D: Support for Technical Training Content</b> <i>Wayne Gafford, Port Hueneme NSWC</i>	<b>ADAM suite tools for S1000D and ATA2300</b> <i>Manuel HERAULT, 4DConcept Philippe BUFFET, 4DConcept</i>
3:00 p.m. - 3:30 p.m.	<b>Break</b> Winter Garden		
3:30 p.m. - 4:00 p.m.	<b>Finding the Right Balance Between Automated &amp; Visual QA</b> <i>Naveh Greenberg, Data Conversion Laboratory</i>	<b>Authoring Cockpit – Simplification of authoring by integration of existing business environment</b> <i>Thorsten Kaup, Airbus Defence and Space</i>	<b>Simplifying the Content Creation, Management and Distribution Challenge with Mobile-first Solutions</b> <i>Dude Frank, Comply365</i>
4:00 p.m. - 4:30 p.m.	<b>Challenges of supporting ATA and S1000D in a single System</b> <i>Ian Boulton, PTC</i>	<b>Simplified Technical English as part of an S1000D implementation, and the impact on Augmented Reality and IoT strategies</b> <i>Berry Braster, Etteplan</i>	<b>Material Supply as link between different IPS-/ILS-disciplines</b> <i>Dino Machal, HICO-ICS GmbH</i>
4:30 p.m. – 5:00 p.m.	<b>Airbus Helicopters - Aircrew Data ATA 2300 Implementation</b> <i>Nicolas Baraton, Airbus Helicopters</i>	<b>Starting from scratch – Moving FAASTARS to S1000D</b> <i>Falk Aupers, Flatirons</i>	<b>s1000dimpl.org : the new open source project implementing S1000D</b> <i>Stephan GRAVIASSY, STUDEC Stefan SIEGEL, STUDEC</i>

### Don't miss the Gala Reception!

Sponsored by Flatirons Jouve  
Tuesday, June 13, 6:00-8:00pm

NH Barbizon Palace Hotel (St. Olof's Chapel)  
Prins Hendrikkade 59-72, 1012 AD Amsterdam, Netherlands

Join us for appetizers and drinks at a beautiful historic chapel in Amsterdam. St. Olof's Chapel is only accessible through an underground corridor from the NH Collection Barbizon Palace Hotel. The original Sint Olofskapel (Saint Olof's chapel) was built between 1440 and 1450, making it the oldest chapel in Amsterdam. It was built in honor of Saint Odolphus from the Dutch province of Brabant – the patron saint of the dykes.

**Directions:** The NH Barbizon Palace Hotel is a short 7 minute walk from the Grand Krasnapolsky Hotel.

1. As you leave the main entrance of the Grand Krasnapolsky Hotel, turn right and follow Warmoesstraat, which will become a narrower street, Sint Olofspoort for the final block of your walk.
2. Sint Olofspoort will come to an end at Zeedijk. Continue straight past the small corner store (red awning) and you'll find the NH Barbizon Palace Hotel next door.
3. Hotel staff will direct you to the underground corridor which leads to St. Olof's Chapel.

## Session Descriptions (alphabetical order)

### **A350 Entry into Service - Case Study S1000D & Spec 2000 Ch. 15**

Airbus A350 is one of the next generation aircraft types that have their technical documentation in S1000D format and support SPEC2000 Chapter 15 standard delivered parts list. Finnair is among the first customers to take A350 in service and the first customer to utilize both of these standards from the very first delivered aircraft. At the entry of a new aircraft type, there is a challenge in getting its data in the maintenance information system before the first aircraft begins its commercial operations. The speaker will share Finnair's experience in tackling this challenge with the help of S1000D and SPEC2000 Ch 15 data.

### **A400M TID - Advance Copy S1000D**

In S1000D, the Common Source DataBase (CSDB) concept considers among others, the following objectives:

- Support the technical publication process
- Support the controlled authoring

But what happens if industry has to deliver a data module in advance (AOG/Safety/Operability issues)? Do we have a standard & controlled process? The aim of this presentation is to raise awareness of the need to publish/distribute technical publications between agreed scheduled revisions and to cover this gap.

### **A day in the life of an S1000D project from start to publish with EAGLE Publishing System**

This demonstration will show the EAGLE Publishing System being used to develop an S1000D manual from the ground up. A new project and data modules will be created and authored with the EAGLE editor. LSAR task and parts data will be used to automatically populate procedural and IPD data modules. A Publication Module will be used to publish the data to an IETP and PDF document.

### **ADAM suite tools for S1000D and ATA2300**

ADAM suite proposes a global environment to Check, Author, Manage, Publish and View S1000D and ATA2300 technical data.

ADAM Author lets you easily author rich, structured and modular content for documents using a tool specially designed to provide authors with the comfort of a standard word processor.

ADAM Manager is a CMS (content management system) perfectly adapted to the management of your XML data modules, specially made to offer documentation managers ease of use of a state-of-the-art web interface, leading to considerable productivity.

ADAM Publisher helps you generate your multi-channel publication. This highly configurable generator allows you to easily aggregate and transform all types of content source depending on your criteria, and distribute them.

ADAM Viewer is a highly interactive web viewer for S1000D 4.1 (IETP Class 4) documentation, designed to provide your clients with access to your own S1000D 4.1 e-documentation via a "ready-to-use" web portal

ADAM Data Checker is an online parsing tool that automates long and costly data control phases, such as specific batches of technical documentation, text and illustrations.

### **Aerosoft CMS / M&E product integration**

Aerosoft Systems Inc. (founded 1997) has both CMS and M&E systems. These are implemented individually and collectively, however our CMS DigiDOC is agnostic of M&E and it is integrated through standard API both with Aerosoft M&E (DigiMAINT and WebPMI) as well as third party M&E systems. The demonstration will show sample CMS applications and integration points.

### **A practical application of SPEC 42 : A LRU supplier's perspective**

This presentation will describe a real world application of how SPEC 42 was used to add a PKI-based security measure to an aircraft-ground communication product. The presenter will discuss the advantages of using SPEC 42 to address aviation-specific uses cases when implementing a PKI based solution.

## **Airbus Helicopters - Aircrew Data ATA 2300 Implementation**

This presentation will discuss Airbus Helicopters' implementation of ATA Spec 2300 for Aircrew data. Topics include:

- Methodologies, Study and guidance analysis process with author and M&T department
- Authoring from word to ATA 2300 revision 2015
- Advantages and inconvenients raised during the change process
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## **Aircraft Transfer Records - Spec 2500**

Spec 2500 is a major new specification introduced this year, with an update well along. This specification is meant to provide electronic XML formats for transferring a number of operational and maintenance records from an aircraft operator to a lessor or to the next operator. The ATRWG is well along in producing an updated version which will include the AD Status, Last Done Next Due Maintenance Status, Installed Parts Status, Repair Damage Status and SB Mod Status, along with an electronic Crate which can carry metadata and allow references within a status report to be tied to PDF or other formats of the detailed maintenance records. Come and hear an overview of the specification and a panel including operators, lessors and software providers discuss the specifications, the large savings to be incurred by implementing and other information about the project and specification.

## **An Introduction to the Civil Aviation Business Rules for Component Maintenance Publications**

With many new aircraft programs moving to S1000D for their technical data, component manufacturers have found themselves in the position of having to juggle competing technical data requirements for their S1000D publications. In order to alleviate that stress and provide a proper roadmap for the development of component maintenance data in S1000D, the ATA Component Maintenance Manual Subteam has spent the last 3 years developing Civil Aviation Industry standard business rules for the creation of component maintenance publications using S1000D.

The main objective of this presentation is to raise awareness of the Civil Aviation business rules and to give users the tools to get involved in the decision making process.

## **Augmented Reality, Digital Twin and S1000D**

In this session, the speaker will discuss how Augmented Reality and the Digital Twin are impacting traditional technical publications processes. The drive to use this technology raises some interesting challenges for OEMs and operators using A&D standards such as S1000D. Questions that we need to consider within the S1000D community include:

- Is S1000D equipped to support these new ways of creating, managing and delivering service information?
- How much does S1000D already allow for these types of technologies to be leveraged?
- Where are the intersection points between S1000D as it is today and Augmented Reality?
- How much would S1000D need to change to embrace these new technologies?
- What is going on in the specification community to enable these technologies?

## **ATA e-Business Specifications Overview**

This session is meant to provide a high level overview of all ATA e-Business Specifications found throughout Spec 2000, iSpec2200, Spec 2300, Spec 2500, Spec 42 and the Civil Implementation of S1000D.

## **ATA iSpec 2200 and S1000D technical illustrations with the power of CorelDRAW® Technical Suite**

Discover how CorelDRAW® Technical Suite with Lattice3D Studio CAD form a complete suite of applications to help technical communicators transforming 3D CAD to high-quality, ATA iSpec 2200 and S1000D compliant technical publications. Create projects quickly by accessing and repurposing technical assets from various sources, benefit from dedicated illustration tools, and exchange files with colleagues and clients with import and export capabilities to a broad range of file formats, including WebCGM, SVG, DWG, 3D-PDF, and more.

## **Authoring Cockpit – Simplification of authoring by integration of existing business environment**

A project with the focus on “Database Oriented Authoring” for the different types of data modules based on S1000D was initiated in Airbus Defence and Space, Technical Information and Data (Combat A/C). The goal of this project is the development of a concept containing requirements and definitions for a new data management and graphical user interface (GUI) in the perimeter of production and update of technical publications.

This presentation provides comprehensive information about the project and is based on the following structure:

- Introduction into the project background
- Concept
- Current status/Achievements within the project
- Outlook
- Questions/Answers

## **Challenges of supporting ATA and S1000D in a single System**

In this session, Ian Boulton of PTC will discuss the complexities and challenges of supporting multi spec technical information (S1000D and ATA iSpec2200) in a single software solution. This seminar talks about some of the differences between ATA and S1000D, and what that means for software solution providers. Many commercial operators now operate mixed fleets of aircraft that contain both the traditional ATA datasets as well as new S1000D datasets for latest generation of Aircraft. Consequently, operators and OEMs are increasingly looking for one system to manage multiple specifications and requirements.

## **Comply with ASD-STE100 with HyperSTE Content Checker**

When you have an S1000D requirement, you may very well also have to comply with ASD-STE100, Simplified Technical English (STE). Etteplan has been providing STE implementation services close to 20 years, part of which is HyperSTE, the leading Content Checker software to ensure compliance. During this product demonstration, we'll not only demo HyperSTE, but also provide insight into what an implementation of STE entails, including training of authors and adding company and industry terms on top of the ASD-STE100 dictionary.

## **Comprehensive S1000D Support with CORENA Suite**

The CORENA Manufacturer Solution by Flatirons helps manufacturers to ease the flow of technical content, improve product value, and generate more after-market revenue.

CORENA Manufacturer is the standard of excellence for the majority of the world's leading jet turbine manufacturers, as well as leaders in energy and transportation. Our solution allows OEMs to deliver enhanced value to program partners, and end-customers in the field through full Content Lifecycle Management (CLM) capabilities supporting multiple content specifications and delivering formats through a single-source system.

CORENA Manufacturer is designed to reduce the complexity of technical CLM systems and satisfy the multi-spec information standards of new generation original engine manufacturers. Aerospace and Aviation OEMs exist in a dynamic world of challenging information management issues. Flatirons revolutionizes your organization's technical CLM.

The CORENA Suite by Flatirons is the leading content lifecycle management (CLM) solution developed specifically for organizations that rely on mission-critical data to design, manufacture, operate, or maintain complex assets over their product and service lifecycles.

The components of CORENA Suite used as part of the CORENA Manufacturer solution include:

- CORENA Studio for WYSIWYG authoring
- CORENA Insight for guided best practice workflow
- CORENA Knowledge Center for component content management and reuse
- CORENA Pinpoint for viewing optimized for desktop / laptop
- CORENA eTaskcard for mobile, paperless Tech Ops

## **Configuration Data Exchange - Scope and Challenges**

Tracking the configuration of each In Service aircraft (and its major components) and ensuring it complies with the allowed configuration is a major challenge for Operators. It requires both in-depth management of configuration data within their Information System and multiple exchanges of this data with the different aviation industry stakeholders, i.e. at aircraft delivery from the OEM to the Operator, in case of A/C transfer from an Operator to another one.

The ATA e-Business Configuration Management Working Group (CMWG) is developing a brand new specification, Spec 2400, which will explain the overall configuration management process and the positioning of the different data exchange standards dealing with A/C configuration, while ensuring consistency between these standards.

This presentation will start with a detailed description of the different configuration data axes to be managed:

- Actual (or As-Flying) configuration versus Allowed (or Authorized) configuration
- Configuration expressed in Parts installed on A/C (and its major components) positions versus configuration expressed in Modifications embodied on A/C (and its major components)

It will then focus on the different exchange use cases for these configuration data and will give a detailed status on corresponding exchange standard availability or development planning.

## **Converting technical information from S1000D issue 2.0 into issue 4.0.1: A case study**

For the Saab Gripen fighter program, Saab had been using S1000D issue 2.0 since 2004. In 2012, Saab decided to convert all issue 2.0 information into issue 4.0.1. The main objectives for this decision were to benefit from new functionality obtained in issue 4.0.1 with focus on parts data.

This presentation will show how this conversion project was outlined and how the work was done, describing activities such as

- Defining the differences between issue 2.0 and 4.0.1,
- Outlining project business rules and BREX (incl. reuse of central- and repository data and new applicability concept etc.),
- Creating conversion scripts,
- Quality assurance matters and
- Transition of data into full production.

## **Database Oriented Authoring for Maintenance Planning information based on S1000D**

The presentation provides information how Airbus Defence and Space, Technical Information and Data - Combat A/C is dealing with Maintenance Planning information in the area of technical publications in a Database Oriented Authoring environment independently of data modules (scheduled data modules based on S1000D are only one possible export product). The presentation will touch on the following topics:

- Customized definitions (for MP information based on S1000D)
- Technical concept (for Database Oriented Authoring in the perimeter of MP information)
- Main use cases (for MP information in a Database Oriented Authoring environment)

## **Electronic Part Certification solution – eCERT/APP for SAP ERP**

eCERT for SAP ERP and the new mobile APP is the solution to enable electronic part certification within your SAP ERP landscape and business process. eCERT/APP for tablets and mobile devices supports the quality responsible in the daily verification and signature process. eCERT/AddOn with the eCERT management tool provides integrated functionality to process XML certificates in line with ATA SPEC2000 Chapter 16 standard to allow simple exchange with your partners and storage of certificates.

## **Finding the Right Balance Between Automated and Visual QA**

When converting or migrating your data to XML, finding the right balance between automated and manual QA will provide you greater assurance while keeping costs down. To the extent you define clear, software can often do your checking more quickly and consistently than humans can. However, some rules require a bit of thinking or visual review that might be too difficult to implement by software. During this presentation we will discuss how to develop a QA plan that makes sense and show examples of how rules can and should be implemented.

## **How to Accelerate S1000D Implementation by Slowing Down**

S1000D users often voice concern about the following challenges they face:

- S1000D is too complex to understand and implement,
- It takes too much time to implement,
- There are too many players involved (which intensifies bullets 1 and 2).

The presenter will demonstrate concrete examples of how anthropological and new marketing techniques sharpen the awareness of the circumstances at hand for S1000D implementing programs and organizations and allow both to accelerate and make the processes of business rules definition, communication between partners and the overall S1000D implementation process, much more efficient.

## **IATA Paperless Operations Update**

The IATA Paperless Operations Initiative is focused on identifying areas of improvements in operations that come as a result of removing paper from the system. This presentation will provide an update on areas of focus, and what IATA and its associated teams are doing to reduce the roadblocks to implementing these improvements.

## **Inmedius® Spectrum™: An Enhanced Enterprise-Wide Architecture for the Full S1000D Documentation Lifecycle**

CDG recently introduced enhancements to the Inmedius® S1000D Publishing Suite, which leverages Inmedius® Spectrum™ – a browser-based, scalable architecture for management, authoring, and publishing of very large sets of technical data for multiple aircraft across commercial and defense programs. An intuitive interface enables WYSIWYG views, drag and drop content navigation and editing, and touch screen displays. Spectrum enables a cloud-based environment if required, and the Inmedius S1000Dprism™ viewer module provides a mobile device option for iPad users in the field.

## **Libroplanta S1000D XML Editor specially designed to comply with S1000D requirements**

Libroplanta S1000D XML Editor specially designed to comply with S1000D requirements. Libroplanta S1000D XML Editor uses WYSIWYG principle to ensure easy and quick editing technical documentation in S1000D format. A wide range of built-in options automatize the development of technical documentation. Main features include:

- Specific smart-tags to search and auto-markup references, acronyms, units of measure, etc.
- Hotspots validation
- Changes auto-markup
- On-the-fly BREX checking
- Specific dialogs for internal and external references
- Pretty view with marking of applicability, changes info, etc.
- Paste content from MS Word

## **Maintenance Execution Data Exchange**

The ATA e-Business Maintenance Execution Working Group is developing a new, detailed specification to allow for XML exchange of Maintenance Work Scope / Work Package / Task data to a Maintenance Provider as well as receive back maintenance completion records. This presentation will provide an update on progress and highlight how operators and MRO's can gain efficiency gains by understanding and adopting this industry standard.

## **Managing a Common Dataset for Multiple Customers, “The Master-Customized Concept”**

Civil and military projects may sometimes utilize a common dataset, where data is leveraged across multiple customer deliverables. In these situations, it is critical to have a clear data control strategy in place to ensure each customer receives only that information applicable to their product configurations, based on customized data module instances generated from a master source. This strategy is often referred to as the master-customized concept.

This presentation shares what is needed to effectively manage and configure common data for multiple customers. Topics will include the rationale for adopting the master-customized concept, how to create an applicability model and annotations to support customer-specific product configurations, and how sensitivity filtering can be used to generate DME data module instances for customer-specific deliverables. It will also cover the mechanisms used to optimize the content management and reuse of data modules, including CIRs, Alternates, and Container Data Modules, and will address the publishing process for customer-specific deliverables.



## **Material Supply as link between different IPS-/ILS-disciplines**

The HICO iLS.Suite® supports the management of different IPS/ILS-disciplines like Design Interface, Supply Support and Provisioning, Maintenance-Planning, -Management & -Improvement and Technical Data (Technical Documentation).

The product presentation shows how material-related data can be managed in the HICO iLS.Suite® as central IPS-/ILS-repository and integrated processes of the various IPS/ILS-disciplines. In this presentation, both internal and external processes based on qualified interfaces are considered against the background of the ASD Suite of ILS-specifications and the ATA e-Business Program. The integrated Change and Configuration Management allows the controlled and standardized data exchange.

## **MDDV “The Game Changer IETM”**

**Any page is a second away!**

American Data Solutions (ADS) revolutionizes military and aerospace technical data.

MDDV is widely considered as the ‘Game Changer IETM’.

Full support for S1000D (all issues, including 4.2).

- All major operating systems (Windows, Mac, iOS, Linux, Android)
- All major browsers (IE11, Edge, Firefox, Chrome, Safari)
- True zero-footprint
- Super search – fastest, comprehensive, intuitive
- Super-fast – any page is a second away!
- Digital wiring – integrated
- Certified for AF Network
- Multilingual interface
- Visual Search

## **Merging Technical Data from Two Operator Systems**

When two operators merge and have different base systems, much complexity arises. This presentation presents the real world issues of the Delta/Northwest merger of their technical information systems, and reviews strategy and provides helpful advice on minimizing the impact.

## **Migrating data modules to new versions of S1000D**

Companies often must deal with legacy data inherited from old projects. At some point in time it gets more expensive to keep the old production environment alive than to update the storage format.

Studec has managed to update data modules from several versions of the S1000D or derived DTDs/schemas to newer versions up to 4.1 in an automated way. The presentation explains the way to manage such a migration, problems found during the process and how to address them.

## **MRO Implementation of M&E IT Systems - Case Study**

One of the most complex tasks facing an engineering department today is the ongoing tasks to accurately transform and setup all of the as delivered aircraft configuration and all maintenance requirements into the Enterprise Maintenance Information System (MIS) as an enterprise data that will be transacted through the aircraft lifecycle.

This presentation sets out a series of perspectives, lesson learned and actions in implementation of CMS and it’s integration to Enterprise MIS which can help key stakeholders and enterprise leadership to manage and avoid several challenges and also applied several critical success factors that highly contributed to the success of the initiatives.

## **ONE View, ONE Team with the OneStrand TDM Portal**

Do you need to optimize the creation and delivery of technical data from your suppliers to your customers? Would ONE commanding view of all supplier in-work and completed documentation save you time and money? Join Tammy from OneStrand to see how the OneStrand Technical Data Management (TDM) Portal and desktop tools can transform you and your supplier’s authors into ONE powerful collaborative force. In the cloud or at your site, create, manage and deliver customized IETPs and high quality PDF on demand with the OneStrand TDM Portal.

## Overview of the changes in S1000D Issue 4.2

This presentation will describe the changes that went into S1000D Issue 4.2, including:

- The overall approach (Packages, % content change per package, etc)
- A top-level breakdown of the Change Proposals
- More detail on some of the Changes (eg, New Schemas, security, BRDP support, etc)

## Product Lifecycle Management (PLM) Architectures and S1000D: Support for Technical Training Content

Technical training curriculum is the "forgotten technical data" that S1000D can easily support. The birthplace of technical training and technical documentation originate in the same phase: maintenance task and supportability analysis. However, current training development processes start after a technical manual is published and distributed. These practices leave training in a constant state of latency. Product Lifecycle Management (PLM) systems, together with S1000D, can ensure that all training materials are part of a system's "digital data thread". Training can be configured directly to a system's engineering drawings. This presentation provides a picture of the PLM conceptual architecture, where training fits into that architecture, and an overview of a three-part U.S. Navy project to support the training enterprise with a PLM solution.

## PTC Service Solutions for Aerospace and Defense

In this session, Ian Boulton of PTC will provide a product demonstration of PTC's software solutions that are applicable to the Aerospace and Defense Service/Sustainment Industry. Topics will include Interactive 3D illustrations and Animations, S1000D Technical Data, and Interactive delivery including the use of Augmented Reality (AR).

## RFID – Spec 2000 Implementation and new Active Tag Approval

This presentation focuses on implementations that are currently being accomplished using Spec 2000 Chapter 9-5 as well as new information about opportunities with new battery assisted and active RFID tags.

## s1000dimpl.org : the new open source project implementing S1000D

The presentation steps are:

- Studec: a technical data authoring company implements its own tools
- Publication Software: WEBXML™ S1000D intended for MoD, S1000D 2.3 and 4.1
- Associated services: data migration, S1000D publication customization, ATA publication customization, trainings, end to end project authoring
- New authoring software: the open source S1000D implementation version 1 is an XML editor for SMB or equipment manufacturers

## S1000D 1.8 to 4.1 conversion: a real case

The natural evolution of the international specification S1000D to excellence entails an upgrading rhythm that normal products (A/C programs) do not require. Nevertheless, in some occasions aerospace Industry needs to upgrade their Technical Publications to develop new products or meet some new contractual obligations (3D, animations, systems tracing, etcetera).

This presentation provides a general view on how to build an automatic process to convert C-295 Technical Data from S1000D 1.8 to 4.1, while enriching the output as much as possible in order to incorporate new concepts developed by the ASD S1000D standard through these years and better exploit the data.

Topics include:

- S1000D 1.8 limitations
- Process definition
- Main challenges

## **S1000D Council & Steering Committee Report**

This is a report on the S1000D Council and SC activities and plans for future activities.

The Council report will include:

- Changes in administration matters (Organization including member changes, Rotation, etc)
- Vision, Mission & Goal (Review based on CPTT/SMTT activities – if any)
- Community support interest being shown (eg, NSPA, other interests Finnish, China, etc) and the Council's approach to dealing with these issues
- New processes and procedures to support, for example, new membership applications, Intellectual Property Agreements and Memorandum of Understanding, etc
- Download statistics (Unless Brad was planning to cover this)

The SC report will include:

- Steering Committee organization
- S1000D Roadmap
- S1000D Issue 4.2
- Top level changes
- Late uploads (BRDP Index, BRDP relationships, DD, etc)
- Next Steps
- Extant CPFs
- Change Process Update
- Modularization Update

## **S1000D Requirements for Product Lifecycle Management**

This presentation will discuss essential content and structural elements for successfully conducting a feasibility study that determines the best choice for selecting S1000D solutions that meet requirements in a product lifecycle management (PLM) system. Based on an actual study led by Wayne Gafford on behalf of a Defense Business System Tier IV joint services program based at the Port Hueneme Naval Surface Warfare center in southern California, the audience will learn about the "level of support analysis" through an examination of eight transferable use cases, twenty six functional requirements and the evaluation methodology used in the study.

A discussion of each use case will show the importance of determining S1000D requirements and how best to evaluate potential solutions. The audience will take home a S1000D feasibility study template that structures the report into sections that maximizes the information necessary for selecting a course of action.

## **S1000D Actors**

Note: In this presentation, S1000D users and their organisations are called S1000D actors.

Due to different business requirements, S1000D is offering many different ways for projects to create, manage, deliver and use their technical publications data. Consequently, S1000D has grown exponentially in volume and complexity. This complicates its implementation by projects considerably as well as sometimes discouraging acceptance by the S1000D user community. S1000D has developed a number of mechanisms, such as business rules, that aid its implementation, however, these mechanisms do not cover the all aspects of its implementation that is faced by the community. Business rules and their development and implementation are a feature of the overall S1000D specification that are intended to support and make implementation easier.

Various organizations and projects implement S1000D in their own ways. These implementations differ considerably from each other. In this paper we introduce the term actor to define the user community. There are certain aspects which are common for various organizations and projects. These common aspects can be identified by considering groups of actors on the communities', organizational and role levels in which they are part.

The briefing will discuss the various actors that S1000D Business Rules Working Group (BRWG) sees emerging for S1000D at communities', organizational, and individual role levels as well as the relationship between these.

## **Seamless Data Exchange Evolution**

eWINGZ sees its mission to contribute to the Standards to enable seamless digital data exchange within the industry. Decentralized processes backed by Blockchain technology will allow the industry to collaborate on a new level of trust and quality. We welcome you to be part of this evolution, follow us and feel the Spirit which moved the Wright Brothers reaching out to the Sky.

## **Securing your Data - Spec 42**

The speaker will present an overview of ATA Spec 42 and highlights of recent publication and plans for upcoming work to be incorporated into the standard. This presentation will also discuss the value and use cases associated with Digital Security and will highlight other related standards work.

## **Simplified Technical English as part of an S1000D implementation, and the impact on Augmented Reality and IoT strategies**

When S1000D or ATA iSpec 2200 becomes a requirement, it is very likely there will also be a requirement to comply with Simplified Technical English (ASD-STE100). Based on 20 years of experience in implementing ASD-STE100 with numerous companies, this session presents real, practical insight in what steps are involved, what challenges occur, how to deal with legacy data and more – in order to ensure the implementation process – in combination with S1000D – becomes a smooth one. Furthermore, we will discuss the role of STE in implementing Augmented Reality and IoT strategies.

## **Simplifying the Content Creation, Management and Distribution Challenge with Mobile-first Solutions**

As a thought-leader in aviation, Comply365 will share how its mobile-first technologies are empowering and connecting a digital workplace. See how Comply365 is breaking down data siloes and bringing speed, agility and a great user experience to content authoring, the revision process and distribution. See how this game-changing solution can impact your business.

## **Solution of WDM (Wiring Diagram Manual) automatic generation**

Generally, WDM is page-oriented. If we want to check the complex line relationships in it, we usually have to carefully review the multi-page information, which is both a waste of time and subject to error.

Fortunately, a type of data module (wiring data module) is specifically defined in S1000D, which can be used to describe the line relationship. However, if you want to use the wiring data module schema to describe the wiring diagram, the process will be very complex. This means you have to spend a lot of time in using a large number of XML elements and it is very error-prone. At the same time, even with the XML editor to generate the corresponding XML documents, there is no corresponding Viewer to display these interactive electronic diagrams.

To solve the problems mentioned above, CAPE carried out a large number of research and software development work on civil aircraft WDM automatic generation. We have had a number of key technologies and developed a dedicated visual editor and viewer.

## **Spec 2000 Next Generation Procurement**

This presentation will describe the work to date of the Spec 2000 Procurement Extension Project Team. The following points will be covered:

- Identified shortcomings of current CAM and XML formats
- Motivation to break through legacy barriers/Why now
- Team formation
- Survey/pain points/wish list
- Quick wins – field lengths and make up
- New message schemas
- Key features and advantages
- Next steps

## **Spec 2000 Reliability**

The speaker will provide an overview of Spec 2000 Chapter 11 and Chapter 13 Metrics available and the advantages of using SPEC2000.

## **Starting from scratch – Moving FAASTARS to S1000D**

The Federal Aviation Administration (FAA) decided to move their documentation of the air traffic control system STARS to S1000D. This step was mainly motivated by achieving a faster turnaround time for updates, better consistency of the information, and independence of proprietary systems. This presentation focuses on how the project was performed and its lessons learned.

Since there was no internal know-how with regards to S1000D, the FAA decided to perform a proof of concept (POC). The approach and the main challenges met in this POC will be presented and discussed in more detail, including:

- Initial Situation
- Challenges
- Approach
- Project Implementation
- Lessons Learned

## **Taking the complexity out of starting a S1000D project with Adobe FrameMaker and Eclipse S1000D**

S1000D is often, wrongly, perceived as a complex and costly project. Mekon will show how with the right tools it is possible for SMEs to work with S1000D in a cost-effective way which will provide key capabilities with options for growing their systems. Mekon will demonstrate their Eclipse S1000D application for Adobe FrameMaker, highlighting the additional functionality and other tools in the Eclipse product suite that can help produce both print and electronic output.

## **UltraCSDB; Innovative and integrated commercial, off-the-shelf Content Lifecycle Management solution for ASD S1000D, ATA iSpec 2200 and Legacy Projects**

UltraCSDB is a comprehensive and powerful S1000D Common Source Database (CSDB) which provides centralised management for content creation, workflow, storage, retrieval, data re-use, IETP/IETM & PDF publishing, customer's subscription and content delivery. UltraCSDB integrates with a set of WebX tools to provide streamlined authoring and publishing of S1000D data modules and ATA iSpec 2200 tasks and document subscription portal for complete management and delivery of online and offline IETP and PDF technical publications.

## **Using Reliability Metrics**

Southwest Airlines Tech Ops Reliability department found themselves in a place where they were data rich and technologically poor. Most of their applications were developed years ago in antiquated applications, which when their fleet size was smaller worked well. As Southwest's fleet size grew and as they became more and more data rich they found themselves in desperate need of new applications that would allow management to make better educated decisions in a timely manner and analysts to spend more time doing analysis and less time trying to make outdated applications fit new business needs.

The speaker will present the problem statement and where they were at with their data analytics tools. From there he will discuss the development process of ORION, as well as examples with Southwest's Airplane Reliability Index and Component Details tools.