

## ***S1000D Users Forum 2010***

***“Application of S1000D within a state-of-the-art Integrated Logistic Support environment”***

**September 27 - September 30, 2010  
Aerostar Hotel, Moscow, Russia**

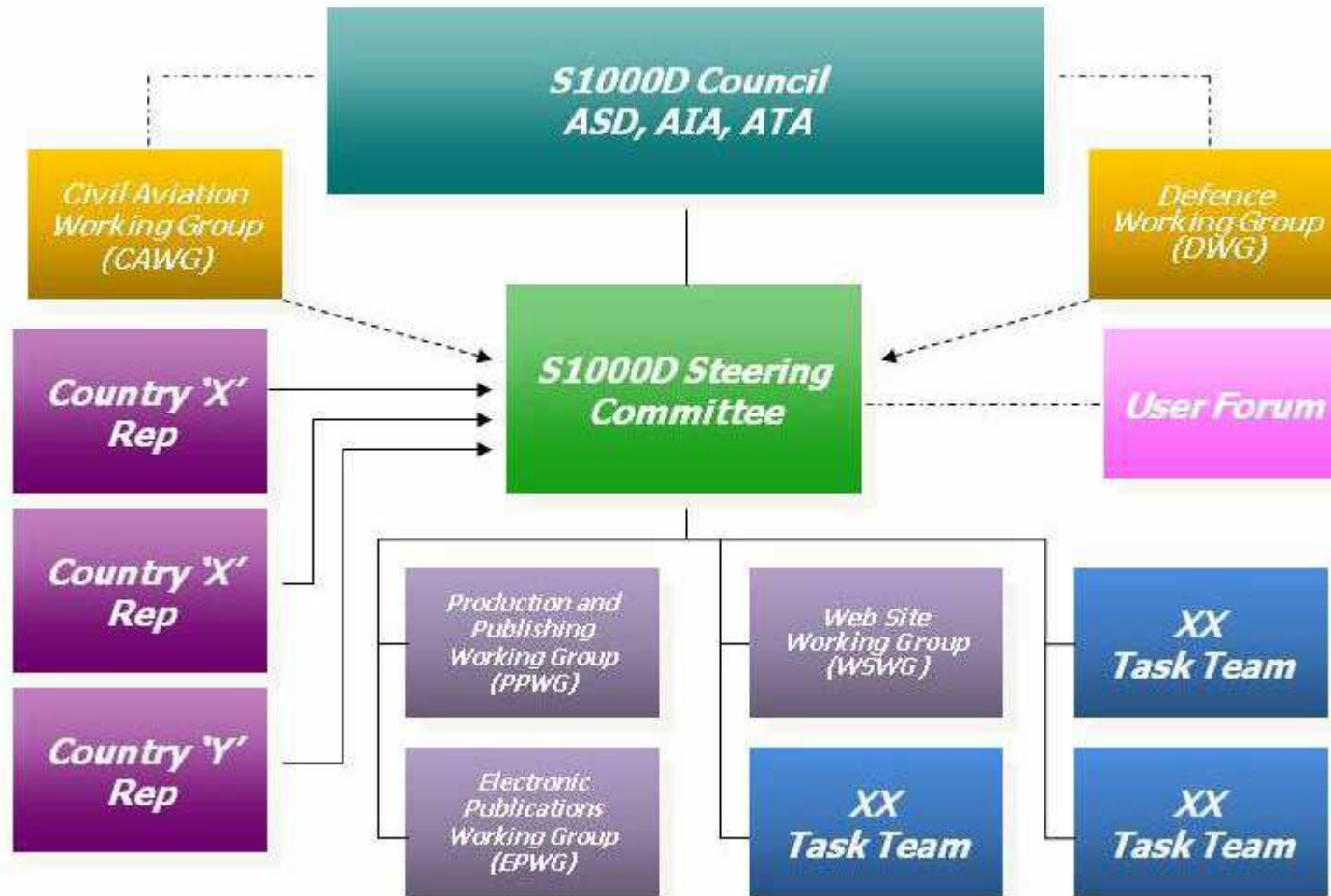
***Обзор рабочих групп комитета по разработке S1000D  
S1000D Working Groups and Task Teams Overview***

***Dmitry Zanozin  
CALs R&D Center “Applied logistics”***





# S1000D International Organization





## S1000D Council

- Formed from the MoU signed between ASD, AIA and ATA
- Role
  - Provides the vision for the specification
  - Overall administrative management
  - Direction to the Steering Committee
  - General promotion of the use of the S1000D
- Officers
  - Chair: Dennis Raitz, AIA
  - Vice Chair: Brad Ballance, ATA
  - Secretary: Peter Zimmermann, ASD



# S1000D Steering Committee

- **Role**
  - Maintain the currency of the specification
  - Processing Change Proposal Forms
  - Plan “Issue” Releases
- **Officers - Current**
  - Chair: Jan Haslam, Lockheed Martin
  - Vice Chair: Michel Domeon, Dassault Aviation
  - Secretary: Mike Day, Rolls-Royce
- **Officers – New**
  - Chair: Andreas Schuetze, Airbus
  - Vice Chair: Dennis Hoyland, United Kingdom
  - Secretary: Jan Haslam, Lockheed Martin



## Working Groups (1)

- Civil Aviation Working Group
- Defense Working Group
  - Ensure that defense requirements are articulated on
  - Ensure that S1000D continues to meet the needs of global users of defense products



## Working Groups (2)

- Production and Publishing Working Group
  - Production and Publishing Editing Task Team
  - PDF Publishing Task Team  
Chair: Paul Haslam, United Kingdom
- Electronic Publications Working Group
  - Data Dictionary Task Team
  - Multimedia Task Team
  - New Technology Task Team
- Web Site Working Group



# Production and Publishing Working Group

PPWG

On behalf of the PPWG Chair Paul Haslam, UK



## PPWG - Responsibilities

- Report to Steering Committee
- Responsibilities:
  - Change Proposal Form (CPF) progress
  - Chapter work
  - Editing
  - Publishing





## PPWG - CPFs

- Monitor the progress of CPFs
- Encourage CPF owners to do their work
- Level the CPFs in terms of complexity, level of effort required and workload
  - Level 1 – Simple updates to chapters
  - Level 2 – Updates to chapters that involve simple schema changes
  - Level 3 – Updates to chapters that are completely associated with complex CPFs



## PPWG – Chapter Work

- Level the chapter work based on the level of CPFs that affect those chapters
- Establish a Forum for chapter work
- Establish the schedule of chapter review meetings
- Negotiate with chapter owners for the allocation of chapters to review meetings
- Encourage chapter owners to update their chapters in time for their scheduled review meetings
- Conduct review meetings



## PPWG – Editing

- Edit individual chapters and agree any changes with chapter owners
- Continue editorial monitoring as chapters progress through publishing



## PPWG – Publishing

- Convert chapters into individual PDF files with internal links activated and agree any changes with chapter owners
- Combine all individual PDF files into a single PDF file with all inter-chapter links activated and agree any changes with chapter owners
- Provide final PDFs to the SC/Web Site Working Group (WSWG) for uploading to the S1000D website



# Electronic Publications Working Group

EPWG

Chair: Ryan Augsburger, Boeing



## EPWG

- Responsible for the definition of Electronic Technical Publications and Interactive Electronic Technical Publications
- Manage the XML Schema and DTD definitions for Data Modules and all relevant electronic aspects of the Specification (i.e., graphic standards, exchange procedures)
- 3 Task Teams: MMTT, NTTT, DDTT



## EPWG – Scope of work

- To prepare change requests to the Specification concerning advances in information technology aspects
- To analyze change requests concerning information technology aspects as directed by the Steering Committee and provide appropriate recommendations back to the Steering Committee
- To define functional requirements for the generation, compilation, distribution, retrieval and interaction of electronic technical data
- To evaluate the impact of technical changes on S1000D chapters as necessary
- To prepare recommendations for the presentation of electronic technical data



## MMTT - Purpose

- **Multimedia Task Team**

Chair: Ian Proctor, Continental DataGraphics Ltd

- **Purpose**

- To investigate, and advise the EPWG on, potential multimedia types, formats and related technologies that may be relevant to S1000D
- To look at enhancements to the current multimedia solution with a view to improving both standardization and interoperability, and to make recommendations as to the adoption of such enhancements, types, formats and related technologies
- The Multimedia Group is authorized by, and reports to the EPWG





## MMTT - Scope of work

- Scope of work
  - The Multimedia Group is authorized to investigate:
    - what parties have an interest in multimedia within S1000D
    - any known customer requirements with a view to assessing the viability of such requirements
    - what multimedia types and enhancements would be useful to those parties and S1000D
    - possible multimedia enhancements and solutions
    - data exchange formats for Multimedia with particular emphasis on established standards
    - commonality of solutions with the ATA Graphics and Multimedia Project Team (GMPT).
    - best practice for management of multimedia.
  - All the above to be carried out with particular emphasis on established multimedia standards



## MMTT - Goals

- Goals
  - To produce better guidance on the use of Multimedia. – including best use of color, audio, video and 3D models
  - Provide examples of how multimedia can be used
  - Introduce metadata to enable better control and configuration control/management of multimedia of multimedia objects



## MMTT - CPFs

- To date the MMTT has raised the following CPF's:
  - 2007-085S1 - Use of Dynamic and Authoritive 3D Data in S1000D
  - 2009-021S1 - Addition of Multimedia Metadata
  - 2009-030S1 - Multimedia Guidance Error - Hotspot/Parameter
  - 2009-031S1 - The Use of Color in 3D Objects
  - 2009-032S1 - Update chapter 3.9.2.4
  - 2009-121S1 - Merge Figure and Multimedia into a single ICN Object
- The following CPFs also affect the MMTT work:
  - 2009-014S1 - Support for SCORM Runtime Environment in S1000D
  - 2009-017S1 - Transcript on Multimedia



## NTTT - Overview

- The New Technology Task Team  
Chair: Charles C. Cartwright, PTC
- Purpose
  - Identify emerging technologies / standards that offer improvements or opportunities for enhancement of S1000D through their use and implementation
- Scope of work
  - Investigate benefit of
    - ISO developments and efforts
    - W3C developments and efforts
    - Other new and emerging technologies and standards



## NTTT - Last efforts

- Excluded from the scope technologies and standards (since they are cared for by other task teams)
  - PLCS / STEP
  - ADL-SCORM
  - S2000M / S3000L / S4000M / S5000F / SX000I
  - CGM and other graphic / multimedia standards
- Last efforts
  - Reports and discussions on WSDL (Web Services Descriptive Language) and OWL (Web Ontology Language)
  - Results: nothing to contribute to the S1000D
  - Schematron was reintroduced as a potential replacement for BREX



## DDTT

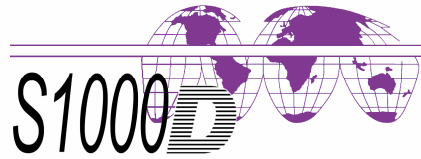
- **Data Dictionary Task Team**  
Chair: Gerrit Lillig, Germany
- **Business Case**
  - Provide the S1000D community with a tool, that allows everybody to look up definitions for attributes and elements very quick
  - Side effect: Quality assurance for the specification throughout production process
- **Restrictions**
  - No changes to existing definitions allowed
  - Just extract the definitions out of the chapter text
- **Status**
  - Data dictionary for 4.0 is almost completed
  - Technical solution for display is not agreed yet



# Web Site Working Group

WSWG

On behalf of the WSWG Chair Paul Conn, ATA



# Web Site Working Group



- Established in March 2008
- Objective
  - Manage the development, deployment, and maintenance of S1000D web sites on behalf of the S1000D Council and Steering Committee.
- The Official S1000D web sites:
  - Public site ([www.s1000d.org](http://www.s1000d.org))
  - Working group site ([members.s1000d.org](http://members.s1000d.org))
  - CPF Viewer ([cpf.s1000d.org](http://cpf.s1000d.org))
- Web sites administered by Air Transport Association





# Web Site Working Group



- Current Projects
  - CPF Viewer enhancements
    - Complete rebuild
    - Increased reliability
    - Improved user interface
    - Enhanced functionality
  - Directory of Solution Providers
    - Searchable by product/service categories
- For more information:
  - WSWG Chair: Paul Conn, ATA (pconn@airlines.org)

**[www.s1000d.org](http://www.s1000d.org)**



## Other Task Teams



ATT

- **Applicability Task Team**  
Chair: Ian Hill, Rolls-Royce
- **Objective**
  - To co-ordinate the development of the Applicability concept to ensure that the methods of creating, maintaining and using Applicability information is both manageable and practical for data creators and data users



## CMPTT

- **Component Maintenance Publications Task Team**  
Chairs: Marshall Short, Boeing; Christian Balanant, Airbus



## CCTT

- Conformance and Compliance Task Team  
Chair: Mr. Svante Ericsson, Corena
- Objective
  - Identify the set of aspects relevant to consider when S1000D conformance and compliance is concerned
  - For each such aspect, specify the necessary and sufficient criteria to which any considered process, data set, application etc must comply in order to be judged conformant and compliant to S1000D
  - A first set of criteria should be ready for inclusion in Issue 4.1
- Scope
  - Identify the areas, aspects, functions and features of S1000D that should be covered by conformance and compliance statements
  - For each identified case, write the statements defining conformance and compliance when S1000D is concerned
  - Suggest a suitable way to incorporate the conformance and compliance definitions into the S1000D suite of information



## GIPDTT \*

- **Generic IPD Task Team**  
Chair: Kevin Hendricks, Boeing
- **Purpose**
  - To create and to propose new XML-Schema documentation for generating, managing and delivering parts data that is based on a maintenance perspective instead of the current IPD's material management perspective defined by the S2000M documentation and related schemas



## IG&BRTT \*

- Implementation Guide and Business Rules Task Team  
Chair: Ms. Victoria Ichizli-Bartels, Corena
- Main task
  - Provide the first draft of the Implementation Guide (IG)
  - Be the chapter owners of the Business Rules (BR) and Implementation Guide (IG) related chapters and supplementary information in S1000D and [www.s1000d.org](http://www.s1000d.org)
- Responsible for
  - Advising the Steering Committee on all aspects of business rules and implementation guide
  - Creation and maintenance of the S1000D default BREX



LSHTT \*

- Learning Standards Harmonization Task Team  
Chairs: Wayne Gafford, ADL, Paul Haslam, UK





MTDTT

- Maintenance Task Data Task Team  
Chair: Leif Gyllstrom, SAAB



## SMTT

- S1000D Modularization Task Team  
Chair: Ryan Augsburger, Boeing
- Formed during SC09.00 in June 2010
- Goal: Restructuring S1000D using a modular approach
- Not affect the delivery schedule of Issue 4.1



## SBTT \*

- **Service Bulletin Task Team**  
Chair: David Nilsson, Boeing
- **Objective**
  - To identify and to implement the changes to S1000D required to support service bulletin activities
- **Results**
  - New DM type in Issue 4.1



## TIRTT \*

- Technical Information Repository Task Team  
Chair: Ms. Audrey Fauconnier, Airbus
- TIR now CIR (Common Information Repository)
- Goal: To Create Information Repository for information such as the parts, circuit breakers, warnings, cautions, applicability annotations, abbreviations etc
- Special Data Module Type



***Спасибо за внимание!  
Вопросы?***

***Thank you for your attention!  
Questions?***

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