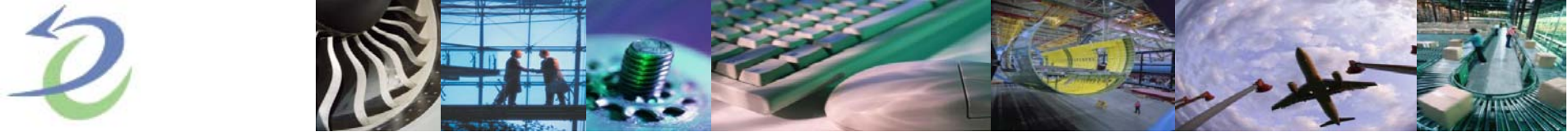


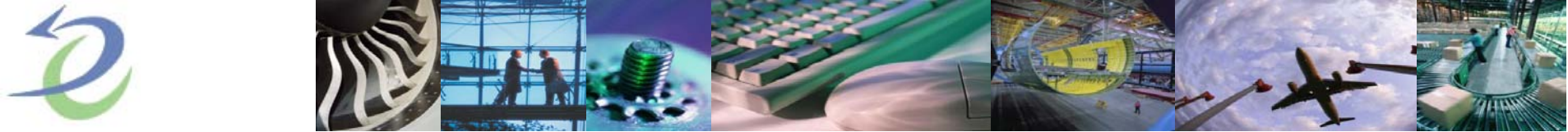
- ATA e-Business Specification Overview

Ken Jones, ATA
Paul Conn, ATA



Agenda

- Overview of the Suite of ATA e-Business Specs
 - **Spec 2000** - *E-Business Specification for Materials Management*
 - **CSDD** - *Common Support Data Dictionary*
 - **iSpec 2200** - *Information Standard for Aviation Maintenance*
 - Business Rules for Implementation of S1000D in the Civil Aviation Industry
 - **Spec 42** - *Aviation Industry Standards for Digital Information Security*
 - **Spec 2300** - *Data Exchange Standard for Flight Operations*



Spec 2000

ATA Spec 2000

*E-Business Specification
for Materials Management*

**REVISION
2009.1**



Spec 2000

■ Background

- Started as Spec 200 for Provisioning and Order Administration in 60's with punched card structure
- Later added "online" Type B messages for data exchange and computer tape for large file exchange (80's)
- Procurement Databases (1980's)
- Repair Order Administration (1990's)
- Warranty Administration (1990's)
- Delivery Configuration (1990's)



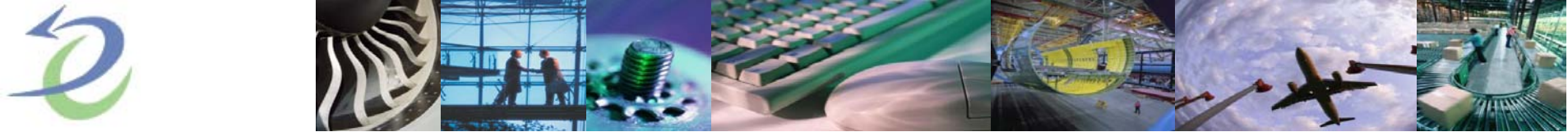
Spec 2000

■ Highlights

- E-Logbook Interoperability
- Regulatory Data Implementation
- Warranty Data XML
- Repair Data XML
- Metrics data exchange
- RFID on Parts, GSE and Shipments

■ Future Direction

- T-files or other Provisioning
- Additional Supply Chain Functionality



CSDD

ATA CSDD

*Common Support
Data Dictionary*

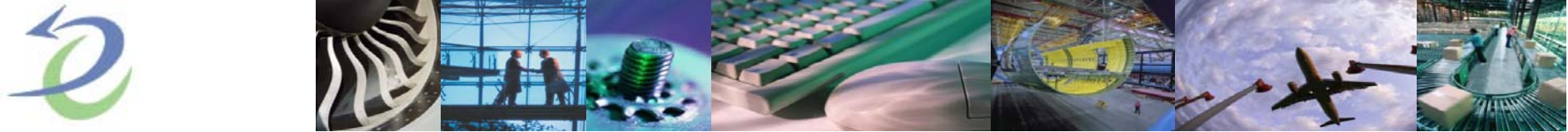
**REVISION
2009.1**



CSDD

■ Background

- The Common Support Data Dictionary was begun in the 1990's as a method of capturing all the various glossaries, technical dictionaries and usage requirements of the data elements described in Spec 2000
- Later, iSpec2200 and World Airlines Technical Operations Glossary and other ATA specifications were included



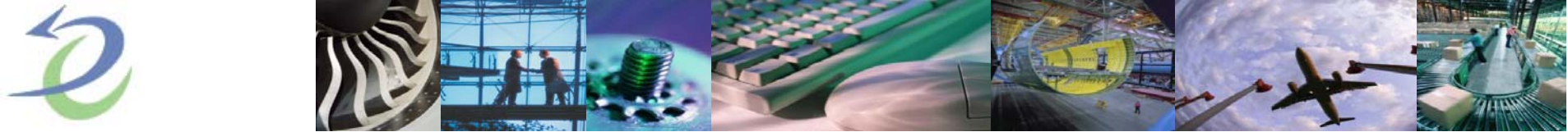
CSDD

■ Highlights

- 3800 + Definitions
- 9000 application entries
- Extracts by specification

■ Future Direction

- Better integration with XML Schema



iSpec 2200

ATA Spec 2200

*Information Standards for
Aviation Maintenance*

**REVISION
2009.1**



iSpec 2200

■ Background

- ATA 100 Originally Issued June 1956
- ATA 2100 Originally Issued June 1994
- Then, in March 2000....

100

+ 2100

iSpec 2200



iSpec 2200

■ Highlights

- Revision 2009.1 published in May 2009
 - Migration to PDF format
 - Continued harmonization with S1000D
 - New ATA Chapter 85 for Fuel Cell Systems
 - Updated several DTDs
- Revision 2010.1 due June 2010

■ Future Direction

- Continued maintenance of current functionality
- No major new functionality to be added



Civil Aviation Business Rules for S1000D

*Business Rules for
Implementation of S1000D
in the Civil Aviation Industry*

**REVISION
2009.2**



Civil Aviation Business Rules for S1000D

■ Background

- S1000D principle of project-specific decision points
- Developed by the CAWG Business Project Team
- First issue – 2009.1
 - Based on S1000D issue 3.0

■ Highlights

- Revision 2009.2 published in December 2009
 - Based on S1000D issue 4.0.1
- Next revision planned for mid-2011
 - Following release of S1000D issue 4.1



Spec 42

ATA Spec 42

*Aviation Industry
Standards for Digital
Information Security*

**REVISION
2010.1**



Spec 42

■ Background

- AFG Digital Certification Working Group launched in 1998
- DCWG joined ATA in 2002
- Recast as ATA Digital Security Working Group (DSWG) in 2005. Current officers:
 - Co-chair: Julien Holstein, Airbus
 - Co-chair: Jacqueline Knoll, Boeing



Spec 42

- Builds on open, established standards and technologies – Public Key Infrastructure (PKI)
- Establish industry-standard policies for issuance and management of digital certificates
- Provides comprehensive implementation guidance
- Initial issue of Spec 42 in 2008



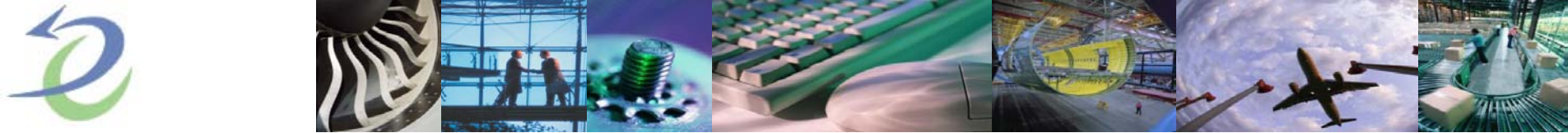
Spec 42

■ Highlights

- Published Revision 2009.1 and 2010.1.
 - Consolidated Certificate Policies
 - Added Implementation Guidance

■ Future Direction

- Continued work on the Certificate Policies
- Data Archiving Considerations
- Interoperability Guidance
- Common method for creating and validating digital signatures
- Risk Assessment Toolkit



Spec 2300

ATA Spec 2300

*Data Exchange Standard
for Flight Operations*

**REVISION
2009.1**



Spec 2300

■ Background

- Flight Operations Working Group (FOWG) launched in 1997
- Original goal – FCOM SGML DTD
- Renamed to Flight Operations Interest Group (FOIG) in 2005. Current officers:
 - Chair: Jason Bialek, Boeing
 - Vice-chair: Terrie Parsons, Continental Airlines



Spec 2300

■ Highlights

- Published Revision 2009.1
 - Included software Systems Description
 - Added DMs for Revision and Applicability metadata
 - Added new Chapter 5 – User Guide
- Revision 2010.1 – Due December 2010
 - Dispatch / MMEL Data
 - FCOM Procedures
 - Additional metadata

■ Future Direction

- Revision 2011.1
 - Limitations
 - Performance
- S1000D alignment



Questions

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