

■ ATA e-Business Program Overview

S1000D User Forum
Sept. 10-12, 2018
New Orleans

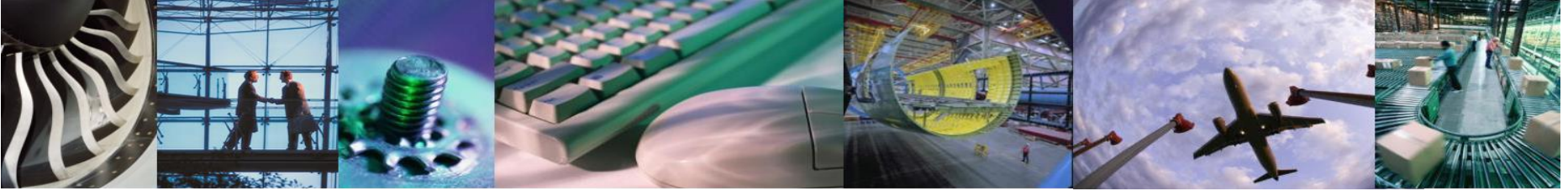
Paul Conn
Director, Electronic Data Standards



ATA e-Business Program



- International standards program for information exchange in the Civil Aviation industry
- Support engineering, maintenance, materiel management, configuration management, flight operations, and data security
- Open membership
 - 106 Member companies
 - 800 Individual active participants
 - 35 Countries
- Neutral/consensus-based environment
- Administered by Airlines for America, formerly Air Transport Association (non profit)
- <http://www.ataebiz.org>



Vision

**Enable the seamless exchange and
availability of digital information
throughout the civil aviation industry.**



Mission

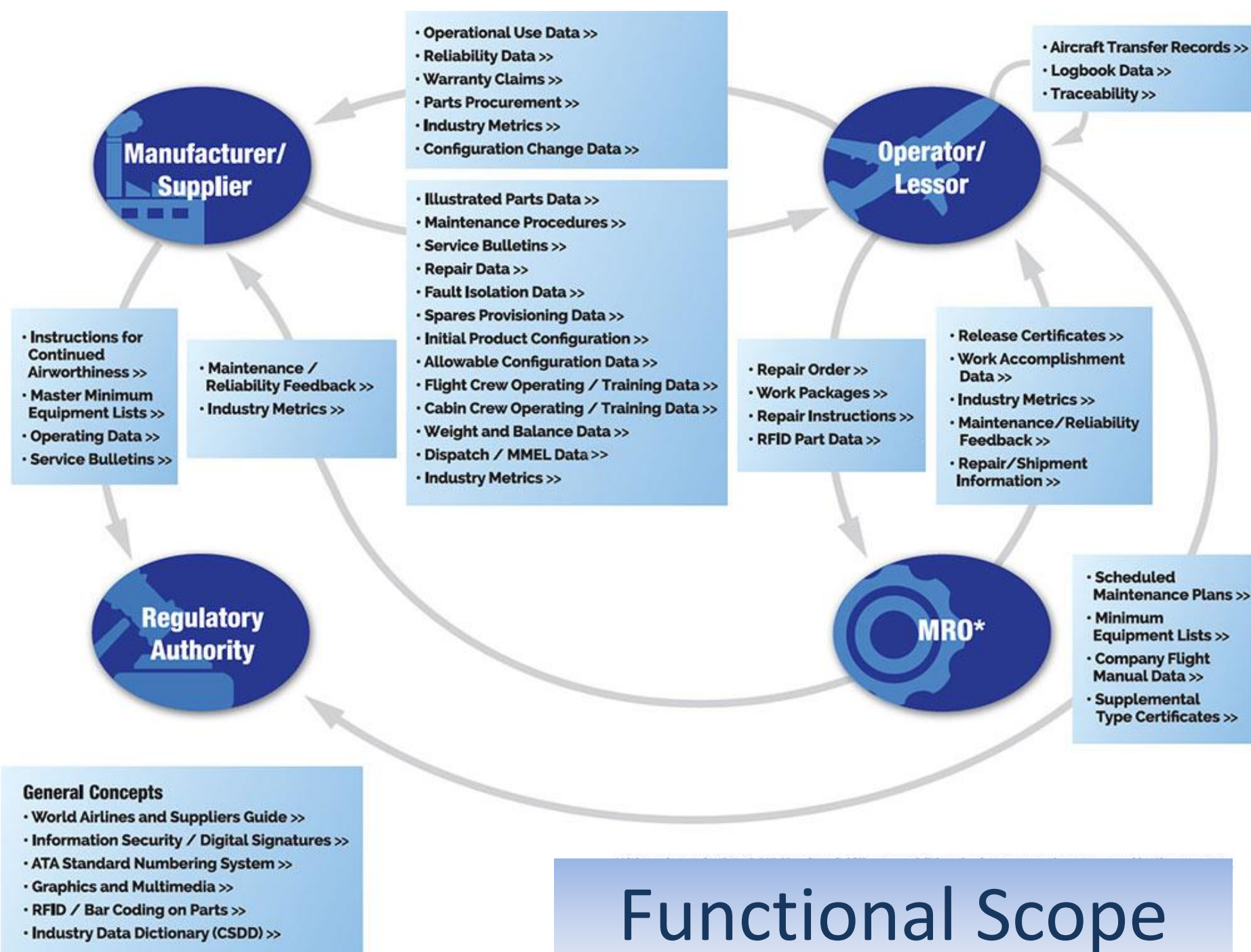
Provide the aviation industry with benchmark information standards in support of aircraft maintenance and operations.

We are committed to evolving shared standards and promoting implementation to contribute to increased business agility and reduced costs, while maintaining the highest levels of safety.

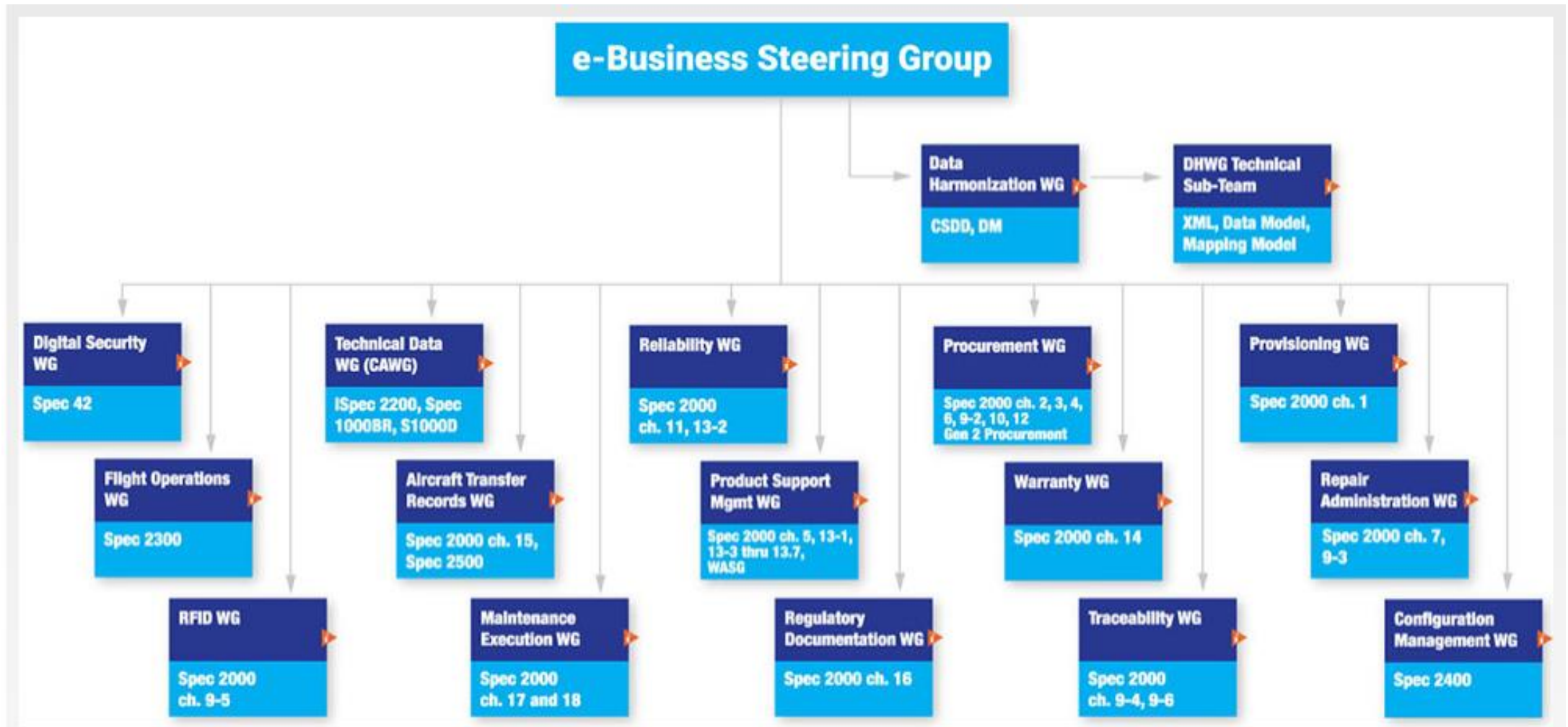


ATA e-Business Program History

- Beginning – late 1950s
 - Spec 100 – Technical Publication Standard
 - 2000 – Spec 100 evolved into ATA iSpec 2200
 - Spec 200 – Materiel Data Standard (IBM Punch Cards)
 - 1987 – Spec 200 evolved into ATA Spec 2000
 - ATA granted licenses to AECMA to develop S1000D (based on ATA 100) and Spec 2000M (based on ATA 2000)
- ATA Standards Expanded and Evolved
 - Changing business needs
 - Technological advances
- Today
 - Broad suite of industry standards and data definitions
 - Long list of adopters
 - Standards deeply embedded in industry systems and processes



Functional Scope





ATA e-Business Standards

Common Support Data Dictionary (CSDD)

iSpec 2200 - Information Standards for Aviation Maint.

iSpec 2200 Extract - ATA Standard Numbering System

S1000D, International Specification for Tech. Publications

Spec 1000BR - Civil Aviation S1000D Business Rules

Spec 2000 - Provisioning (ch. 1)

Spec 2000 - Procurement Planning (ch. 2)

Spec 2000 - Materiel Management (ch. 3 – 4, 6)

Spec 2000 - Repair Order Administration (ch. 7)

Spec 2000 - Automated ID& Data Capture (ch. 9)

Spec 2000 - Reliability Data Collection and Exch. (ch. 11)

Spec 2000 - Airline Inventory Redistribution System (ch.12)

Spec 2000 - Industry Metrics (ch. 13)

Spec 2000 - Warranty Claims (ch. 14)

Spec 2000 - Aircraft Transfer Parts List (ch. 15)

Spec 2000 - Authorized Release Certificate (ch. 16)

Spec 2000 - Electronic Logbook (ch. 17)

Spec 2000 – Electronic Work Package (ch. 18)

Spec 2300 - Data Exchange Standard for Flight Ops

Spec 2400 – Allowable Configuration Data Exchange Std

Spec 2500: Aircraft Transfer Records

Spec 42 - Aviation Industry Stds for Digital Info. Security

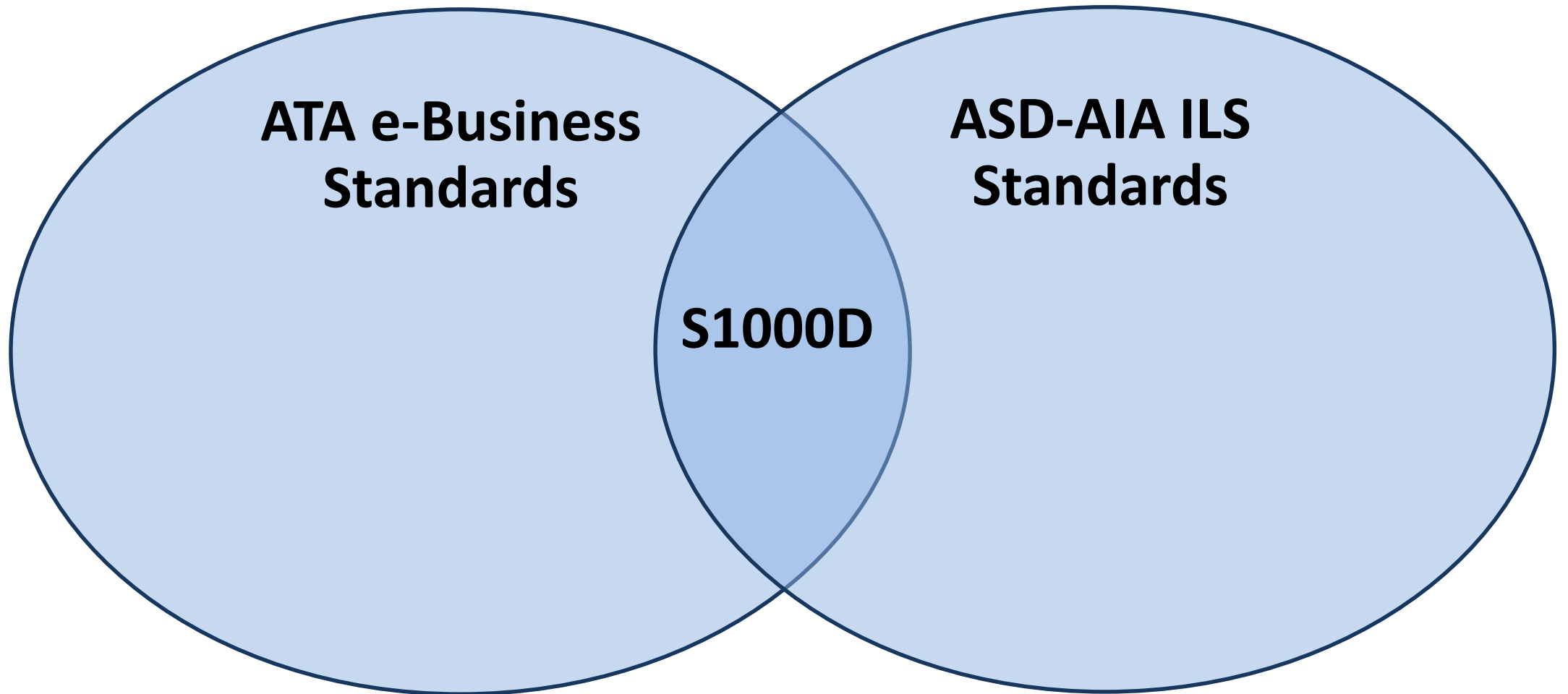
World Airlines and Suppliers Guide (WASG)

Spec 100 - Manufacturers Technical Data

Spec 101 - Ground Equipment Technical Data

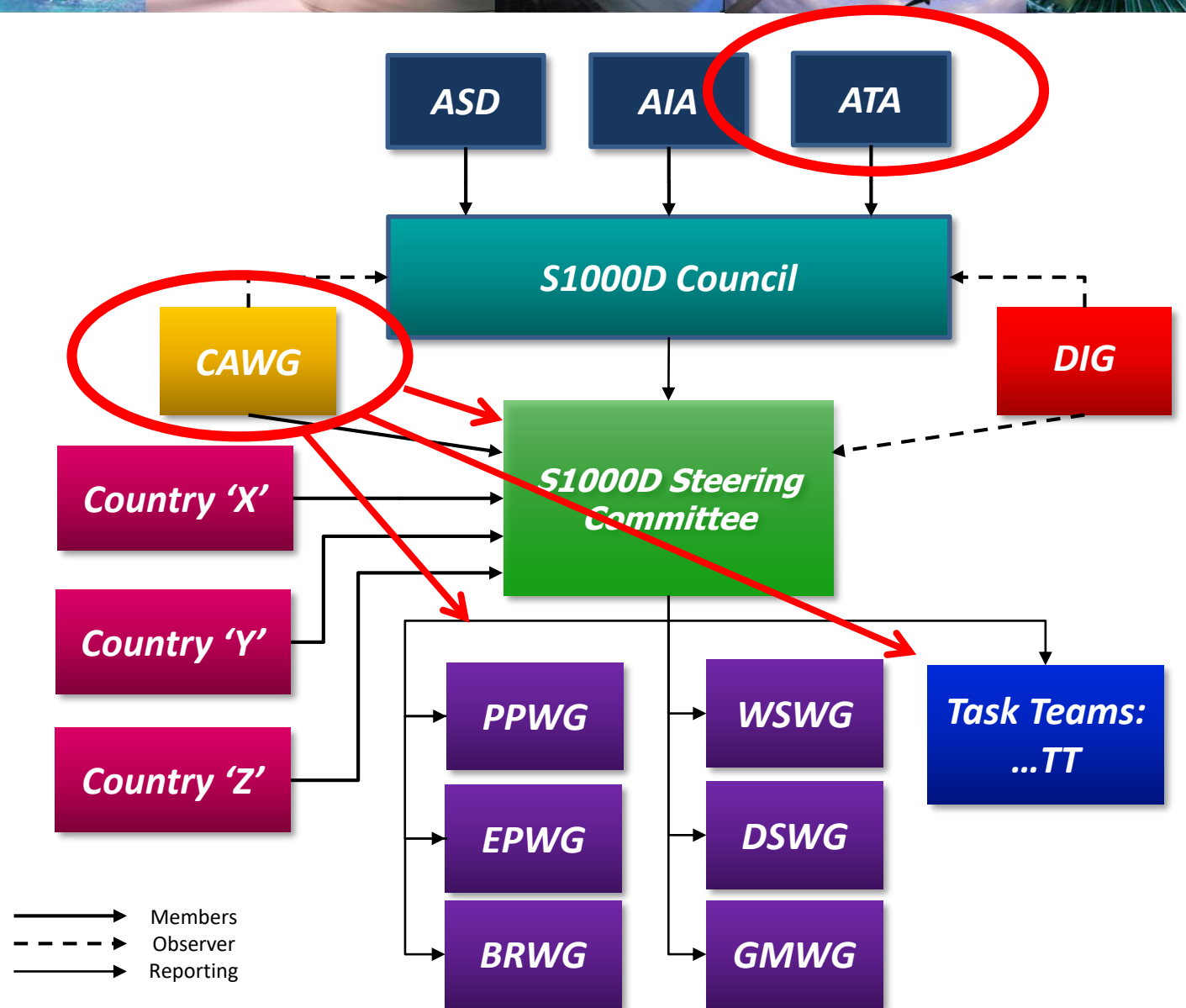


ATA, ASD, AIA Collaboration





S1000D International Organization





ATA e-Business Standards

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**ATA Technical Data
Working Group**



ATA Spec 1000BR_4.1

*Civil Aviation Business
Rules for S1000D issue 4.1*

Revision 2018.1

1000BR



ATA e-BUSINESS PROGRAM

ATA Spec 1000BR_4.2

*Civil Aviation Business
Rules for S1000D issue 4.2*

Revision 2018.1

1000BR

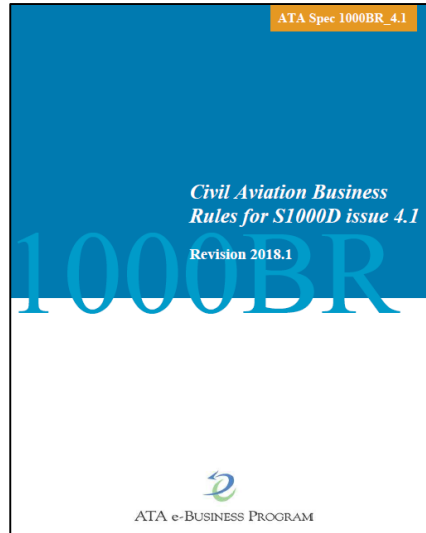


ATA e-BUSINESS PROGRAM



ATA Spec 1000BR_4.1

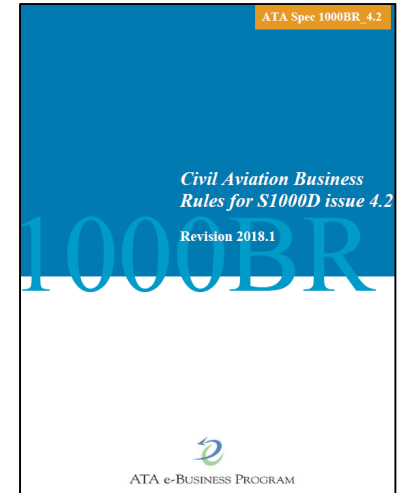
- Layered BR approach
 - General Civil Aviation Business Rules
 - Business Rules for all BRDPs
 - Civil Aviation configurable attribute values
 - General Civil Aviation BREX DM
 - Component Maintenance Publication BRs for all BRDPs
 - Business Rules for all BRDPs
 - CMP Layout rules and examples
 - CMP-specific Civil Aviation BREX DM





ATA Spec 1000BR_4.2

- Layered BR approach
 - General Civil Aviation Business Rules
 - Business Rules for all BRDPs
 - Civil Aviation configurable attribute values
 - Civil Aviation specific Information Codes
 - General Civil Aviation element/attribute usage tables
 - General Civil Aviation BREX DM
 - Component Maintenance Publication BRs for all BRDPs
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 - CMP element/attribute usage tables
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ATA Spec 1000BR

- Future plans
 - Publish 2018.2 revisions for 4.1 and 4.2
 - Updates to Civil Aviation configurable attribute values
 - Updates to Civil Aviation information codes
 - Updates to CMP business rules
 - Updates to CMP layout rules
 - Updates to CMP element/attribute usage tables
 - Updates to CMP BREX DM
 - Next year:
 - BRs for Scheduled Maintenance Data ICAs
 - BRs for Component Service Bulletin data
 - Begin work on Spec 1000BR_4.3



ATA e-BUSINESS PROGRAM

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