ATA e-Business Program Overview

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ATA e-BUSINESS PROGRAM

What is ATA e-Business Program?

- Administered by Airlines for America (A4A)
    - Not-For-Profit Trade Association
    - Based in Washington D.C.
    - Founded 1936 by 14 airlines
    - Address non-competitive issues
    - Membership:
        - 6 Passenger Carriers
        - 3 All-Cargo Carriers
        - 1 Associate/International Airlines
    - 90% Cargo/Passenger Traffic in the U.S.

ATA e-BUSINESS PROGRAM

ATA e-Business Program

- International standards program for information exchange to support engineering, maintenance, materiel and flight operations.

- Open membership

- Neutral/consensus-based environment

- Administered by Airlines for America (non-profit)

- Membership
  - 84 Member companies
  - 664+ Volunteers

ATA e-BUSINESS PROGRAM

History

Beginning – late 1950s	Standards Evolved and Expanded	Today
• Spec 100 – Technical Data Standards • Spec 200 – Materiel Data Standards (IBM Punch Cards)	• Changing business needs • Technological advances	• Broad list of standards and data definitions • Long list of adopters • Standards deeply embedded in industry systems and processes

Vision

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

ATA e-Business Program

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.

Member Companies

Provide the aviation industry with benchmark information standards in support of aircraft maintenance and operations.
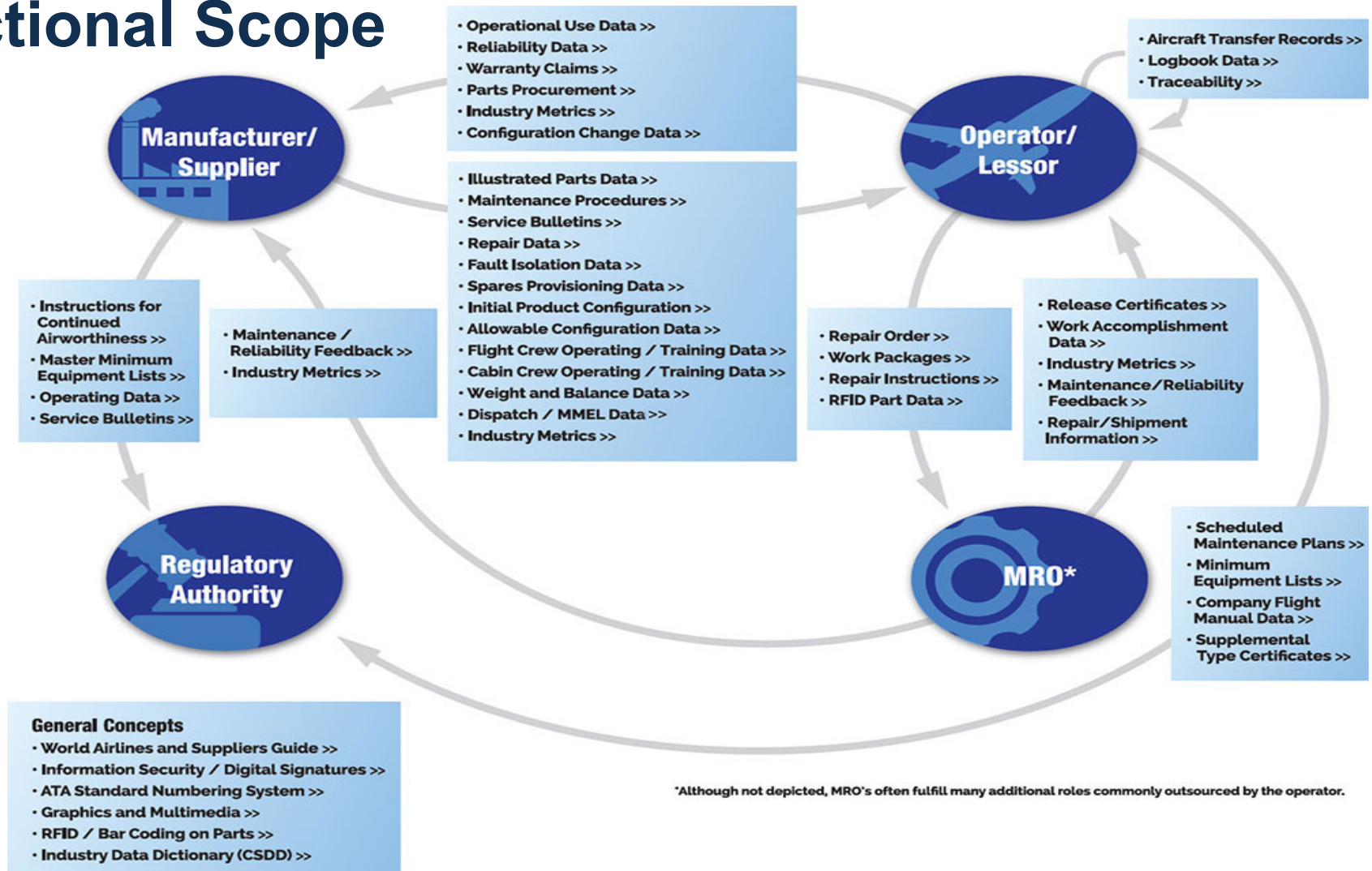
We are committed to evolving shared standards and promoting implementation to contribute to increased business agility and reduced costs, while maintaining the highest levels of safety.

ATA e-BUSINESS PROGRAM

Functional Scope

Manufacturer/ Supplier

Operator/ Lessor

Regulatory Authority

MRO*

- Operational Use Data >>
- Reliability Data >>
- Warranty Claims >>
- Parts Procurement >>
- Industry Metrics >>
- Configuration Change Data >>

- Aircraft Transfer Records >>
- Logbook Data >>
- Traceability >>

- Illustrated Parts Data >>
- Maintenance Procedures >>
- Service Bulletins >>
- Repair Data >>
- Fault Isolation Data >>
- Spares Provisioning Data >>
- Initial Product Configuration >>
- Allowable Configuration Data >>
- Flight Crew Operating / Training Data >>
- Cabin Crew Operating / Training Data >>
- Weight and Balance Data >>
- Dispatch / MMEL Data >>
- Industry Metrics >>

- Instructions for Continued Airworthiness >>
- Master Minimum Equipment Lists >>
- Operating Data >>
- Service Bulletins >>

- Maintenance / Reliability Feedback >>
- Industry Metrics >>

- Repair Order >>
- Work Packages >>
- Repair Instructions >>
- RFID Part Data >>

- Release Certificates >>
- Work Accomplishment Data >>
- Industry Metrics >>
- Maintenance/Reliability Feedback >>
- Repair/Shipment Information >>

- Scheduled Maintenance Plans >>
- Minimum Equipment Lists >>
- Company Flight Manual Data >>
- Supplemental Type Certificates >>

General Concepts
- World Airlines and Suppliers Guide >>
- Information Security / Digital Signatures >>
- ATA Standard Numbering System >>
- Graphics and Multimedia >>
- RFID / Bar Coding on Parts >>
- Industry Data Dictionary (CSDD) >>

*Although not depicted, MRO's often fulfill many additional roles commonly outsourced by the operator.

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 – Gen 2 Procurement

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 – Work Packages (ch. 18)

Spec 2300 - Data Exchange Standard for Flight Ops

Spec 2400 - Allowable Configuration Data

Spec 2500 - Aircraft Transfer Records

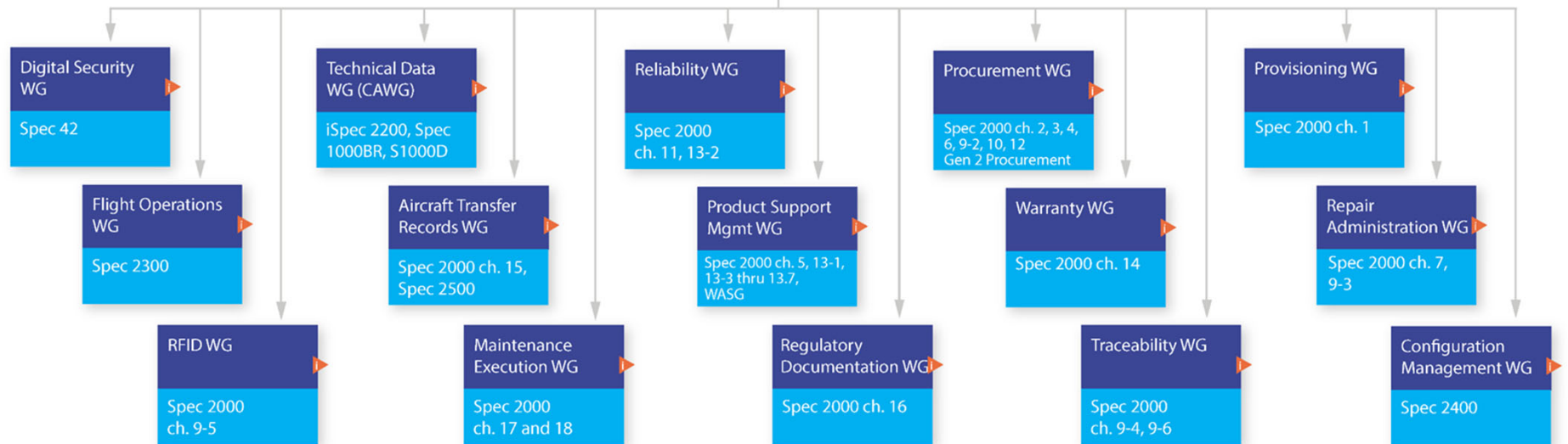Spec 42 - Aviation Industry Stds for Digital Info. Security

World Airlines and Suppliers Guide (WASG)

Spec 100 - Manufacturers Technical Data

Spec 101 - Ground Equipment Technical Data

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e-Business Steering Group

Digital Security WG
Spec 42

Technical Data WG (CAWG)
iSpec 2200, Spec 1000BR, S1000D

Reliability WG
Spec 2000 ch. 11, 13-2

Procurement WG
Spec 2000 ch. 2, 3, 4, 6, 9-2, 10, 12 Gen 2 Procurement

Provisioning WG
Spec 2000 ch. 1

Flight Operations WG
Spec 2300

Aircraft Transfer Records WG
Spec 2000 ch. 15, Spec 2500

Product Support Mgmt WG
Spec 2000 ch. 5, 13-1, 13-3 thru 13.7, WASG

Warranty WG
Spec 2000 ch. 14

Repair Administration WG
Spec 2000 ch. 7, 9-3

RFID WG
Spec 2000 ch. 9-5

Maintenance Execution WG
Spec 2000 ch. 17 and 18

Regulatory Documentation WG
Spec 2000 ch. 16

Traceability WG
Spec 2000 ch. 9-4, 9-6

Configuration Management WG
Spec 2400

ATA e-BUSINESS PROGRAM

Membership – 84 Companies

AeroSoft Systems	Collins Aerospace	JetBlue Airways	SDL, Structured Content Technologies Div
Aerospace Software Development	CrossConsense GmbH & Co. KG	KeepFlying	SeaTec Services LLC
Aerotrax Technologies	Dayton T. Brown, Inc.	Korry Electronics Company	Shanghai Aviation Industrial (Group)
Aeroxchange Ltd.	De Havilland Aircraft of Canada Ltd	L3HARRIS	SITA
Air Canada	Delta Air Lines	Liebherr-Aerospace & Transportation SAS	SkyChain Labs
Air New Zealand Limited	EAM RFID Solutions	Lufthansa Technik AG	SkySelect
Airbus	Embraer	Meggitt	SkyThread
Alaska Airlines	FedEx	MHIRJ	Sonovision Canada Inc.
American Airlines	Finnair	O'Neil & Associates	Southwest Airlines
Atlantic Aviation Group	Flatirons Solutions	Panasonic Avionics Corporation	SR Technics Switzerland
Atlas Air	FLYdocs	Parker Hannifin	Swiss AviationSoftware
Auburn University - RFID Lab	Gables Engineering	Pennant America Inc.	Technology Solutions
AXEM Technology	GE Aviation	Pratt & Whitney	Teledyne Controls
BAE Systems	Hawaiian Airlines	Pratt & Whitney Canada	Thales Global Services
Block Aero Technologies Limited	HCL Technologies Ltd	Qantas Airways	United Airlines
Boeing	Hexagon US Federal	QOCO Systems Ltd	UPS Airlines
Brady Corporation	Honda Aircraft Company, LLC	Ramco Systems Limited	W. S. Wilson Corporation
CAMP Systems International, Inc.	Honeywell	Raytheon Company	warp it AG
Cathay Pacific Airways Ltd	Horizon Air	SAAB	Woodward, Inc.
CHC Helicopter Corporation	International Air Transport Assn	SAFRAN Aircraft Engines	
CHUOZUKEN CO., LTD	Jamco America Inc.	Safran Landing Systems/Safran Group	

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