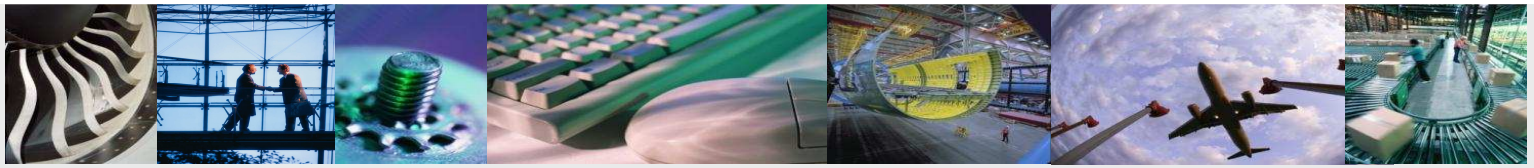
S1000D Users Forum 2010

"Application of S1000D within a state-of-the-art Integrated Logistic Support environment"

ATA Overview

Brad Ballance

Air Transport Association



Overview

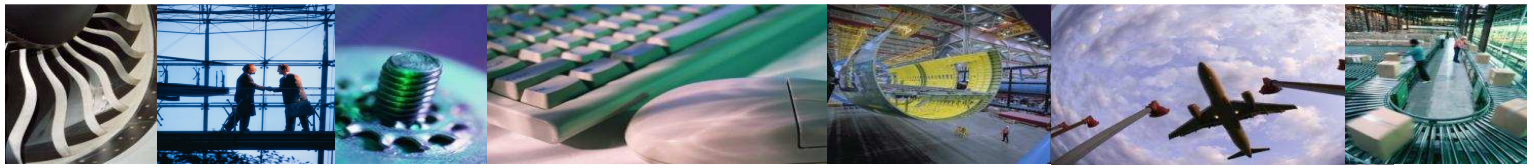
1. Air Transport Association (U.S. airlines)
   - Background/History
   - Membership/Role/Mission

AIR TRANSPORT ASSOCIATION

2. ATA e-Business Program (International)
   - Vision/Mission/Scope
   - Organizational Structure
   - Membership
   - Collaboration

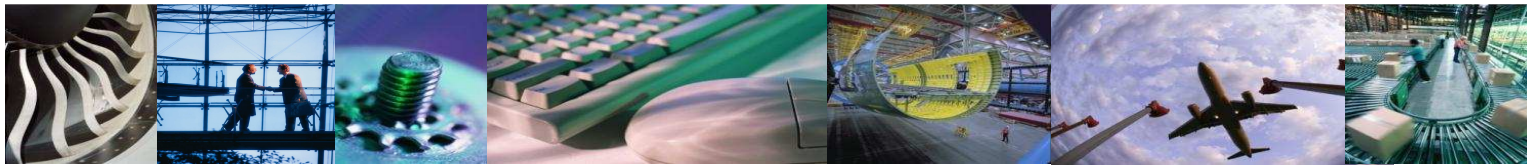
ATA e-BUSINESS PROGRAM

3. Q&A



Air Transport Association

- Airline trade association - not-for-profit
- Based in Washington D.C. - 80 Employees
- Founded 1936 by 14 airlines
- Current membership – 19 airlines
  - 11 Passenger Carriers
  - 5 All-Cargo Carriers
  - 3 Associate Members (International Airlines)
- Member carriers handle 90% cargo/passenger traffic in the U.S.
  - Industry Membership/Partners (non-airlines)
  - 47 Companies



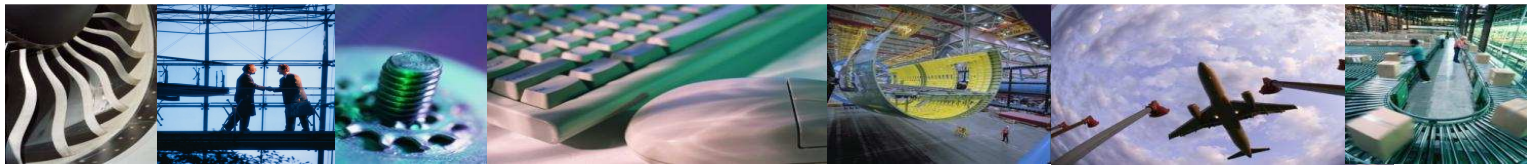
Air Transport Association Members

Airline Members

ABX Air, Inc. (GB)
AirTran Airways (FL)
Alaska Airlines, Inc. (AS)
American Airlines, Inc. (AA)
ASTAR Air Cargo, Inc. (ER)
Atlas Air, Inc. (5Y)
Continental Airlines, Inc. (CO)
Delta Air Lines, Inc. (DL)
Evergreen International Airlines (EZ)
Federal Express Corporation (FX)
Hawaiian Airlines (HA)
JetBlue Airways Corp. (B6)
Southwest Airlines Co. (WN)
United Airlines, Inc. (UA)
UPS Airlines (5X)
US Airways, Inc. (US)

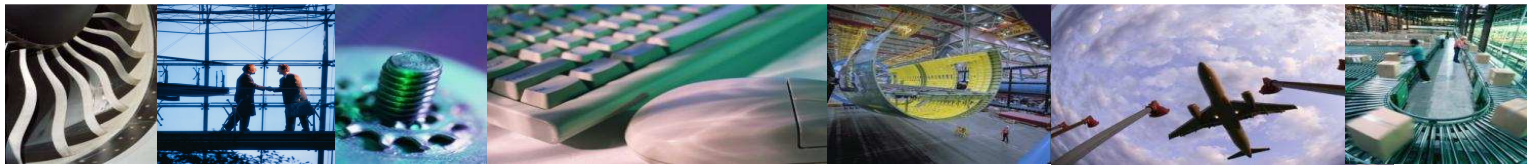
Associate Airline Members

Air Canada (AC)
Air Jamaica Ltd. (JM)
Mexicana (MX)



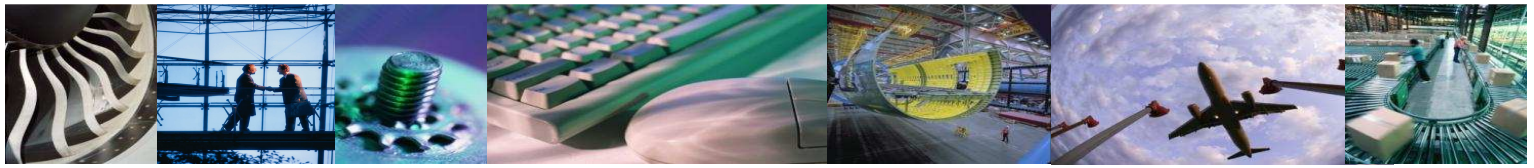
ATA Purpose

- Purpose is to foster a business and regulatory environment that ensures safe and secure air transportation and enables airlines to flourish, stimulating economic growth.
- Non-competitive issues
- History
  - Creation of the Civil Aeronautics Board
  - Creation of the Federal Aviation Administration
  - Creation of the air traffic control system
  - Airline deregulation
  - Aftermath 9/11



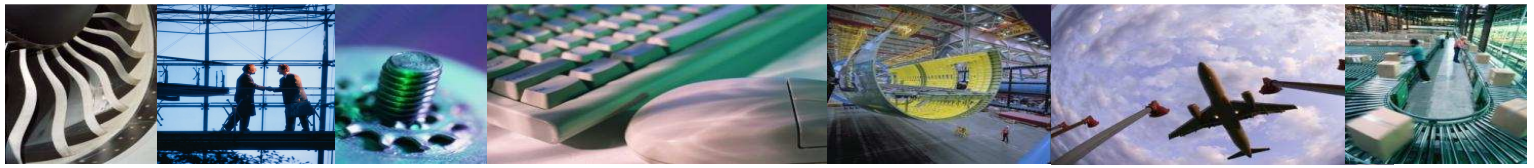
ATA Activities Today

- Reauthorizing FAA
- Modernizing the air traffic control system
- Stopping oil speculation from driving up fuel prices
- Advocating fair airline taxation and regulation
- Transmitting technical expertise and operational knowledge to improve safety, service and efficiency
- Publishing numerous guidelines and standards
  - e-Business (through the ATA e-Business Program)
  - Operations
  - Safety
  - Other/Misc



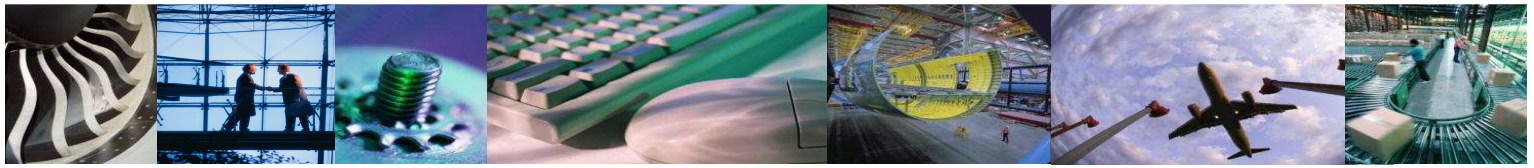
ATA e-Business Program

- International standards program
- Membership open to the world's airlines, suppliers, repair agencies, solution providers, etc.
- Consensus-based
- Independent business unit (not for profit)
  - Separate membership from ATA
  - 119 Member companies
  - 1,660 Individual volunteers
- Vision, mission, strategy and goals



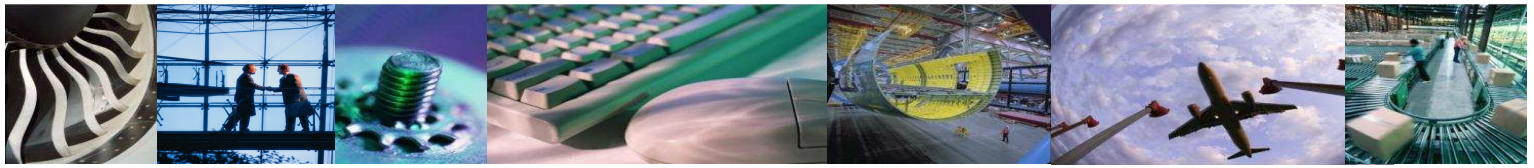
ATA e-Business Program - History

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



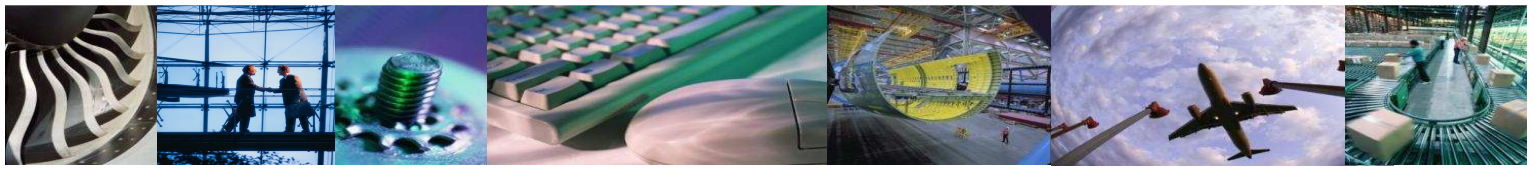
Vision

- To be an agile, cost effective, global commercial aviation industry enabled through effective and efficient information sharing.
  - Information is as dynamic as the business environment
  - Business models can be effectively adjusted in a timely manner as conditions require
  - Minimal data processing for distribution or consumption
  - Information is complete and ready for consumption when provided



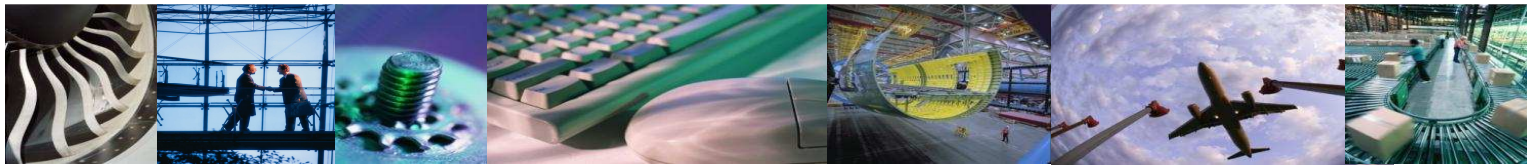
Mission

- Establish a global commercial aviation industry **information framework** that facilitates improved business agility, reduces costs, increases speed of business, and maintains the highest level of safety.

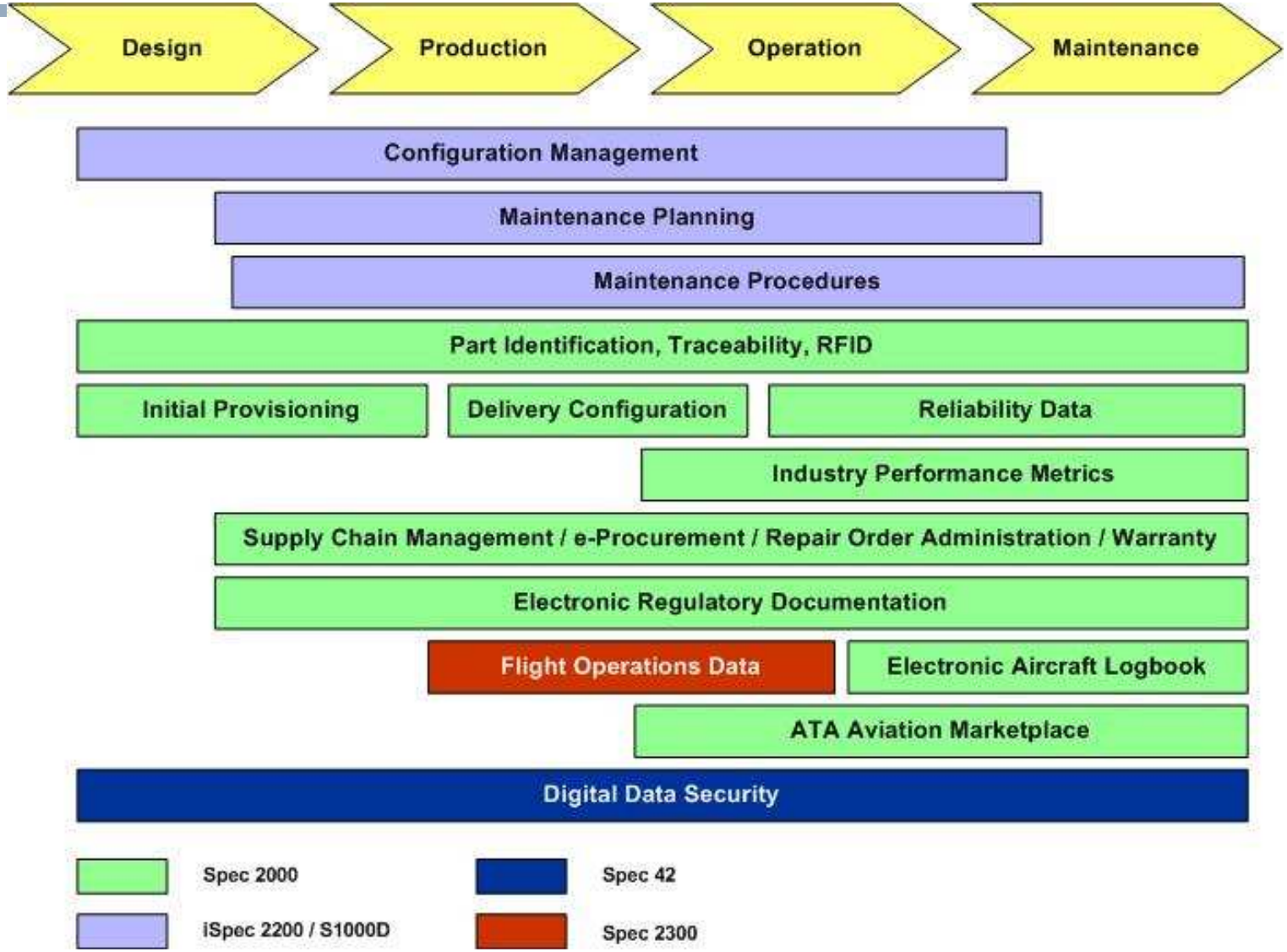


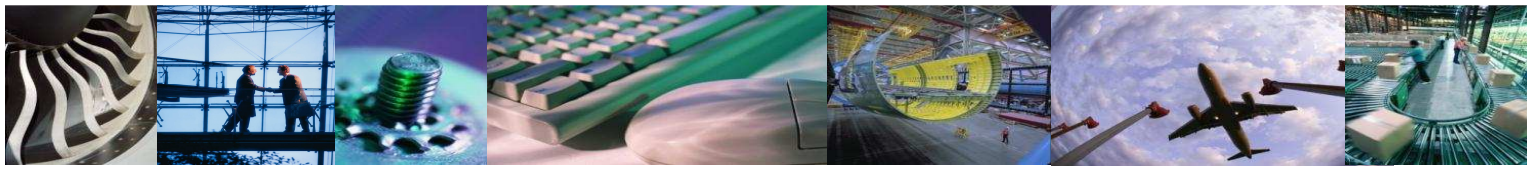
Guiding Principles

- Information-centric rather than document-centric
- Platform neutral – open architecture
- Consistent data structures, definitions and properties across all applications of the data
- Leverage other standards where applicable
- Enable an appropriate level of data security for the application
- Meet all applicable regulatory requirements



Functional Scope





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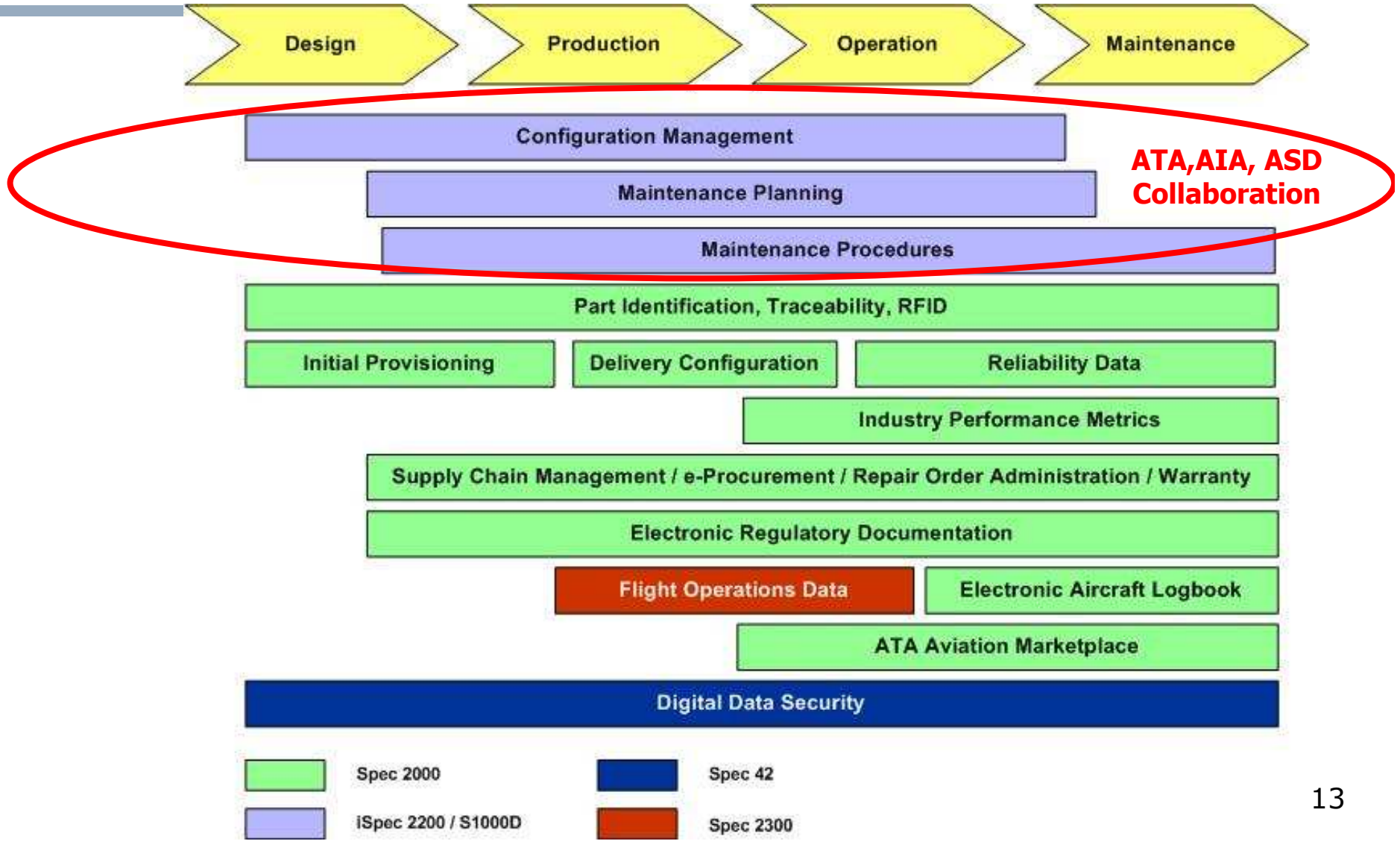
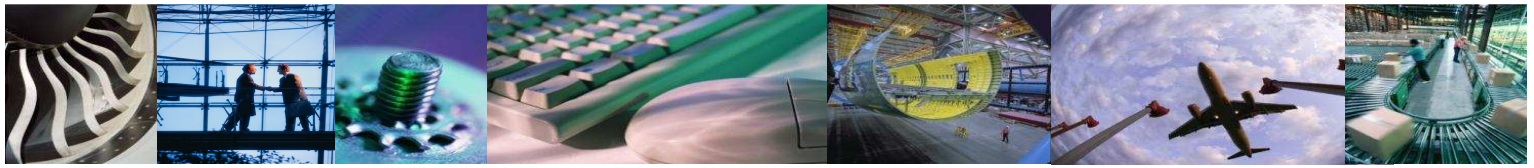




ATA e-Business Committee Structure

E-Business Advisory Committee

e-Business Steering Group

Functional Interest Groups

Integration Working Groups

Supply Chain Management
Spec 2000 Chapter 1-8, 12, 13, 14, WASG

- Metrics PT
- Repair Admin PT
- RFID Shipping PT
- Warranty PT

Flight Operations
Spec 2300

- Schema PT
- Test PT
- MMEL PT

Traceability
Spec 2000 Chapter 9, 15

- RFID on Parts PT
- RFID on GSE PT
- RFID Tech PT

Regulatory Documentation
Spec 2000 Chapter 16

- E-Documentation PT
- FAA 8110 / 337 PT

Reliability Data
Spec 2000 Chapter 11, 13.2

- E-Logbook PT
- Teardown PT
- Metrics PT

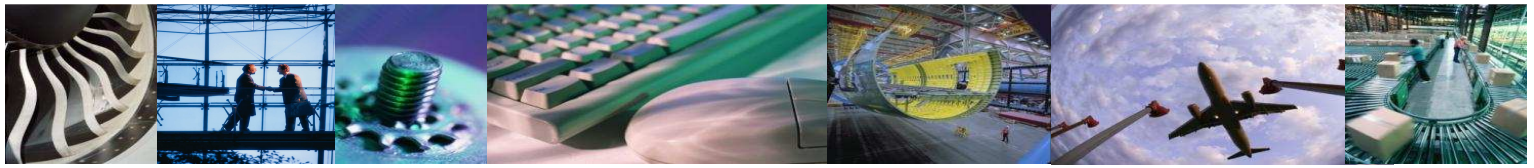
Quality Assurance
Data harmonization
Technical design
Spec consistency
Methodology

- XML PT

Digital Security
Spec 42
Spec 2000 Data Security

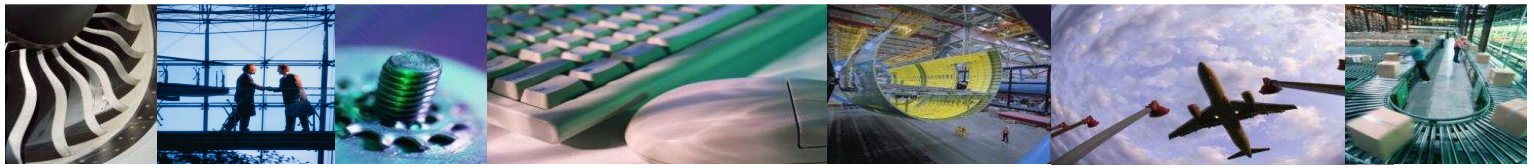
Civil Aviation
iSpec 2200
S1000D Collaboration

- Business PT
- CMM PT
- Configuration Mgmt PT
- Graphics & Multimedia PT
- Maintenance Rqmts PT
- Service Bulletin PT
- Technical PT



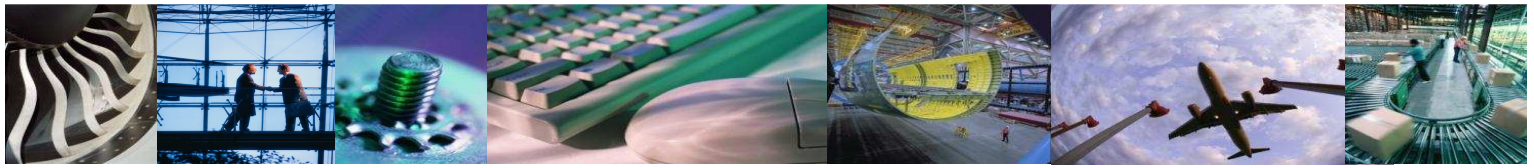
Project List

- e-Logbook Standards
- Information Security Standards and Web Seminars
- Information Standards for Flight Operations Data
- Next Generation Technical Data Standards (S1000D)
- Regulatory Documentation Standards
- Reliability Data Standards
- Enhancements to Supply Chain Management Standards



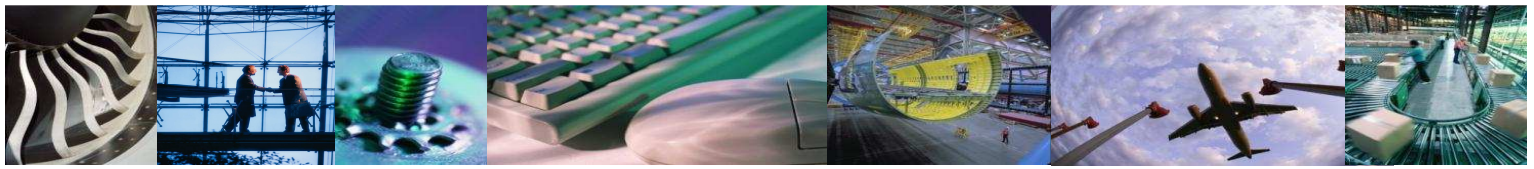
Project List (cont'd)

- RFID Tags on Aircraft Parts
- RFID Tags to Support Part Shipments
- RFID Tags on Tools, Test and Ground Equipment
- Warranty Administration Standards
- XML Strategy for Quality, Consistency and Best Practices
- Industry Performance Metrics
- Repair Administration Standards



ATA e-Business Program Members (119)

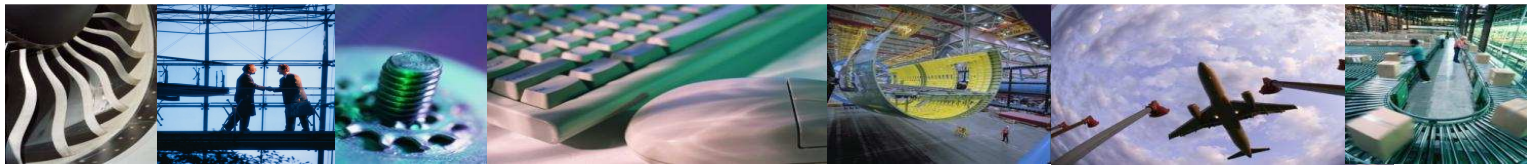
ABX Air
Aeroinfo Systems
ARSA
Aerospace Software Development
Aeroxchange Ltd.
Air Canada
Air France
Air New Zealand Limited
Air Transport Association
Airbus
Aircraft Inventory Mgmt & Svcs
Alaska Airlines
American Airlines
Appendix-Sonovision ITEP
ARINC
ATC Lasham Ltd
Aviall Services
Avio-Diepen.B.V.
BAE Systems
BAE Systems Australia
Boeing
Bombardier Aerospace
Bruno Chatel (Chadocs)
Cambridge UK Auto-ID Lab
Carillon Information Security
CHC Helicopter Corporation
CHUOZUKEN CO., LTD
Communications Software Ltd
Continental Airlines
Continental DataGraphics
CORENA
Crane Aerospace & Electronics
Critical Technologies
Dassault
DCA-BR
Delta Air Lines
DIEHL AEROSPACE GMBH
EADS
Eaton Aerospace
Efasoft Inc.
Embraer
EmpowerMX
ESIS
FedEx
Finnair
FUJITSU LIMITED
Gables Engineering
GE Aviation
GE Transportation
GGS INFORMATION SERVICES
Goodrich
Hamilton Sundstrand
Hawaiian Airlines
Heath Tecna Inc.
Honeywell
INFOSYS TECHNOLOGIES LTD
InfoTrust Group
Inmedius, Inc.
Intelleflex Corporation
International Aero Engines
Inventory Locator Service
JANA, Inc.
Japan Airlines
Jeppesen
JetBlue Airways
KLM Royal Dutch Airlines
L-3 Communications
Lufthansa Technik AG
MacSema
MAINtag
Meggitt Aircraft Braking Systems
Messier-Dowty
Mexicana Airlines
Moog Inc.
Mxi Technologies Ltd
Nabtesco Aerospace
Northrop Grumman
Office of the Secretary of Defense
OmegaBlue, Inc.
O'Neil & Associates
Panasonic Avionics Corporation
Parker Hannifin
Pratt & Whitney
Qantas Airways
Qatar Airways
RFIDsec
Rockwell Collins
Rolls-Royce
Rusada SA
SAAB
SAP AG
Shanghai Aircraft Customer Svc Co.
SITA
SNECMA
Southwest Airlines
Spirit AeroSystems Incorporated
SR Technics Switzerland
Swiss AviationSoftware
TAI - Tusas Aerospace Industries
TANNER AG
Technology Solutions
Tectura Corporation
Tego, Inc.
Teledyne Controls
Thai Airways International
Thales Avionics
Thomas Cook Airlines Ltd
Timco Aviation Services
TRAX USA Corp
Turkish Airlines
United Airlines
UPS Airlines
US Airways
Virgin Atlantic Airways
W. S. Wilson Corporation
warp it AG
Weber Aircraft, LLC
Woodward Aircraft Engine Systems
XyEnterprise



Collaborative Web Site

www.ataebiz.org

- Self sign-up for any/all groups
- View rosters and contact info
- Join group discussions (email lists, etc.)
- Access group documents, agendas, summaries, and discussions
- Access group calendars with all activities
- Vote in informal polls
- Receive automatic email notification of changes



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