



ATA e-BUSINESS PROGRAM

Project List

Electronic Authorized Release Certificates

ATA has previously published a pre-release version of Spec 2000, Chapter 16 - Electronic Product and Parts Regulatory Documentation. This chapter describes the means to electronically exchange data for Authorized Release Certificates (e.g., FAA Form 8130-3, EASA Form 1, etc.), as well as Certificates of Conformance and distributor transfer documents. FAA will shortly release FAA Order 8130.21F which will include a chapter authorizing electronic transfer of Form 8130-3 in accordance with ATA Spec 2000 Chapter 16. Upon release of the new Order, ATA will make any necessary final changes to Chapter 16 and accompanying XML Schemas, and plans to publish version 2008.1 by the end of June.

Electronic Logbook

The e-Logbook team published its first production release of the e-Logbook Schema and specification in spring 2008. This model identifies the various fields and formats for development of e-Logbook data that both supports reliability data analysis, and supports the various record keeping requirements and variations that the different operators have within their Logbook systems. It also facilitates transfer from aircraft to ground maintenance systems. The team is also working with ARINC on an updated ACARS transport format. Version 1.2 is expected to be released in summer 2008.

Electronic Teardown Report

The electronic teardown project team has developed a format that includes key components of the reliability shop findings report, while simplifying to support the more traditional teardown formats. The use of an electronic teardown report format will facilitate part receiving inspections and the record keeping requirements for repaired components. It will also be a companion document to the Electronic Authorized Release Certificate. The group expects to release the first production release of the specification in fall 2008.

FAA Form 337 and 8110 Project Team

This team will be developing electronic XML formats for these FAA forms. The kickoff meeting of this group is expected to be held in late summer 2008, and the project timeline is expected to be 18 – 24 months.

Industry Performance Metrics Project Team

This team will be meeting in September to update the parts delivery metrics, and also expects to release revised reliability metrics by the end of 2008.

Information Security Policies

An increasingly critical aspect to information management is the need for appropriate levels of data protection for systems on the aircraft, on the ground, and for the communication links between. This is becoming especially important with the introduction of next-generation aircraft that will be continuously connected to networks for flight crew, flight attendants, and passengers. Public Key Infrastructure (PKI) is the predominant technology to authenticate data providers and provide data integrity. The ATA Digital Security Working Group (DSWG) has developed Digital Certificate Policies that describe how PKI may be implemented in a standard manner throughout the commercial aviation industry to provide the level of

assurance required. These policies are being published in a new specification, ATA Spec 42, Aviation Industry Standards for Information Security. Version 2008.1 of Spec 42 is planned for publication by end of June.

Information Standards for Flight Operations

ATA's Flight Operations Interest Group (FOIG) is developing an industry standard for the cost effective and efficient exchange of digital data between information providers and information users for Flight Operations. This includes information standards such as standardized Phase of Flight definitions, as well as a suite of XML Schemas that describe the content and structure of Flight Operations data for electronic exchange. The primary information types for electronic exchange are:

- Systems Description
- Limitations
- Procedures (Normal and Non-Normal)
- Dispatchability
- Performance

This standard will be published in a new ATA specification, Spec 2300, Data Exchange Standard for Flight Operations. Draft version 0.1 will contain guidelines and XML Schemas for Systems Description information, and is scheduled for publication by the end of June

Reliability Interest Group

The reliability exchange specification included some major updates in the 2008 release, identified during recent implementations. The next major project for the team is to review an update to the electronic delivery configuration record, which would give airlines an as-delivered aircraft configuration record.

Repair Data Project Team

This group expects to kick off in fall 2008 to develop a suite of XML messages for management of the repair order process.

RFID Tags on Parts Project

The RFID on Parts team published the RFID Table of Contents specification in early 2008, which describes the memory layout of high-memory RFID tags. The group is meeting in June to finalize the data specification which includes a birth record (previously finalized) and part history and current data records which help keep a brief history of important events in a part lifecycle along with its current configuration.

S1000D Collaboration

For the past 2 years, ATA has worked with the Aerospace and Defence Industries Association of Europe (ASD) and Aerospace Industries Association (AIA) to jointly develop the S1000D International Specification for Technical Publications for both civil and military use. ATA formed the Civil Aviation Working Group (CAWG) to introduce modifications to S1000D to allow it to be used for civil aviation applications, and to represent the interests of the civil aviation community in the S1000D organization. Issue 4.0, scheduled for release Aug. 1, 2008, is the first issue of S1000D that will largely support civil aviation requirements.

Supply Chain Management Interest Group

This team will meet in June and September to update a variety of messages and file formats within Spec 2000 to meet future business requirements. This includes an update to the XML for procurement, and review of all areas of the specification.

XML Project Team

This group will be developing XML technical strategy for the ATA e-Business Program. It will develop an XML best practices guideline and form the basis for an XML quality group that will work with business teams to ensure consistency and application of best practices across all ATA e-Business XML Schemas. The group kick-off meeting will be held in September 2008.