Air Operator Certificates (AOC) & Operations Specifications

Module 1
Agenda

Module 1:
- Background
- Benefits
- Pros and Cons

Module 2:
- AOC Register specifications
- Upload of real data
- Practical exercises

Next Steps
BACKGROUND
The On-line ICAO Air Operator Certificate (AOC) register had been developed by ICAO, IATA and the Civil Aviation University of China (CAUC) following a resolution of the 36th ICAO Assembly.

Endorsed by the ICAO Council and the high level IATA Operations Committee.

As of July 2014, activity includes

- 77 States registered,
- 211 operators registered
- 108 validated AOCs entered
The problem:

Each Airline: 1 AOC + X Foreign Ops Specs

Multiple Requirements

Complexity!
Foreign operator admission and surveillance

OBJECTIVE

Annex 6 & Doc 8335

Bilateral Technical Agreements
Component of the **ONLINE AIRCRAFT SAFETY INFORMATION SYSTEM (OASIS)** toolbox

- **OASIS** provides
  - One-stop access to aircraft related safety data
  - Platform to enter, validate and modify data at source
  - Collection and sharing of data
Benefits

- Component of future Online Aircraft Safety Information System (OASIS)

Diagram:

- AOC (Air Operator Certificates)
- ARS (Aircraft Registry System)
- OASIS
- Doc-8585
- Doc-8643
- Aircraft Type Designators
- Designators for Aircraft Operating Agencies
OASIS

- Look up Aircraft history
- Who Registered A/C
- Who issues AOC
- What is the A/C capabilities
- What are the differences filed by State of Registry and Operators
- What are the relevant audit results for State of Registry and Operators

Aircraft Registration System

AOC Database

CFOD System

17 September 2014
Components of the OASIS toolbox are:

- Aircraft Registration System (ARS),
- Air Operator Certificate Register (AOC),
- Aircraft Type Designators (Doc 8643) 2015
- Designators for Aircraft Operating Agencies, Aeronautical Authorities and Services (Doc 8585) 4th quarter 2014
- Others...
WHAT IS THE AOC REGISTER?
Benefits

- Effective & efficient foreign operator surveillance
- Transparency on validity & currency of AOCs
- Transparency on Operations Specifications
- Reduced burden on maintaining AOCs and Operations Specifications current on fleet
- Reduced burden to maintain current info required by States (Phase II)
Annex 6 Part I

- Standardized AOC and Operation Specification

---

**International Civil Aviation Organization**

**AIR OPERATOR CERTIFICATE**

<table>
<thead>
<tr>
<th>CANADA</th>
<th>Transport Canada</th>
</tr>
</thead>
<tbody>
<tr>
<td>AOC#: 123456789</td>
<td>WestJet Canada</td>
</tr>
</tbody>
</table>

- **Expiry Date**: valid until suspended, cancelled or revoked
- **Db: Trading Name**: westjet
- **Operator Address**: addr
- **Telephone**: 001-514-888-8888
- **Fax**: 001 514 888 8888
- **E-mail**:

**OPERATIONAL POINTS OF CONTACT**

- **Contact details**: at which operational management can be contact without undue delay for issues related to flight operations, airworthiness, flight and cabin crew competency, dangerous goods and other matters as appropriate, are listed as follows.

**Contact Details:**
- **Flight Operations**:
  - **Phone**: 1234567
  - **Fax**: 1234567
  - **E-mail**: abc@abc.com
- **Airworthiness**:
  - **Phone**: 1234567
  - **Fax**: 1234567
  - **E-mail**: abc@abc.com
- **Flight Cabin Crew Competency**:
  - **Phone**: 1234567
  - **Fax**: 1234567
  - **E-mail**: abc@abc.com
- **Dangerous Goods**:
  - **Phone**: 1234567
  - **Fax**: 1234567
  - **E-mail**: abc@abc.com
- **Other Matters**:
  - **Phone**: 1234567
  - **Fax**: 1234567
  - **E-mail**: abc@abc.com

This certifies that WestJet Canada is authorized to perform commercial air operations, as defined in the attached operations, in accordance with the operations manuals and the requirements prescribed in the current Annex III of section 123 as regards common technical requirements and administrative procedures applicable to commercial transportation by aeroplane.

**Date of issue**: 15-MAY-2012

**Name and Signature**: John Doe
**Title**: Senior something
## OPERATIONS SPECIFICATIONS
(supplemented with the approved conditions in the operations manual)

### ISSUING AUTHORITY CONTACT DETAILS

<table>
<thead>
<tr>
<th>Telephone</th>
<th>Fax</th>
<th>E-mail</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Airworthiness Code</th>
<th>Operator name</th>
<th>Date</th>
<th>Signature</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Aircraft model:

<table>
<thead>
<tr>
<th>Types of operation:</th>
<th>Commercial air transportation</th>
<th>Passengers</th>
<th>Cargo</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Area(s) of operation:

### Special limitations:

<table>
<thead>
<tr>
<th>SPECIAL AUTHORIZATIONS</th>
<th>YES</th>
<th>NO</th>
<th>SPECIFIC APPROVALS</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dangerous goods</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Low visibility operations:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Approach and landing</td>
<td></td>
<td></td>
<td>CAT:_____ RVR:_____ m DH:_____ ft</td>
<td></td>
</tr>
<tr>
<td>Take-off</td>
<td></td>
<td></td>
<td>RVR**:_____ m</td>
<td></td>
</tr>
<tr>
<td>RVR/IM</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ETO**</td>
<td>N/A</td>
<td></td>
<td>Threshold time:_____ minutes</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Maximum diversion time:_____ minutes</td>
<td></td>
</tr>
<tr>
<td>Navigation specifications for RGN operations</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Continuing airworthiness</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Data entry methods

- XML
- On-line
- Excel template

AOCs & Operations Specifications
AOC On-line register

- AOC system Version 1.0 was launched in July 2013 and allows States to:

  ✓ upload a dataset of required AOC and operations specifications data, complemented by optional data;
  ✓ Validate AOCs entered by Operators of their State (should that access be granted);
  ✓ search and view AOC and operations specifications issued by other States;
  ✓ print AOC and operations specifications in Annex 6 compliant format;
  ✓ provide validation access for the Operators’ uploaded AOCs and operations specifications
AOC allows Operators to:

- upload a dataset of their AOC and operations specifications data, complemented by other optional documents;
- search and view their AOC and operations specifications;
- print AOC and operations specifications in Annex 6 compliant format.
Effective & efficient foreign operator surveillance

- Recommend foreign operators have their AOC and operation specification data in system

Transparency on validity & currency of AOCs (Local)

- Work with us to streamline the uploading of your AOC’s and operation specifications into the register
Progress

- Having access 24/7 to the AOC Registry, the Safety inspectors will be able to produce an accurate report and reduce safety operational risks.
- The effectiveness of the database depends on the ability and willingness of ICAO Member States to provide input into the system,
- The iKit Demo (available for tablets and mobile) is available:

  [http://www.icao.int/safety/OASIS/Pages/aoc_iikit.aspx](http://www.icao.int/safety/OASIS/Pages/aoc_iikit.aspx)
BENEFITS, EFFICIENCIES, NEXT STEPS
Benefits for Safety

- Component of an integrated OASIS
- Allows efficient implementation of elements of the Manual of Procedures for Operations Inspection, Certification and Continued Surveillance (DOC-8335)
Benefits for Efficiency

- Various methods available to update and maintain information.
- Information easily disseminated to those that need it.
- Data Structure fully compliant with Appendix 6 of Annex 6 Part 1 requirements for AOCs and Operations Specifications.
Encountered Cost

- What type are costs are associated with current handling of AOCs & Operation Specifications
  - Administration
  - Fees
  - Labour Intensive
  - Outdated document onboard delays aircraft ramp inspection
  - Time consuming approval process for Third Country Operators (TCO)
Pros & Cons

Pros:
- Operators can upload their data. Validation remains with the States.
- Keep track of the latest AOC’s and Operations Specifications.
- Simplify all procedures for an Operator to apply for operations to another state.
- Synchronize CAA/Operators online system with AOC Register system.
- Reduce delays and findings during Ramp Inspections.

Cons:
- Lack of resources, etc.
- Even though operational, Operators remain concerned with redundancy of the TCO program.
Next Steps

- AOC System adjustments based on States current maintenance of their AOCs and Ops Specs.

- Go-Teams have been set for 2014
  - Lima, Peru – LATAM, 26-28 March 2014
  - Dakar, Senegal - 19-20 May 2014
  - Paris, France – 14-16 May 2014
  - Beijing , China - 29-1 August 2014
  - Mexico City, Mexico – 17-19 September 2014
  - Johannesburg, South Africa – 15-17 October 2014
  - Singapore, - 12-14 November 2014
  - Dubai, UAE - 23-24 November 2014

- [http://www.iata.org/events/Pages/aoc-registry-workshop.aspx](http://www.iata.org/events/Pages/aoc-registry-workshop.aspx)
Successful approach by IATA & ICAO with CAA of: Cameroon, Cape Verde and Singapore
Discussion