Use of Electronic Documents on Board and in Aircraft Technical Operations
IATA study (August 2023)


Respondent population

<table>
<thead>
<tr>
<th>Region</th>
<th>IATA Airline (i.e. AOC Holder)</th>
<th>Non-IATA Airline (i.e. AOC Holder)</th>
<th>MRO / Repair Station (i.e. Part 145 Certificate Holder)</th>
<th>Aircraft Ground Handling Organization</th>
<th>Supplier / Trader (of aviation parts)</th>
<th>OEM (of aircraft or engines or other aviation equipment / parts)</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Africa &amp; Middle East</td>
<td>13</td>
<td>1</td>
<td>6</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>21</td>
</tr>
<tr>
<td>Asia Pacific</td>
<td>27</td>
<td>2</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>34</td>
</tr>
<tr>
<td>China &amp; North Asia</td>
<td>22</td>
<td>2</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>29</td>
</tr>
<tr>
<td>Europe</td>
<td>38</td>
<td>4</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>59</td>
</tr>
<tr>
<td>The Americas</td>
<td>36</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>42</td>
</tr>
<tr>
<td>TOTAL</td>
<td>136</td>
<td>10</td>
<td>30</td>
<td>6</td>
<td>6</td>
<td>1</td>
<td>185</td>
</tr>
</tbody>
</table>

IATA airline representation

By IATA airline membership, # of airlines
- TOTAL: 302
- RESPONDED: 136 (45%)

By IATA airline fleet, # of aircraft
- TOTAL: 17665
- RESPONDED: 13887 (77%)

IATA Digital Aircraft Operations, 2023. dao@iata.org
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Our Civil Aviation Authority allows carrying the following documents on board of the aircraft in electronic format:

- Flight Plan: 103 responses
- Notice to crew: 104 responses
- Weight and balance sheet: 67 responses
- AOC* and ops specs: 103 responses
- Journey logbook/tech log/voyage report: 99 responses
- Noise certification document: 82 responses
- Certificate of airworthiness: 74 responses
- Certificate of registration: 71 responses
- Crew member licences: 67 responses
- Radio station licence: 66 responses
- Article 83 bis (certified true copy) – if applicable: 53 responses
- Notice to crew: 43 responses
- Certificate of registration: 37 responses
- Flight Plan: 30 responses

We carry the following documents on board of the aircraft in electronic format at least on one or more fleets:

- Flight Plan: 76 responses
- Notice to crew: 107 responses
- Weight and balance sheet: 104 responses
- AOC* and ops specs: 105 responses
- Journey logbook/tech log/voyage report: 105 responses
- Noise certification document: 90 responses
- Certificate of airworthiness: 89 responses
- Certificate of registration: 75 responses
- Crew member licences: 65 responses
- Radio station licence: 51 responses
- Article 83 bis (certified true copy) – if applicable: 48 responses

Note 1: question applicable to AOC Holders, total - 143 responses

ARC - Airworthiness Release Certificates

Does your organization use (i.e. accept and/or issue) Airworthiness Release Certificates (ARC) in real electronic format (i.e. other format than a digitized image/copy of the paper based original source ARC document) ?

- AOC Holders Total: 122 responses
  - Yes – always electronic: 72%
  - Yes – sometimes: 18%
  - No - always hard copy: 10%

- MRO / Repair Station (i.e. Part 145 Cert Holders) Total: 30 responses
  - Yes – always electronic: 60%
  - Yes – sometimes: 37%
  - No - always hard copy: 7%
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Type of documents and host application for e-format

Note 2: size of the word corresponds to number of mentions. As an example, the most mentioned tool was EFB, the most mentioned document was Weight and Balance. Total mentions – 78 words

Cybersecurity

In those cases of implementing the electronic format for the documents (if any) did your company consult with cybersecurity team or cybersecurity experts?

Total: 172 responses