Boeing Global Services
Training & Professional Services

Digital Crew Credentials
15th Asia Pacific Airline Training Symposium (APATS 2018)
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August 2018
credential

/krə'den(t)SHəl/
noun
plural noun: credentials

a qualification, achievement, personal quality, or aspect of a person's background, typically when used to indicate that they are suitable for something.
"recruitment is based mainly on academic credentials"

- a document or certificate proving a person's identity or qualifications.
  synonyms: documents, documentation, papers, identity papers, bona fides, ID, ID card, identity card, passport, proof of identity; More

- a letter of introduction given by a government to an ambassador before a new posting.

Aviation safety ⇔ Security and integrity of credentials, qualifications and competencies
Voice of Customer

“Current crew credentials system is inefficient – data is trapped – manual entries introduce data errors”

“Course certificates are scanned, stored electronically and returned to the student”

“A long response time between the course completion date, and receiving certificates”

“Supervisor scans copy of license into system…”

“Manually figuring out the training required per plane…”

“Physical certificates and experience logs are submitted to EASA”

“Very challenging to search for information, everything is in PDF”

Current crew credentials system is inefficient – data is trapped – manual entries introduce data errors
Commercial Aviation - Labor Demand and Supply

Staffing challenges threaten commercial airline growth and airplane sales in certain regions.

Other parts of the world have larger numbers of people with the right credentials.

Workforce mobility is hindered by the dearth of trusted digital credentials and competencies.

Trusted digital credentials and competencies will reduce search costs and improve workforce mobility.
Digital MT Certifications - Value Proposition

Status Quo (Paper): QA Completion to Operating License

Proposed (Digital): QA Completion to Operating License

Value Created: Reduction in delivery flow time

Value Created: Instantaneous Verification

Digital credentials offer significant reductions in delivery flow time and instantaneous verification.
Problem across Aviation Ecosystem

Sharing and verification of credentials and competencies is complex, inefficient and vulnerable
Traditional Solution

Digital Crew Credentials Services (DCCS) Platform

- Department of Motor Vehicles
- Flight Training Center
- Aviation Regulatory Authority
- Airline
- MRO
- Crew Training Academy
- Ground School
- Crew Provisioning Services
- Candidates & Crew

Exchange, Verification and Analysis of Credentials and Competencies with Speed, Security and Integrity
Digital Crew Credentials - Technology Alternatives

Credentials Management solutions range from conventional to emerging technologies

<table>
<thead>
<tr>
<th>Issuing</th>
<th>Format</th>
<th>Delivery</th>
<th>Verification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Conventional</strong></td>
<td>Centralized</td>
<td>PDF &amp; JSON</td>
<td>Accounts, docs and links via e-mail</td>
</tr>
<tr>
<td><strong>File Sharing</strong></td>
<td>Centralized</td>
<td>Multiple File Types</td>
<td>Accounts and links via e-mail</td>
</tr>
<tr>
<td><strong>Blockchain</strong></td>
<td>Distributed / Hybrid</td>
<td>JSON</td>
<td>Accounts, docs and links via e-mail</td>
</tr>
</tbody>
</table>
Product Strategy and Roadmap

- Blockchain Proof-of-Concepts
- Current Crew Credentials
- Minimum Viable Product
- Digital MT Certifications
- Digital Crew Credentials
  Global Workforce Mobility (limited)
- OEM Founder Network
- Industry Utility
  Digital Crew Credentials
  Global Workforce Mobility (worldwide)

Dependencies
- International Competency Standards
- Competency Based Training
- Regulatory Equivalency Agreements
Thank you

Questions?