The Time to Prepare for COVID-19 Vaccine Transport is Now

iata.org/en/pressroom/pr/2020-09-09-01
Air cargo is an essential component of cross-border e-commerce.
Our vision

To equip airlines and the air cargo supply chain with responsive air cargo services based on intelligent systems able to:

- **self-monitor**;
- send real-time **alerts**;
- **respond** to deviation to meet customers’ expectations;
- and **report** on the cargo journey to allow data-driven improvements.
The goal is to provide stakeholders in the air cargo supply chain with a set of standards and guidance documents to enable and ease the use of IoT devices for **interaction with cargo**.

**Interactivity Characterization**
- Policy Paper - Vision of Interactive Cargo data capture and sharing
- Recommended Practice - IoT device data sharing in air cargo
- Standard Operating Procedures – Implementation of the IoT device data model

**Device Certification**
- Policy Paper - Vision of the approval of the use of IoT devices in the air cargo industry
- Recommended Practice - Approval of the use of portable electronic devices onboard aircraft
- Standard Operating Procedures – Adoption and use of IoT devices

**Data Use Agreement**
- Amendment to the Recommended Practice Conditions of Carriage for Cargo

**Interactive Cargo Handling**
- Creation of a specific Label for Interactive Cargo
- Recommended Practice – Use of the Electronic Monitoring Device Special Handling Code
- Standard Operating Procedures – Interactive Cargo Handling Process

**Pilots for Operational Validation**
- Development of pilot projects
- Validation and update of Standard Operating Procedures
Interactivity Characterization

*How to integrate Interactive Cargo requirements into ONE Record?*

- Understand what interactions we want to achieve
- Define what we want to capture/measure

- Identify the data elements required
- Agree on a standard / common language

- Integrate the data elements into the ONE Record data model
- Identify and define business rules as appropriate
Device Certification

How to set a standard certification process?

As-is Analysis

- Understand the technical constraints
- Understand the regulatory framework (e.g. FAA, EASA)
- Understand the current certification process

Industry Challenges

- Identify the pain points
- Define the priorities

Industry Standard

- Identify commonalities and harmonization potential
- Set standard for connected device certification process
Data Use Agreement

What are the rules around the use and disclosure of the data?

- Understand risks related to the use of Interactive Cargo Data
- Understand the data legal framework with regard to tracking devices

Risks

- Identify the mitigation risks
- Describe the use/disclosure and outlines parameters of specific purpose

Mitigation Actions

- Agree on a Data Use Agreement, as an amendment of the conditions of carriage

Data Use Agreement
Pilots for Operational Validation

How to verify the set of standards are fit for purpose?

- Stakeholders
- Scope (i.e. business process)
- Deliverables
- Timeline

- Project team
- Roles & responsibilities
- Organization structure

- Stage-gate process
- Project committee
- Key Performance Indicators
Project timeline: Key milestones

2020

- Interactive Cargo Task Force Kickoff
- Interactivity Characterization
- Device Certification
- Data Use Agreement
- COVID19 Emergency Response Plan
- ONE Record / Interactive Cargo Pilot Projects

2021

- Policy Papers
- Recommended Practices
- Interactive Cargo Handling
- Interactive Cargo Pilot Projects
- Standard Operating Procedures
Task Force Participants

The Task Force is composed of more than 50 participants representing the whole supply chain:
Communication & Engagement

Raising industry awareness and adoption
How to get involved?

Contact us at:
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Website:
www.iata.org/interactive-cargo