Enriching commercial documents

Pilot Description

• The use case will focus on incorporating commercial documents into ONE Record. To decide if the data model needs to expand or to upload documents and work on rich data.

• The secondary focus is to work on a case study/benefit guide for customs around the world to use ONE Record.

Pilot Participants

GLS
Asia First e-freight Solution Provider

DB Schenker

Cathay Pacific Cargo

Cargonaut

Pilot Project Tag Line

IATA One Record

“Just what you need”
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**Data Model**
- Airline Core Ontology
- Shipper’s Letter of Instruction
- Cargo Distribution
- CO2 Emission
- e-CMR
- ULD Tracking
- Interactive Cargo (IoT)
- Dangerous Goods
- Pharmaceutical
- Customs (PLACI, ICS2)
- Ground Handling

**API / Security**
- PUB/SUB
- LO update
- Access delegation
- Security
- Events
- Audit trail / Versioning
- Access Control
  - Cascading status update - Pub/sub in multi-chain
  - Data integrity / non repudiation with RDF
  - SHACL shapes
  - IoT updates
  - Rich data

**Implementation roadmap**

<table>
<thead>
<tr>
<th>February</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
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</thead>
<tbody>
<tr>
<td>Air Waybill API development completed in Dec 19 and waiting for pilot.</td>
<td>House Waybill, Invoice and Packing List APIs development planned to be completed in Q1 2020.</td>
<td>Advance access checking and authentication planned in Q1 2020.</td>
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<td>Full Internal and external systems interface, data exchange and integration with other stakeholders is planned in 3-4Q 2020.</td>
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Pilot Set Up / Architecture

Service Consumer Cargonaut

Service Provider GLSHK

Data Provider

Request Data Access

Request Required Data (LO)

Check Policy

Check EORI

Auth. Registry

Scheme Owner