ONE Record – Greater Bay Area (GBA) Pilot

Pilot Description

• To create awareness and help the GBA air cargo community to get ready for IATA One Record.
• The pilot includes exchange of shipment status including security status for a multi-models shipment. The cargo is accepted in GBA (Dongguan), shipped to HK Airport via vessel and then export in flight.
• This project is jointly owned by HKIA, CX and GLSHK.

Pilot Participants

CATHAY CARGO
GLS
Yusen Logistics
accenture
CATHAY CARGO
Terminal

Pilot Project Tag Line

“Seamless Cargo Connectivity for GBA-Hong Kong: Sea-to-Air shipment data sharing through ONE Record”
# ONE Record – Pilot project profile

## 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
- Multi-Modal (Vessel movement)

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

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**Implementation roadmap**

*Insert timeline of the pilot implementation*
GBA OneRecord Pilot workflow

<table>
<thead>
<tr>
<th>Forwarder</th>
<th>Cathay Cargo Terminal</th>
<th>CX</th>
<th>EzyOneRecord (GLSHK)</th>
<th>HKIA Cargo Data Platform HongKong Module (Accenture ONE Record Server)</th>
<th>HKIA Cargo Data Platform Dongguan Module (Accenture ONE Record Server)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FWB</td>
<td>1a. Submit via Agent Channel</td>
<td>FOH</td>
<td>1b. Submit FOH Via API</td>
<td>2. Publish LO to API endpoint</td>
<td>5a. Update Security status</td>
</tr>
<tr>
<td>FOH</td>
<td>3. Accept Shipment</td>
<td>RCS</td>
<td>5b. Update vessel DEP/ARR event</td>
<td>4. Publish LO to API endpoint</td>
<td></td>
</tr>
<tr>
<td>RCS</td>
<td>Zrd flight DEP</td>
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