

# 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



## 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

## Implementation roadmap

*Insert timeline of the pilot implementation*

# ONE Record – Pilot project profile



## Pilot Set Up / Architecture

### GBA OneRecord Pilot workflow

