Qingdao Airport Hub - Shandong Airlines

Pilot Description

1. To raise awareness of ONE Record in local cargo community, in order to develop best practice for ONE Record implementation;

2. Verification of new data sharing method, which will replace the legacy peer-to-peer messaging modal

3. The scope includes sharing of AWB data and shipments status on real route

Pilot Participants

Pilot Project Tag Line

"山东航空&青岛 – 拥抱ONE Record"

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Data Model

Air 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

Status update

Audit trail

Access Control

Cascading status update
- Pub/sub in multi-chain

Data integrity / non
repudiation with RDF

SHACL shapes

IoT updates

Rich data

Implementation roadmap

May	June	July	August	September	October	November	December

*Kick-off Meeting
Technical
requirement*

Define workflow

*Set up ONE Record
server*

*Internal and external test, data
exchange, access control, and
access delegation were completed*

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Pilot Set Up / Architecture