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”
Qingdao Airport Hub - Shandong Airlines

**Data Model**
- Air Core Ontology
- Interactive Cargo (IoT)
- Shipper's Letter of Instruction
- Dangerous Goods
- Cargo Distribution
- Pharmaceutical
- CO2 Emission
- Customs (PLACI, ICS2)
- Ground Handling
- e-CMR
- ULD Tracking

**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**: Kick-off Meeting Technical requirement
- **June**: Define workflow
- **July**: Set up ONE Record server
- **August**: Internal and external test, data exchange, access control, and access delegation were completed
Qingdao Airport Hub - Shandong Airlines

Pilot Set Up / Architecture

1R server
Shandong Airlines (Airline)

PUB/SUB

1R server
IATA (FF)

1R server
Infosky (GHA)

Access delegation

Data Security

PUB/SUB
LO Event (DEP/RCS)