ONE Record – Pilot project profile

**Pilot Description**

- Verify the processing flow of ONE Record data model for data sharing among cargo owner, forwarder, GHA and airline
- Verify the processing flow of ONE Record API, Access restriction and PUB/SUB
- Validate the data conversion between IATA CargoIMP and ONE Record communication format data
- Cargo owner, forwarder, GHA and airline realize FWB/FHL/FOH/RCS/DEP data sharing through ONE Record

**Pilot Participants**

![Participants Logos]

**Pilot Project Tag Line**

“建立中国第一个ONE Record物流互联网，赋予行业新的活力！”

“Build China's first ONE Record logistics Internet, and endow the industry with new vitality”
ONE Record – Pilot project profile

Data Model
- Airline Core Ontology
- Interactive Cargo (IoT)
- Shipper’s Letter of Instruction
- Dangerous Goods
- Cargo Distribution
- Pharmaceuticals
- CO2 Emission
- Customs (PLAC, ICS2)
- e-CMR
- Ground Handling
- ULD Tracking

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

Participates
- Apr
  - Kick-off
- May
  - Business procedure discussion
  - EDI discuss
  - Setup 1R node for participates
- Jun
  - Design & Optimize procedure & Data sharing module
- Jul
  - EDI Interface development
  - EDI Launch
- Aug
  - Trail run
  - Rub up

EFT
- Apr
  - 1R Notes MA
- May
  - 1RNote integrate with EDI
  - Test with participate (1on1)
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Pilot Set Up / Architecture

1. Dedicate 1R node for each participants

2. Each 1R node exchange data with others via 1R standard

3. Participants can talk with their 1R node via Type B or EDI legacy tech

4. Participants upload data to 1R node, and download from 1R node for receiving msg. Automatically

A/L system

GHA system

Cloud & Internet

Node1

Node2

Node3

Node4

Node5

FF MIS

Consigonee ERP

Shipper ERP