ONE Record – Pilot project profile

Pilot Description

- Verified the complete process from the airport of departure to the airport of destination through ONE Record API data sharing
- Verified the sharing of RFID inbound and outbound node status on the piece level
- Verified data exchange within a data sharing network composed of multiple ONE Record Servers
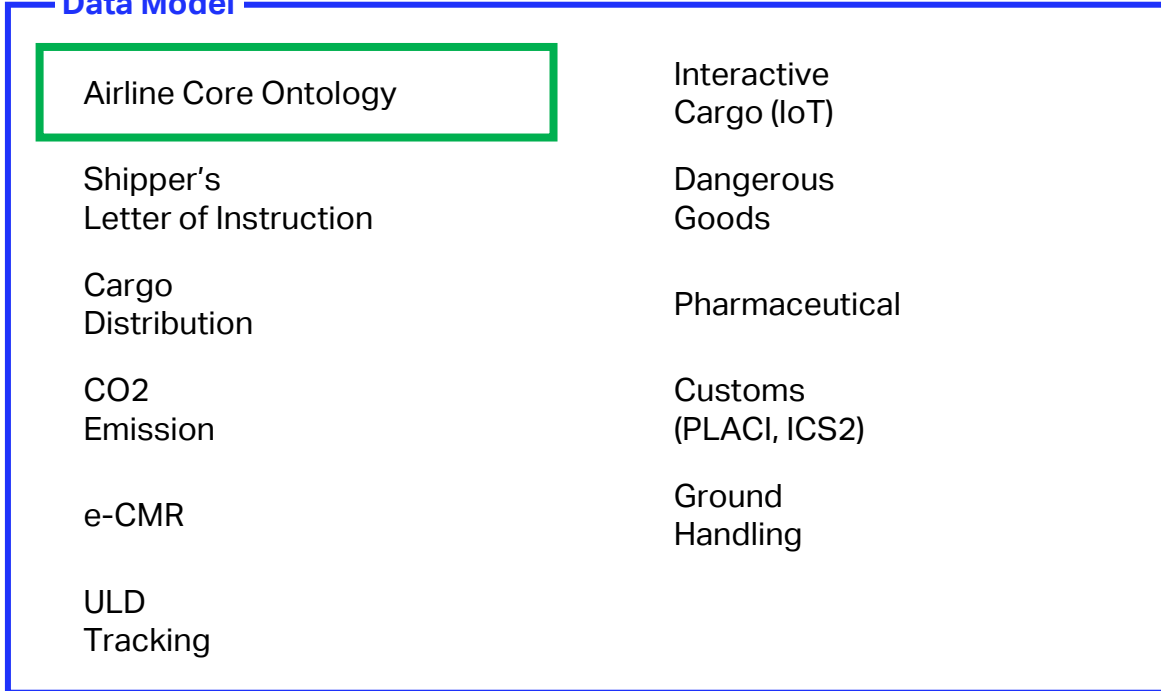
Pilot Participants

Pilot Project Tag Line

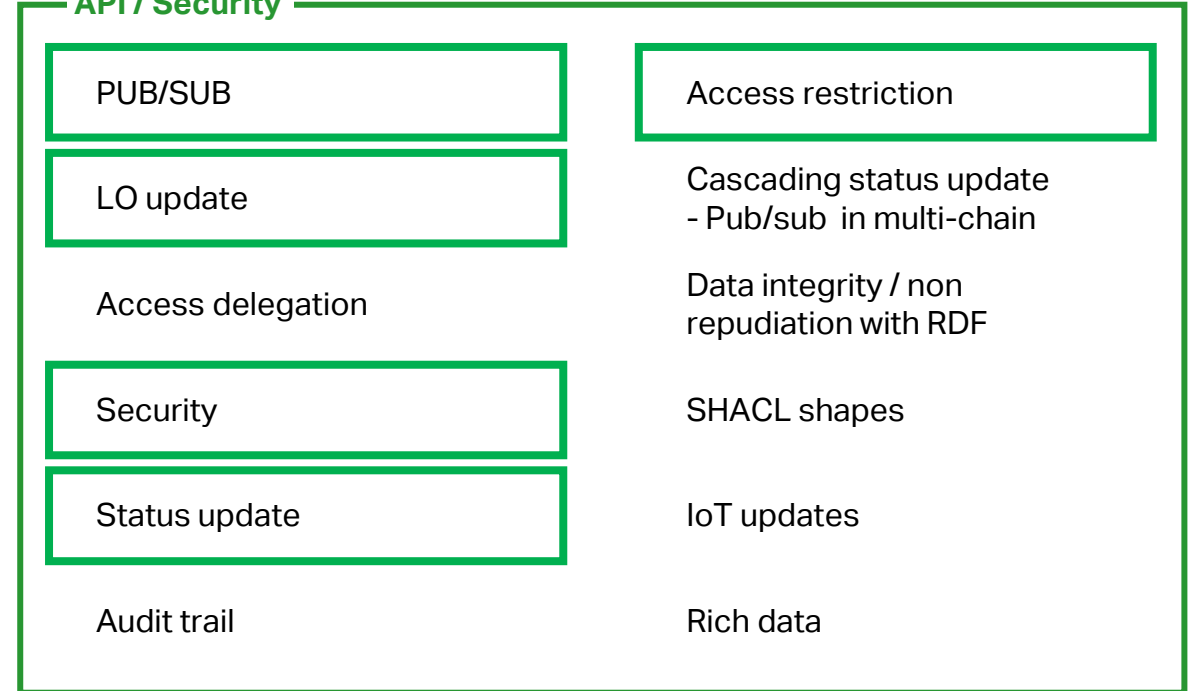**"Full process data sharing from the airport of departure to the airport of destination"**
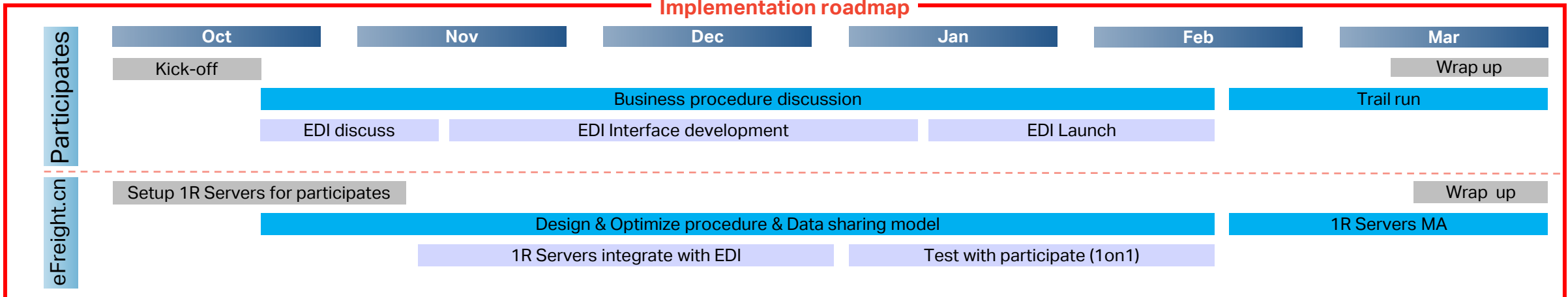
ONE Record – Pilot project profile

Data Model

Airline Core Ontology	Interactive Cargo (IoT)
Shipper's Letter of Instruction	Dangerous Goods
Cargo Distribution	Pharmaceutical
CO_2 Emission	Customs (PLACI, ICS2)
e-CMR	Ground Handling
ULD Tracking	

API / Security

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

Implementation roadmap

Participates

Oct	Nov	Dec	Jan	Feb	Mar

- Kick-off
- Wrap up
- Business procedure discussion
- Trail run
- EDI discuss
- EDI Interface development
- EDI Launch

eFreight.cn

- Setup 1R Servers for participates
- Wrap up
- Design & Optimize procedure & Data sharing model
- 1R Servers MA
- 1R Servers integrate with EDI
- Test with participate (1on1)

ONE Record – Pilot project profile

Pilot Set Up / Architecture