ONE Record prototyping

Pilot Description

• “Prototype” of ONE Record API; preparation for later complete implementation
• Implement core features of ONE Record in an experimental environment
• No operational data, no operational impact

Pilot Participants

Lufthansa Cargo

Pilot Project Tag Line

“Don’t fear failure. Fear being in the exact same place next year as you are today.”
ONE Record prototyping

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

API / Security
- PUB/SUB (Selected elements)
- LO update
- Access delegation
- Security
- Events
- Audit trail / Versioning
- Access Control
- Cascading status update
- Data integrity / non-repudiation with RDF
- SHACL shapes
- IoT updates
- Rich data

Implementation roadmap

Test runs to be performed focusing on as many functional elements of ONE Record as possible. 

Timeline work in progress
ONE Record prototyping

Pilot Set Up / Architecture

ONE Record Test Server

ONE Record Test Client

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