

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.”

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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

Access Control

LO update

Cascading status update
- Pub/sub in multi-chain

Access delegation

Data integrity / non
repudiation with RDF

Security

SHACL shapes

Events

IoT updates

Audit trail / Versioning

Rich data

Implementation roadmap

Test runs to be performed focusing on as many functional elements of ONE Record as possible
Timeline work in progress

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Pilot Set Up / Architecture



 **Lufthansa Cargo**