

ONE Record – Data conversion



Pilot Description

- Descartes ONE Record service will store EDI messages and makes them available through APIs based on IATA ONE record standard for EY as a carrier
- EY test data will be made available through an API for forwarder test organization configured to allow EY to act as a forwarder during testing

Pilot Participants



Pilot Project Tag Line

ONE Record - One step closer to digital cargo

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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

Perishables

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

Timeline of the pilot implementation to be defined

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Pilot Set Up / Architecture

