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

• DB Schenker
• Descartes
• Riege Software
• Etihad Cargo

Pilot Project Tag Line

ONE Record - One step closer to digital cargo
ONE Record – Data conversion

### Data Model
- Airline Core Ontology
- Interactive Cargo (IoT)
- Dangerous Goods
- Pharmaceutical
- Customs (PLACI, ICS2)
- Ground Handling
- Perishables
- Shipper’s Letter of Instruction
- Cargo Distribution
- CO2 Emission
- e-CMR
- 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

Timeline of the pilot implementation to be defined
EY will not operate its own ONE Record server but data will be made available by Descartes ONE Record Service only.

**Pilot Set Up / Architecture**

- **TMS link**
- **ONE Record API**
- **Traditional messaging**
- **Web portal**
- **ETIHAD ONE Record server hosted by Descartes**

SCHENKER

Riege Software

DESCARTES

ETIHAD CARGO