Pharmaceutical shipment pilot – ONE Record

Pilot Description

- Ensure current data model allows for proper shipment data sharing of Pharmaceutical shipments (done)
- Enhance the data model to incorporate IoT devices and enrich data available to all parties (in progress, to be completed by year end. Enriching data includes incorporating CargoIQ care protocols)

Pilot Participants

- Riege Software
- Cargo iQ
- Qatar Airways
- CARGO
- nallian
- Pharma AERO
- DB Schenker

Pilot Project Tag Line

“ONE Pharma – Uncompromising Excellence. Commitment to Care”
Pharmaceuticals

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
- LO update
- Access delegation
- Security
- Events
- Audit trail / Versioning
- Access Control
- Cascading status update - Pub/sub in multi-chain
- Data integrity / non repudiation with RDF
- SHACL shapes
- IoT updates
- Rich data

Implementation roadmap

Timeline work in progress
Note:
- Data flow plan to be established
- Scope includes standard AWB and HAWB data elements
- Also includes Rich data, Status messages including the shipment rest times