ONE Record – Pilot project profile

Pilot Description

• Data distribution through new channels: Text, Whatsapp, Rich Communications Service
• Traditional message exchanges moved to 1R server: FWB/FHL/FFM/eCSD
• Pharma tracking – Internet of things (IOT). Provide a central database for participants to be able to enquire on
• Co2 Emissions tracking (End to End).

Pilot Participants

Pilot Project Tag Line

CCS-UK 1R Server
ONE Record – Pilot project profile

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
- Live Animals

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 to be defined
A Cluster Star network where all data is on JSON Linked Data model and instantly available through Pub/Sub

.NET Core (3), Microsoft SQL Server, Windows Server (Backend)

Angular 9, Javascript (WebApp)

Hosting: Azure Cloud