Customer Integration

Pilot Description

- Integration with other 1R servers (Agility/CHAMP)
- Scope – transmission of data elements related to MAWB, House Manifest/HAWB, Status updates.
- The final stage will be to incorporate the security features as per organization specific capabilities.

Pilot Participants

- Agility
- Qatar Airways
- CARGO
- CHAMP

Pilot Project Tag Line

“One Record - be part of digital change”
Customer Integration

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

February
- Pilot scope definition and formalization
- Pilot discussion and initiation

March
- Review
- Formalize IT efforts & evaluate scope
- Creation of working group
- IT capabilities (technology and design) and sample exchange

April
- Development - system integration, message exchange in stage
- Testing Review

May
- Security - authorization and authentication
- API development - New with security layer
- System integration testing - with security layer
- Review

June

July

August
- Logistic Object development - new data model

September

October
- Complete - end to end testing with security features and total scope

November

December
Flow Diagram

Note:
- Assumption origin GHA is not one record compliant
- QAS is Qatar Aviation Services - Qatar Airways Doha HUB ground handling partner