

# ONE Record – Pilot project profile



## Pilot Description

- Verify the processing flow of ONE Record data model for data sharing among cargo owner, forwarder, GHA and airline
- Verify the processing flow of ONE Record API ,Access restriction and PUB/SUB
- Validate the data conversion between IATA CargoIMP and ONE Record communication format data
- Cargo owner, forwarder, GHA and airline realize FWB/FHL/FOH/RCS/DEP data sharing through ONE Record

## Pilot Participants



## Pilot Project Tag Line

**“建立中国第一个ONE Record物流互联网，赋予行业新的活力！”**

“Build China's first ONE Record logistics Internet, and endow the industry with new vitality”

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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

## API / Security

PUB/SUB

LO update

Access delegation

Security

Status update

Audit trail

Access restriction

Cascading status update  
- Pub/sub in multi-chain

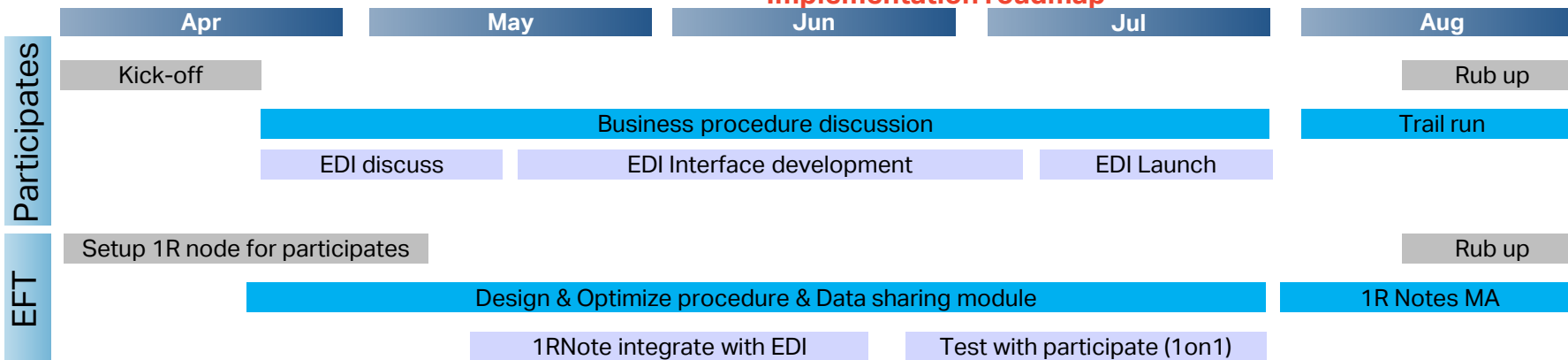
Data integrity / non-  
reputation with RDF

SHACL shapes

IoT updates

Rich data

## Implementation roadmap



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## Pilot Set Up / Architecture

- 1、 Dedicate 1R node for each participants
- 2、 Each 1R node exchange data with others via 1R standard
- 3、 Participants can talk with their 1R node via Type B or EDI legacy tech
- 4、 Participants upload data to 1R node, and download from 1R node for receiving msg. Automatically

