



## **ONE Record – a look back and the way forward ...**

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**Lufthansa Cargo**





**In 2012 we started out eAWB  
journey – with our first customers**



# godigital

**Lufthansa Cargo's target is a digital fulfillment with paperless processes**

**The future of Lufthansa Cargo:**

- The documental acceptance is fully digitized
- The transport of accompanying documents is unneeded
- The information processing is accelerated by automation, robotics and AI



**In close cooperation with  
customers, hubs and regions  
eAWB grew up to more than 85%  
share until March 2022**

eAWB became mandatory for  
LH cargo shipments as of SFP 2022



# 100%

eAWB penetration in 08/2022  
based on IATA CASS figures

## **Simply deliver ...paperless**

Visible results achieved, but still an uphill battle



## Eliminate further paper volumes



eCSD eHM eDGD

### Paperless push

Use already existing digital foundation



MDH PaperX

### 100% paperless potential

Digitize remaining documents faster



PreCheck Center

### PreCheck continuous improvement

Generate more traffic, include more functions and automate more transactional tasks

# What leads to the assumption that data exchange in the air cargo industry is outdated? | Some arguments to consider



## Currently dominating messaging standards are outdated

- dominating messaging standard in the industry (CIMP) is more than 50 years old and has not evolved to meet modern requirements
- Community systems are needed to make information exchange between stakeholders possible



## “store & forward”-based exchange leads to Chinese whispers syndrome

- incomplete data due to max. number of characters and corrupted data due to technical limitations
- no single source of truth, but discrepancies in the level of information due to data copies
- no real time availability of data whenever a change is made



## Current standards only allow textual data to be interchanged

- messaging is solely focusing on the interchange of textual data
- Requirements for the exchange of IoT-data, documents, photos, etc. are not met

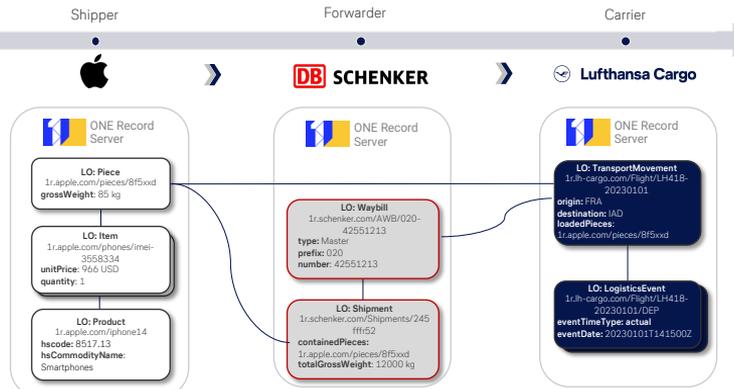
**from blocked roads, congestions  
and detours, we need to get to  
expanded highways for data  
exchange...**



# Why can ONE Record be seen as the adequate response to overcome the current pain points in data exchange? | There are two basic answers



## Linked data instead of store and forward...

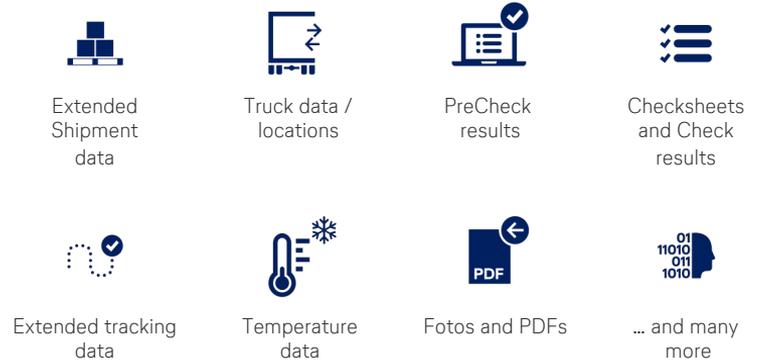


\*Data Model is strongly simplified here

... as the basis for one single source of truth and therewith high data quality by design

... enabling efficient operational synchronization between stakeholders

## New data types possible...



... enabling new data sources and therewith new services and fast use case implementation across boundaries

... serving as a basis for new possibilities to automatize processes

# A de-central platform offers significant advantages compared to other types of platforms | ... and has the potential to scale up



**Open digital production platform**  
Based on ONE Record



**„Classical“ data platform**

Based on customized integration  
or legacy standards



**Data is integrated de-centrally via URLs**

„1r.schenker.com/AWB/020-2234“\*



**Data is transmitted to the platform**

Using legacy or customized interfaces

**Master data remains in owner's system**

No central repository with copies exists



**Master data is on the platform**

Data copies on platform are in the lead

**Open and de-central organization**

Participation is free and no lock-in effects



**Commercial provider in central position**

Commercial provider is in control incl. pricing model

**ONE Record compatibility = integration**

No additional efforts required



**Customized and individual integration required**

No compatibility to other platforms

# Platform enables mutual benefit for all parties providing and consuming data | some exemplary use cases to underline



## What's in for ...

### Shipment Record sharing



## ... LH Cargo?

- Cost efficient **direct** data sharing
- Higher **data quality**, earlier data
- More sophisticated data model



## ... and partners?

- Lowered **data exchange costs**
- Increased **transparency**, add. data
- **Single API** for all data

### Digital Accompanying Docs



- More **100% paper free** shipments
- More shipments preCheck OK
- Enables **earlier, centralized** doc checks



- **Fewer rejections** due to missing docs
- Separation of physical and doc flow
- Enables fully **paper free warehouse**

### Fully automated TruckPreAdvice

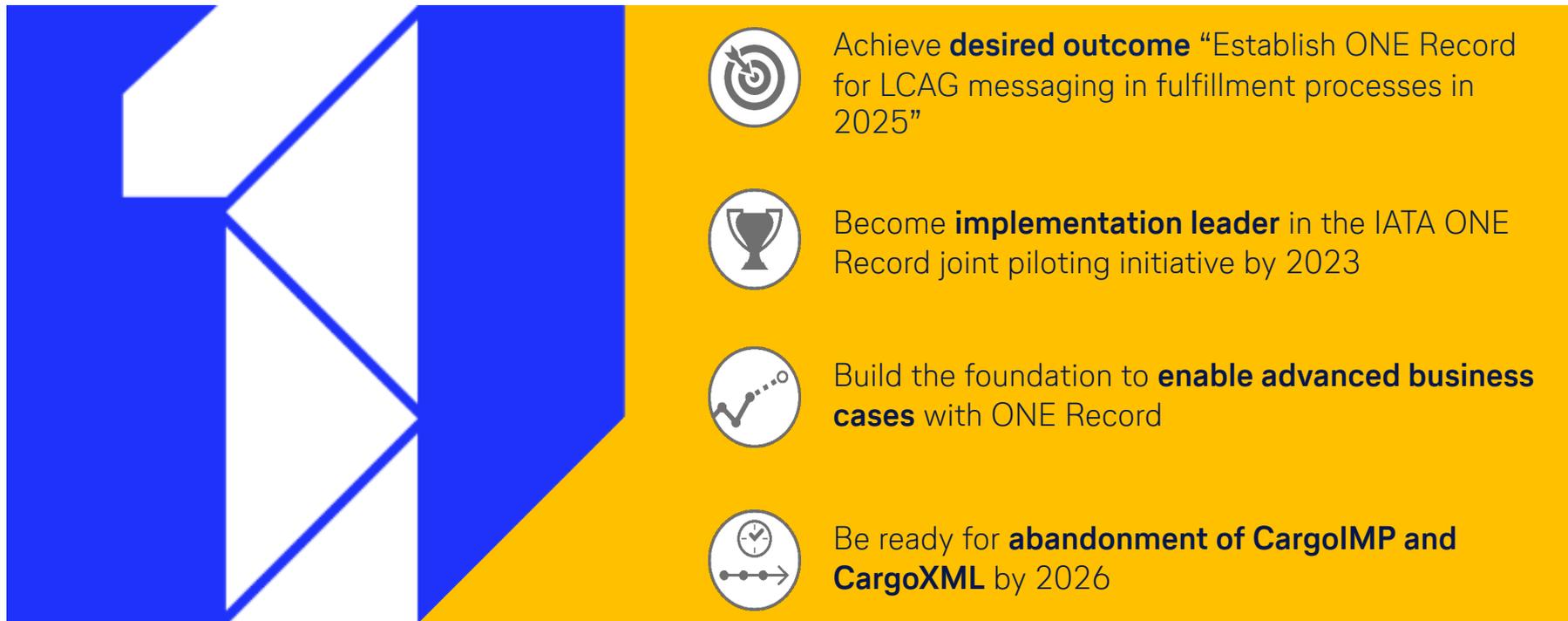


- Improved **ramp capacity** steering
- Better **precheck prio** using ETAs
- Acceptance based on **truck AWB lists**, not single AWBs



- Total **elimination of data capture** in ePortal
- **Faster turnaround** for trucks
- Fully **automated** preAdvice process

# We believe in **ONE Record** as the future of data exchange in the aircargo industry | we have set ourselves ambitious goals to let it become reality





# IATA ONE Record Hackathon – hosted by Lufthansa Cargo

Leverage ONE Record and Aviation APIs for the logistics supply chain  
23-25 June 2023

[Find teammates](#)

## Who can participate

- Above legal age of majority in country of residence
- All countries/territories, excluding [standard exceptions](#).
- Team required: 2 to 6 members

[View full rules](#)

• Submissions open soon

[View schedule](#)

Jun 23 – 25, 2023



[Lufthansa Seeheim](#)

[Public](#)

\$15,000 in prizes

48 participants



[E-commerce/Retail](#)

[IoT](#)

[Machine Learning/AI](#)

**Let us make history again!**

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**Lufthansa Cargo**  
Networking the world.