FIT FOR FREIGHT
Data exchange
This document is a sneak peak into the webinar organized in November 2022, UIC Freight month. Full version is available on UIC Extranet or upon request.

1. RailData – Developing for the future
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DEVELOPING FOR THE FUTURE
Who is RailData?

RailData is a special group of the UIC, established in 1995.

We develop and run Data Exchange platforms for European freight railway undertakings.

We are a non-profit service provider, owned and steered by UIC-RUs.

Our RU users represent over 70% of yearly ton-km in EU.
Why was RailData established?

• RU’s win-win
• Competition & cooperation
• Before TAF TSI
• ...by improving the RU’s interoperability
Mission of Raildata

Enable seamless connection for RUs and the logistic chain:

• Simple
• Standard
• Digital
Products of Raildata

Our tools are the core element for digitalization of international rail transport:

• Exchange of data about wagons position and status
  ISR
• Exchange of consignment note data
  ORFEUS
• Database of commercial responsible for wagons
  CoReDa
• Trains and wagons handover quality management
  ATTI
Services of RailData

- Exchange of consignment note data (enabler for ECN): ORFEUS
- Tracking & tracing of wagons (using WSM, Hermes 30): ISR
- Train run information (input from RNE TIS): RTIS
- Connecting partners for first and last mile (using Hermes 30, WSM): WDI, MARS
- Train and wagon handover Quality Management: ATTI
- Wagon performance from RUs to Keepers: ISR mileage
- Wagon responsible data for fleet management: CoReDa
- TAF TSI compliance (ISR since March 2018, ORFEUS in progress)
UIC CODING ASSETS

Parinaz Bazeghi
UIC Senior Freight Advisor
Railway telematics coordination

• UIC is a unique platform that provides benchmarks, experience and best practice sharing.

• Digitalisation is key tool to facilitate business growth, reduce future costs and mitigate errors.

• UIC manages and develops a broad portfolio of transversal digital solutions, enabling efficient data exchange between supply chain partners.
• Train operations require data flow services, **UIC leverages & further develops key assets to facilitate efficient data exchange.**

• **UIC IT study group** steers the development of key coding assets.

• Interested to join us? Reach out to Parinaz – bazeghi@uic.org
STANDARDIZED MESSAGES
• HERMES (Handling through European Railways Message Electronic System)

→ HERMES is the operational communication message for international and interoperable freight traffic.

→ HERMES forms the basis for ensuring that the operational data required for the continuation of the train at the handing-over point from RU to RU does not have to be recorded again.

→ HERMES-data exchange is carried out in accordance with the UIC leaflets / IRS 40404-2 and 90920-13 (coding).
Countries with HERMES using RU
USEFUL LINKS

https://uic.org/freight/seamless-data-exchange/

https://www.raildata.coop/

https://dp-rail.eu/

https://www.railfreightforward.eu/
GET IN TOUCH WITH US

CONTACTS

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Check Fit for Freight podcasts on YouTube

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Thank you for your attention.