



INTERNATIONAL UNION
OF RAILWAYS

Hermes 30

For Train Composition message and more



What is Hermes 30?

The **Hermes 30** (Handling through European Railways Message Electronic System) message comprises the data to be exchanged for the operation of trains, forwarding of wagons, intermodal units, and other rail vehicles. The **Hermes 30** message is defined as an XSD (XML Schema Definition) file, ensuring structured data exchange between Railway Undertakings and infrastructure managers.



- ▶ **HERMES 30 V 2.0+** is compliant with TAF TSI
- ▶ Based on **IRS 40404-2** & **IRS 90920-13**, managed by UIC

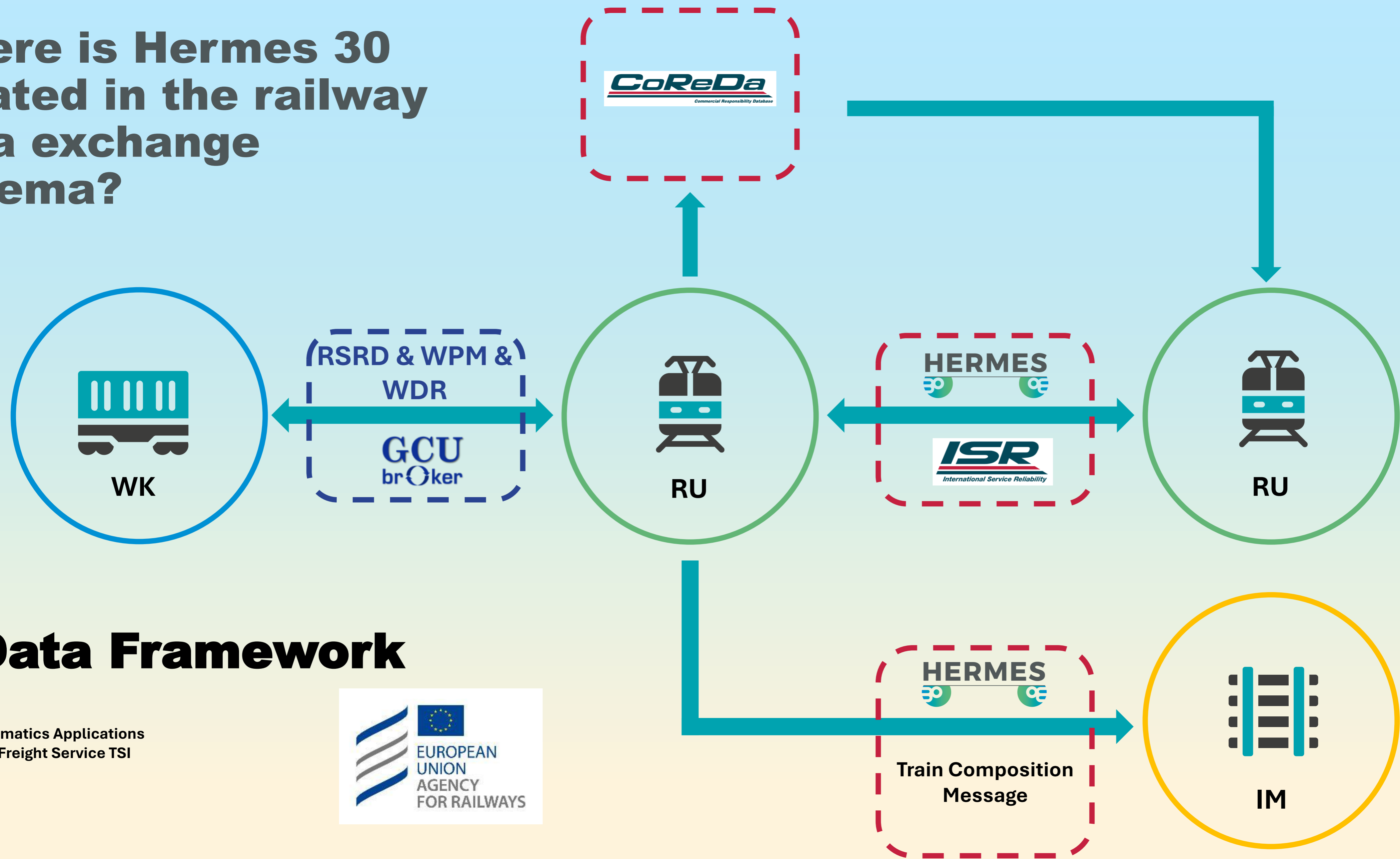


- ▶ **Streamlining** train handovers with advance data
- ▶ **Eliminating** additional data entry and stop for data capture at handover points



- ▶ The exchange is currently based on **bilateral agreement**

Where is Hermes 30 located in the railway data exchange schema?



Data Framework

Telematics Applications for Freight Service TSI



Data Flow: What Data is Shared and Who Receives It?

RU – RU communication

- ▶ Enable the taking-over RU to continue train operation without additional data-input
- ▶ Message is related to the train content at the handover point.

Content

- Technical Wagondata – brake-equipment, loadmatrix, REV-Daten;
- Information about wagon damages;
- Dispatch & destination station of each wagon;
- Information about wagon-routing;
- NHM-number;
- Information for customs;
- Information about ILUs.



TCM*: RU – IM communication

- ▶ Inform the IM of the train content for improved route disposition.
- ▶ Message is related to the route.

Content

- Technical Wagondata – length & weight, actual brake-data, restrictions;
- Exceptional transport information;
- RID information.

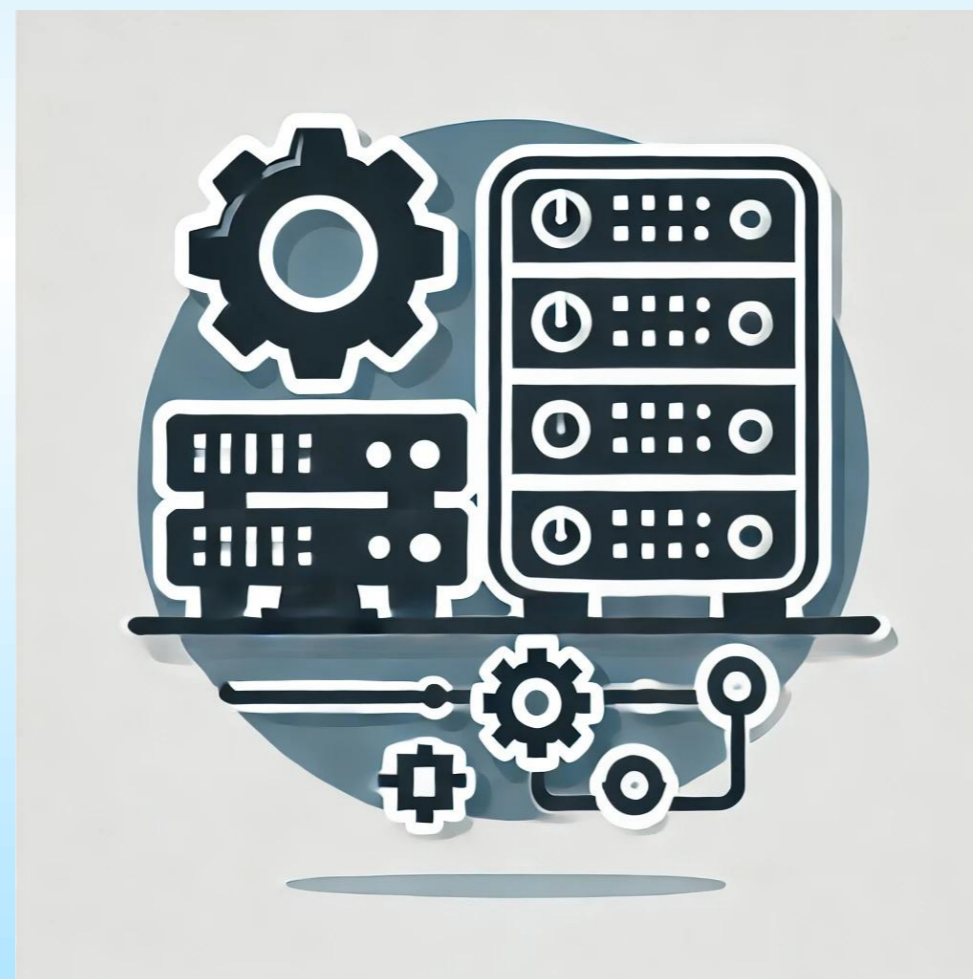


- ▶ TCM is a subset of HERMES 30
- ▶ IM required content is also defined in IMs' Network Statement

How to implement? What are the prerequisite?



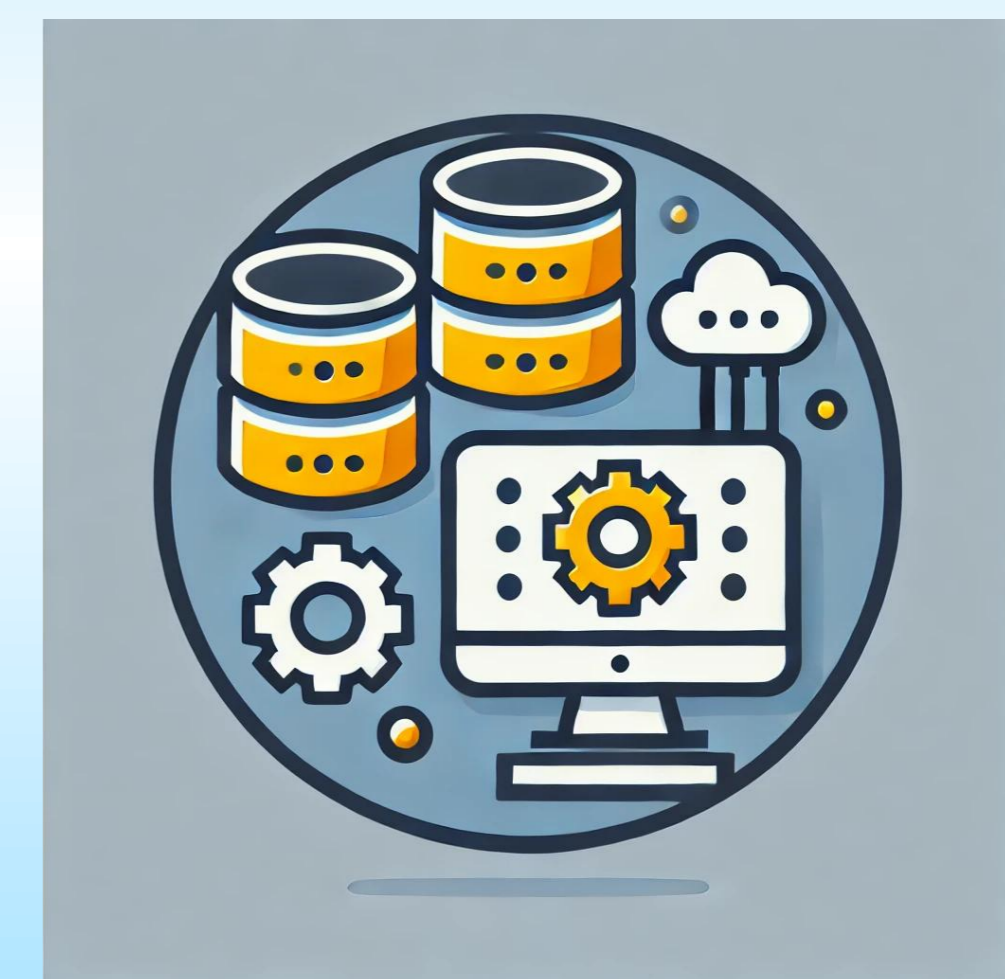
**FTP / SFTP
account and connection**



**IT Production system
to support the
business**



**The required data to
create / to build a
HERMES-message are
provided from this IT-
application.**



**The incoming HERMES
30 messages should be
processed, and the data
should be put into this
IT-application.**

Contact

GRU expert group manage
HERMES 30 within UIC IT Study
Group activities.



<https://uic.org/freight/data-exchange/article/hermes-30-gru>

The group consists IT experts of
different Railway Undertaking.
You can send your questions or
your feedback to



- Juergen.hiller@deutschebahn.com
- Bazeghi@uic.org

