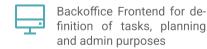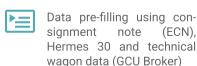# MARS

A RAILFREIGHTFORWARD INITIATIVE

MARS

Mobile Application for Railfreight Services (MARS) is a user friendly web application to ensure the communication flow between partners operating in the first mile, last mile and transit on behalf of a lead RU.

MARS is part of the DP-RAIL initiative, which aims at enhancing digital exchange between rail freight workflows to support the modal shift to rail.

FEATURES

- Backoffice Frontend for definition of tasks, planning and admin purposes
- Mobile Frontend for performing tasks on site offering offline capability
- Data pre-filling using consignment note (ECN), Hermes 30 and technical wagon data (GCU Broker)
- Template functionality further reduces the effort of data entry
- Proper exception handling foreseen (e.g. manual process if ECN is missing)
- Sophisticated user roles and authorization concept
- TAF/TSI compliant

First Mile
Customer siding

Consignment note info & technical wagon data

Pulled
Handed over
Hermes 30

Transit

Hermes 30

Taken over
Wagon refused
Handed over
Hermes 30

Last Mile
Customer siding

Hermes 30

Taken over
Wagon refused
Delivered

First Mile

Pick up a wagon

A pickup task is created by the back office based on available consignment note information. Shunting staff performs the wagon pickup, closes the task and a Pulled message is generated and sent.

Hand over a train

A hand over task enables shunting staff to check train information via mobile device (e.g. wagon sequence) and correct the given information if necessary. Closing the completed task generates and sends a Hermes 30 and a Handed over message.

Transit

Take over a train

Based on Hermes 30 a task is automatically created which then will be managed by the appropriate staff member. A Taken over or Wagon refused message is created and sent.

Transit a train

The train is taken over, new train information is set and the train is handed over to the next partner. A Handed over message and Hermes 30 message are created and sent.

Last Mile

Take over a train

Same as for transit

Delivery task for location

Back office plans a delivery and composes the task for the shunting staff. When the task is closed by the shunting staff a Delivered message is generated and sent.

To join or for more information, please contact **info@dp-rail.eu** or visit **https://dp-rail.eu/mars/**