



UIP

RSRD²

Project Update

presented to
UIP Directors Committee/General Assembly
on September 29th, 2011 in Bern

RSRD² is already available; currently a pilot operation is running, to validate the system

Project Status Quo

- Software development completed in August 2011
- Start of pilot operation on September 1st 2011
 - About 90.000 wagons posted
 - Test users all over Europe (incumbent and private RUs, lessees, workshops)
 - Pilot operation until mid-November, afterwards review / finalize
- Start of regular operation planned for Q1, 2012
- Mileage interface and standard message defined and implemented
- Raildata already connected to RSRD² during pilot operation, submitting mileage data from RD stakeholders
- Currently system introduction to additional potential test users all over Europe

Although 15 external companies test the system already, additional 10 – 15 test companies are required

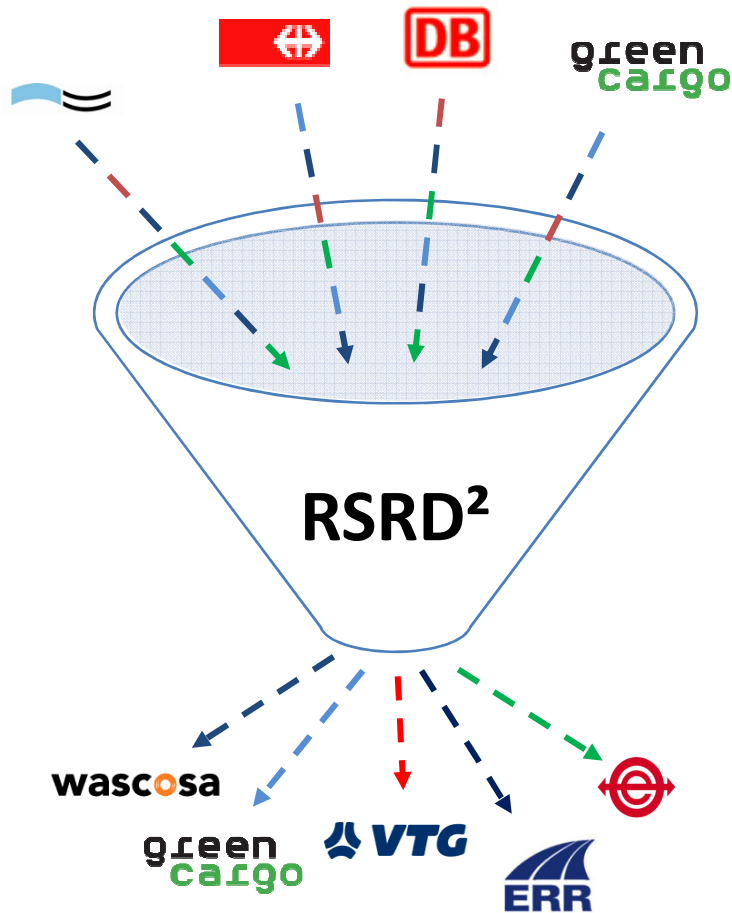
External Test Users



- Currently 15 external companies testing the RSRD² system
- No electronic interfaces developed (only access via GUI/internet)
- For a successful and representative feedback 25 – 30 companies should test the system
- Therefore additional 10 – 15 test companies required
- Support by keepers and national associations: announce the topic to potential test companies (esp. railway undertakings and wagon lessees)
- Test is for free, feedback expected

Keepers require detailed mileage information on single trip level from RUs to verify data quality and consistency

Collection and Processing of Mileage Data



— — Mileage messages

- Keeper/ECM require mileage data to fulfill safety and maintenance duties
- Only the keeper as final collector of mileage data from several sources can check and verify data quality and consistency
- To guarantee a high output quality (monthly wagon mileage), e.g. for maintenance interval adjustments or noise-related track access charges, detailed and verifiable input data are required
- Therefore mileage data on single trip/ journey level with position data must be provided by the RUs (under discussion)
- RSRD² has already developed such standard mileage message fulfilling the needs of the keepers

▶ **Controversial discussions with RUs**

To get the demanded data from the RUs, several approaches will be followed

Mileage Delivery Approaches

Political Lobbying

- Explain reasons for demand for detailed mileage information
- Demand to stipulate the provision of detailed mileage data (incl. location data) from RUs

Contractual Obligations

- Extension of keeper GTCs to oblige the lessor provision of detailed mileage data during the renting period, incl. location data (by RUs)
- Previously discussion of approach with selected lessees (economically critical, other reservations)

Bilateral Persuasions

- Convince RUs regarding:
 - the requirement of detailed mileage input data (to verify and cross-check data from several sources)
 - the provision of location data to cross-check mileage message chains and to calculate gaps

An official and broad PR communication will start in-parallel with the regular operations in Q1, 2012

Communication/Marketing Approach

1st Sept.

Mid-Nov.

Pilot Operating Phase

- Intense system testing: bug fixing and improvement of usability
- As quality of the system cannot be verified before the end of the test phase, no official communication will be launched
- The system will be introduced to selected authorities, associations and members of the UIP

Internal and bilateral communication to selected stakeholders in the sector

1. Q 2012

Regular Operating Phase

- When "going live" with the system a broad communication/marketing campaign will be started
- Main targets will be:
 - the introduction of RSRD² to the sector
 - the acquisition of additional RU users (wagon data query and provision of mileage)
 - The acquisition of additional keepers (private and incumbent)

Active and broad public relations work to the whole sector



Contacts

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RSRD² provides an interface with a standard message structure to upload wagon mileage data by railways

Mileage Message Structure

Message	Field Name	Description
378053776100	Wagon number	Available wagon number (painted or TSI OPE)
22 34 (e.g. DBS)	Operating Railway	UIC RICS code of operating railway
33 54 (e.g. Raildata)	Message Provider	UIC RICS code of mileage provider
12.03.2011 10:15	Start Date/Time	Start date and time of message (triggered by defined event)
85245362	Start Location	UIC station code
14.03.2011 23:24	End Date/Time	End date and time of message (triggered by defined event)
85453526	End Location	UIC station code
224	Mileage	Mileage performance [km]
65	Gross Weight	Gross weight of the wagon [to]
3	Calculation mode	Mode: DIUM, GPS, tachymeter, Tariff km etc.
34 15 (e.g. SBB C)	Following Operator	UIC RICS code of subsequent operator

Start/End of messages triggered by defined events: beginning and end of a journey or hand over to another operator, all “wagon movement” shall be represented by the definition of a journey