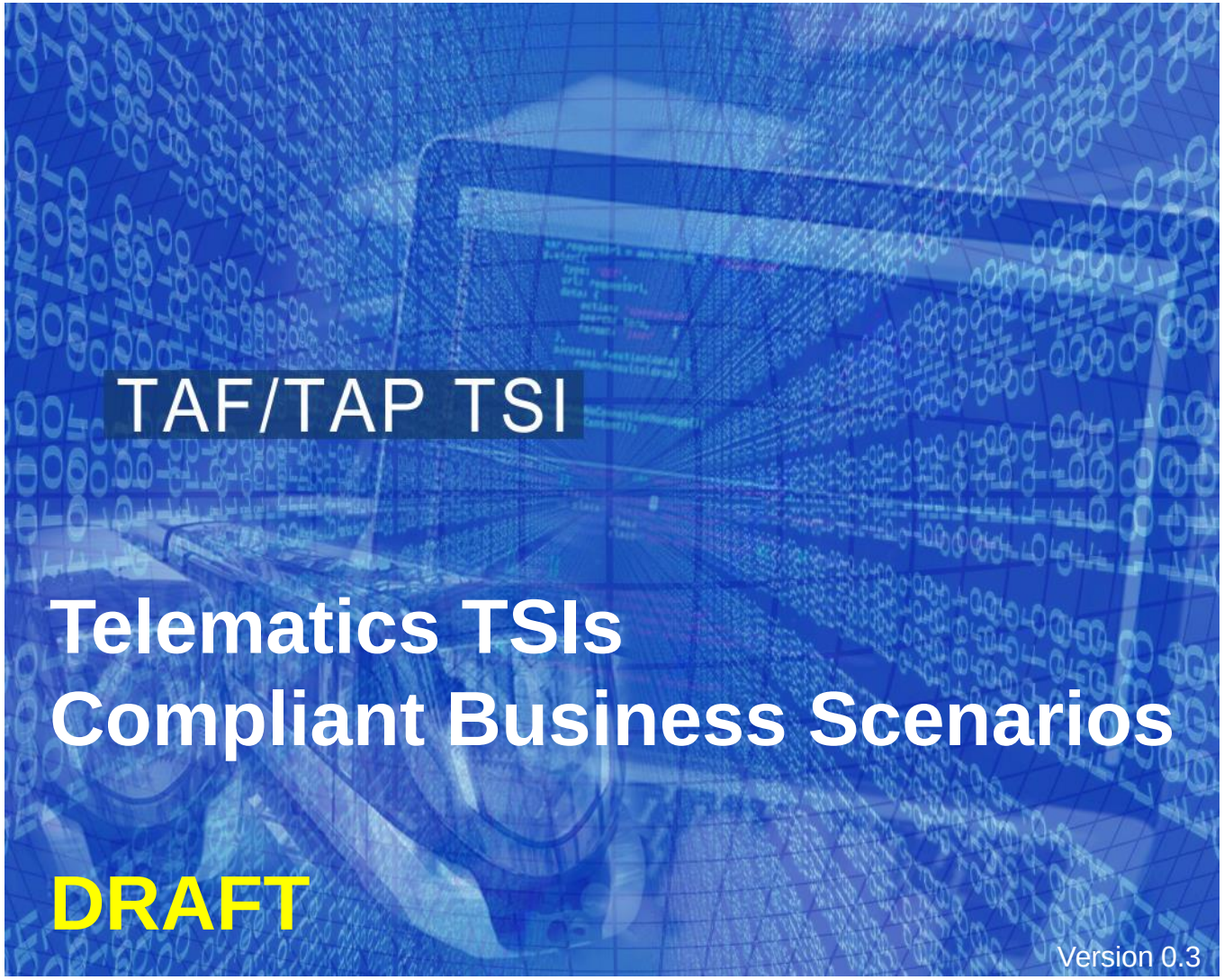

TAF/TAP TSI
Telematics TSIs
Compliant Business Scenarios
DRAFT
Version 0.3

Aim

For the processes for RU/IM communications described in the Telematics TSIs (TAF and TAP) the messages exchange between the actors shall comply with the prescriptions of the TSIs

In addition, depending on an agreement between the actors, existing standards may be used for the same purpose

Nevertheless as soon as a partner requires TAF or TAP compliant messages exchange the existing connection interface has to be migrated to support TAF or TAP TSI

In particular common sector tools exist since years and can be used for manual usage as long as the tool itself secures the TAF or TAP compliant messages exchange with other partners

The aim of this document is to present under which conditions the different business scenarios are considered as compliant with the Telematics TSIs

Recognition of other existing standards for TAF TSI

TAF TSI (reg. 1305/2014), chapter 4.2. Functional and technical specifications of the subsystem

"In addition, **other existing standards may be used for the same purpose if there is a specific agreement** between the parties involved to allow the use of these standards in particular on the territories of EU Member States having a border with third countries."

TAP TSI (reg. 454/2011), chapter 4.2. Functional and technical specifications of the subsystem, subchapters 4.2.14 to 4.2.17

"In addition, **other existing standards may be used for the same purpose if there is a specific agreement** between the parties involved to allow the use of these standards."

- There are a lot of existing standards for EDI implemented in IT tools in the Freight Sector (e.g. ISR, ORFEUS, HERMES 30, RSRD^2) or in both Passengers and Freight sectors (e.g. TIS, PCS)
- Based on these standards/IT tools an implementation of Telematics TSIs messages would be easier, cheaper and faster for all stakeholders

Definition of TAF or TAP compliance (1/2)

1. A message is **compliant** with TAF or TAP TSIs if:
   - The transport of the message uses the protocols of the Common Interface Specification
   - *And* the content of the message is consistent with the XML schema (xsd) of the TAF or TAP TSI agreed between the parties
   - *And* the message exchange is in accordance with the implied TAF or TAP TSI processes

2. By agreement between the parties, a direct access to the tool can be granted (e.g. web application).

   This direct access is considered as TAF or TAP **„soft-compliant“** if:
   - In case of manual input, all necessary fields shall be provided to feed TAF or TAP compliant content
   - Or in case of output (e.g. web application), all information shall be visible based on TAF or TAP compliant content

Definition of TAF or TAP compliance (2/2)

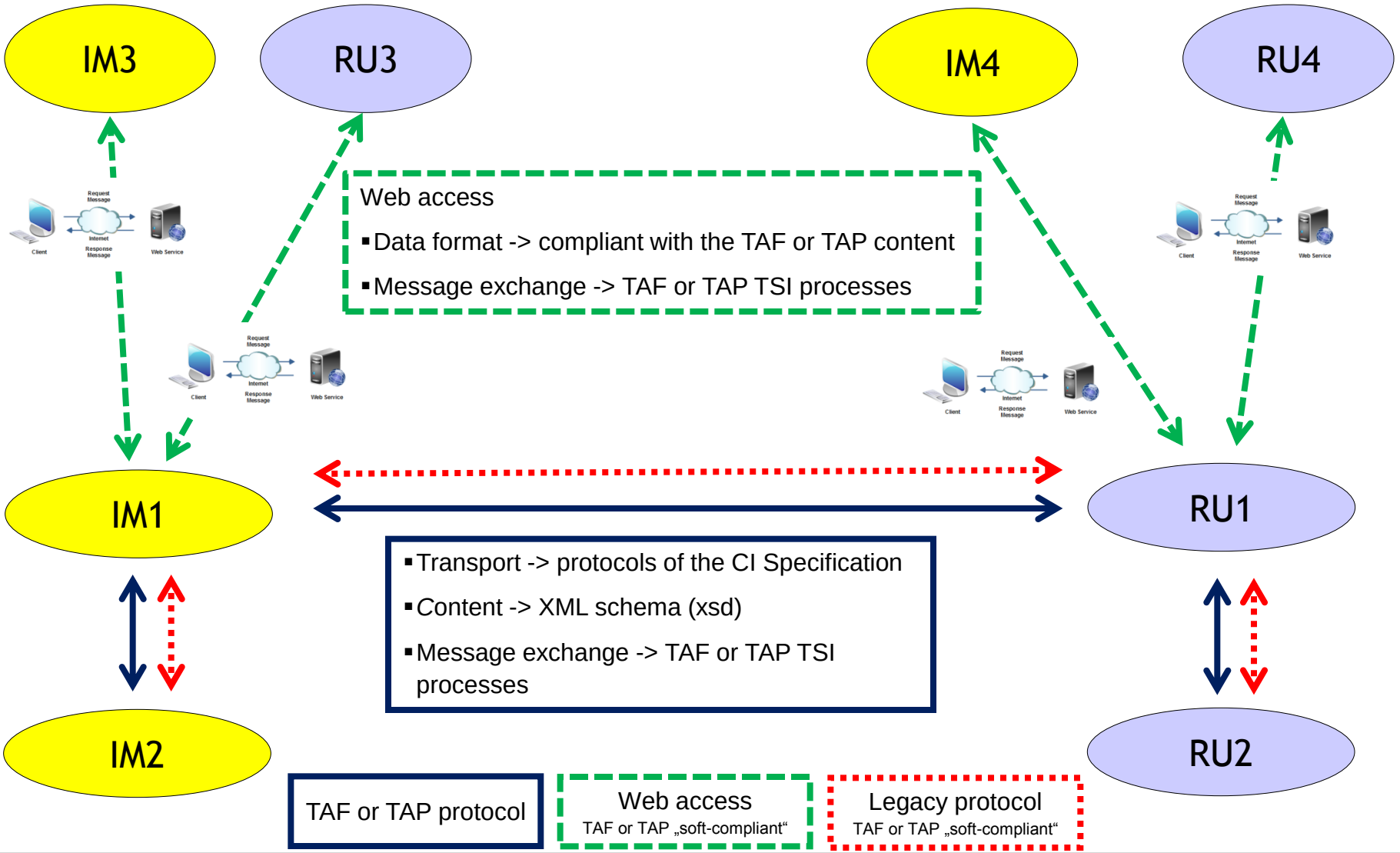
- 3. In addition, other existing standards may be used for the same purpose if there is a specific agreement between the parties involved to allow the use of these standards

  Strictly spoken these standards are not TAF or TAP compliant if they don't fulfill the conditions of point 1

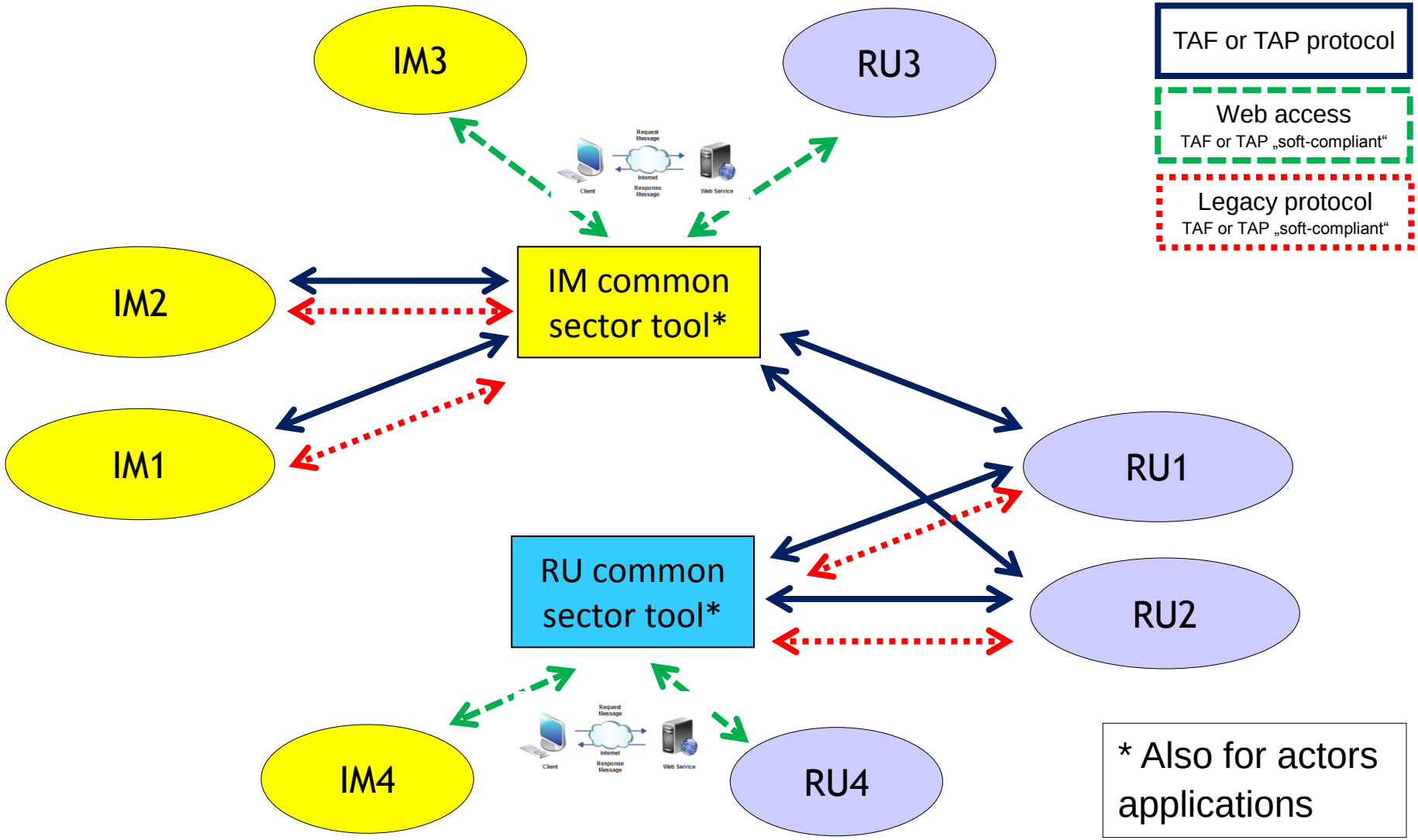
  Nevertheless they are considered as TAF or TAP **„soft-compliant“** if the attributes of TAF or TAP are exchanged

- 4. For common sector tools (or for actors applications), TAF or TAP **compliance or „soft-compliance“** is achieved according to points 1, 2, 3

In a glance – TSI compliance business scenarios when direct communication between IMs and RUs

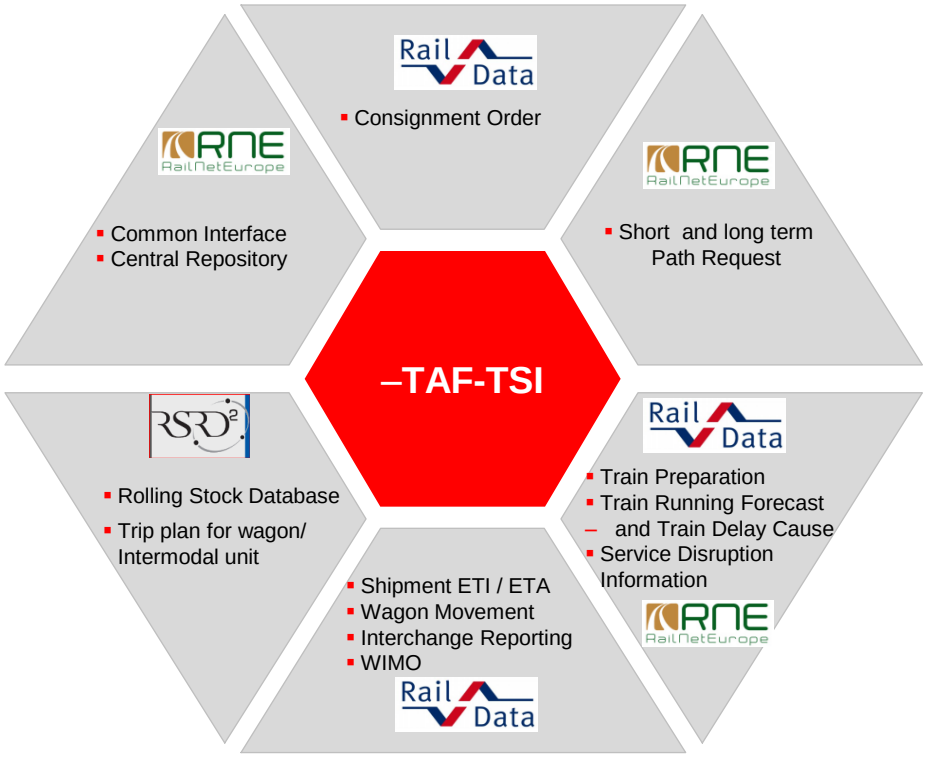


In a glance – TSI compliance business scenarios with common sector tools



Examples of common sector tools for TAF

Central Common Solutions

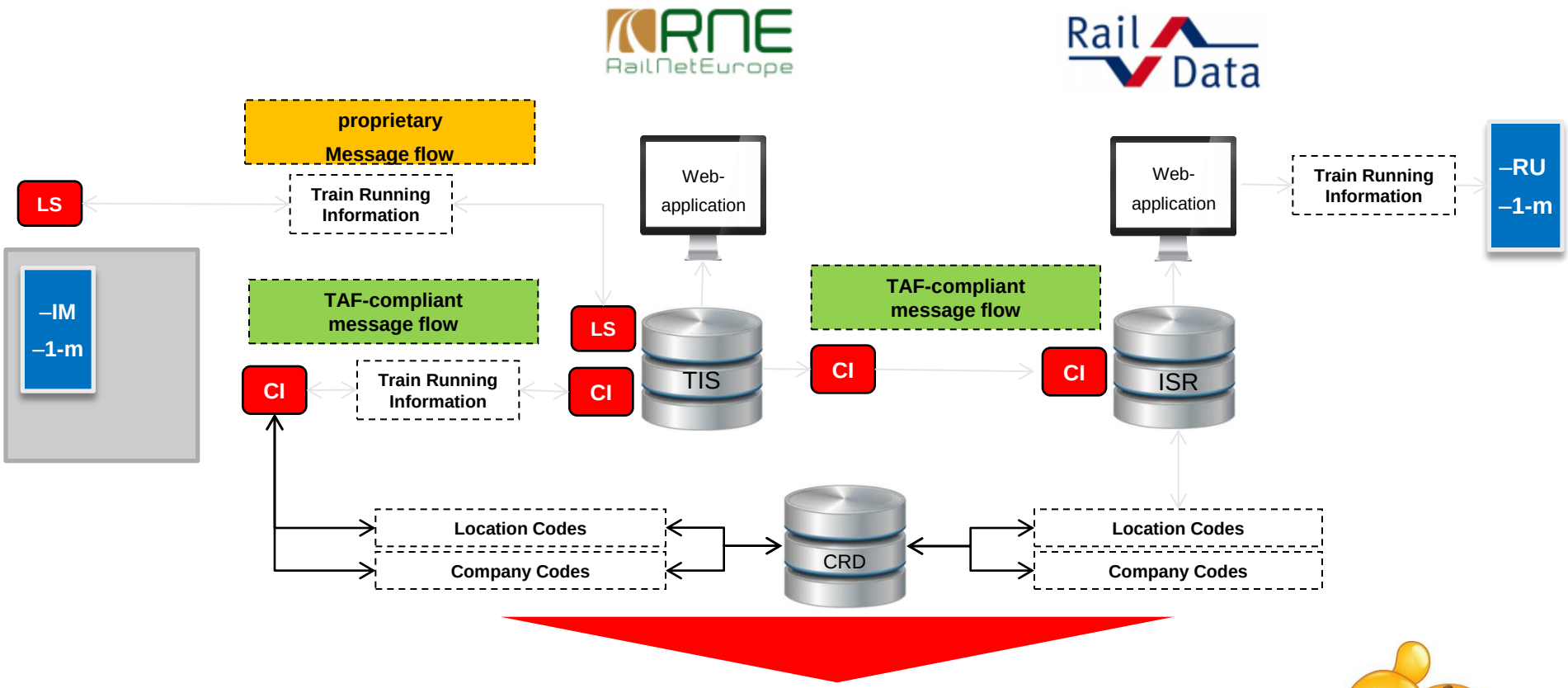


Assignment to the TAF TSI Cluster

- Raildata's **ORFEUS** could be used for the Consignment Order Messages
- RNE's **PCS** is intended for (international) Path Request Messages
- RNE's **TIS** could be used for Train Running Information
- Raildata's **ISR** is designated for Shipment ETI/ETA, Wagon Movement and Interchange Reporting
- **RSRD²** could be used for technical wagon information
- **CRD** shall be used for location coding
- CI specifications shall be used for data exchange

TAF TSI Compliance is already given for the RNE and RSRD² solutions and in progress for the Raildata solutions

Focus on message flow for train related messages via Raildata solutions: Train status in collaboration with RNE



TAF TSI-compliance for Train Running Information is given

- CI (Common Interface)
- CRD (Central Reference Data Base)
- TIS (Train Information System)
- ISR (International service Reliability)
- LS (Legacy system)