

# SBB Cargo International

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### Facts and figures



Shareholders:	SBB Cargo AG (75%) Hupac AG (25%)
Focus:	Cross border rail transport on RFC RALP, Combined transport / block trains
Certificates:	DE, CH, IT and NL
Market Position:	Largest rail freight operator in transalpine rail freight in CH (2018)  3rd largest rail freight operator in DE (2018)
Transport Performance:	11.356 billion net ton kilometers (2017) About 750 trains per week
Sales 2018:	CHF 327.9 Mio.
Locomotives:	145



# Digitalisation

#### Definition

• Digitalisation = Digitisation

Digitalisation is the process of converting information into a digital (computer-readable) format.

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Not only paper into computers 

it needs new processes and ideas

**Digital Transformation** is the use of new, fast and frequently changing digital technology. [...] Some of these digital solutions enable - in addition to efficiency via automation - new types of innovation and creativity, rather than simply enhance and support traditional methods.

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- Digital Transformation not a single company project
- → Needs the connection of digital data, standards for data exchange and process harmonisations.



# Digitalisation

### **Needs & Requirements**



### Customer:

- Quick and accurate information about train runs
- A reliable expected time of arrival (ETA)



### **Infrastructure Manager:**

Receive necessary, required, defined data



### **Railway Undertaking:**

- Efficient data exchange with partners / customers
- One standard way of digital communication
- Reduce costs for interfaces



## Digitalisation

Examples actual situation: National differences don't allow an European software implementation.

- PCS as international path ordering tool
  - "Works like a digital fax machine"
  - Many countries with national parameters;
     examples for RFC 1: min Belgium with 0 and max 27 in Germany
- Path ordering process
  - One general date to order the yearly timetable
  - Different processes in every country, what and how you can order
- Brake calculation
  - Differences in Germany, Switzerland, Netherlands and Italy but the physical wagons run trough
- Train Composition Messages (TCM)
  - Only the name is the same
  - The announced German version is different from the Netherlands version and the French version
- → More cooperation within the whole sector needed.



# TAF TSI in planning

#### A Solution?



European Standard for technical railway communication



✓ IMs agreed to put TAF/ TAP TSI into action by 2024



- → IMs consider TAF/TAP TSI as a basis with national specific requirements added
- Consequently national interfaces are not compatible with each other anymore
- TAF TSI one technical standard is needed

Cooperate for one standard, otherwise we are facing the ETCS fate!



## TAF TSI

#### Conclusions

- Sustainable standard needed one pure standard, consecutive evolution cooperation needed (→ adapt national rules and improve standard)
- → No national processes European unification of processes
- Transparency and clear responsibility
- → Auditing + Certifications by ERA for implementation of the pure standard

Only the focus on a pure standard with clear responsibilities and auditing will make TAF TSI sustainable successful.

