

4th Railway Package Energy Metering

Enno Wiebe (CER) and Javier Moreno (EIM)

ERESS Forum 2021

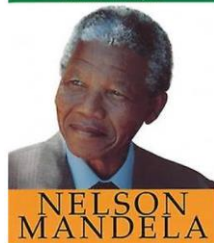
16.06.2021

Implementation of the 4th Railway Package – a first evaluation



- “The technical pillar is designed to boost the competitiveness of the railway sector by **significantly reducing costs** and **administrative burden** for railway undertakings wishing to operate across Europe.” *European Commission*

LONG WALK
to FREEDOM



- “I have walked that long road to freedom. I have tried not to falter; I have made missteps along the way. But **I have discovered the secret that after climbing a great hill, one only finds that there are many more hills to climb.**” *Nelson Mandela*

Return of Experience 4th Railway Package from the sector stakeholders – Challenges

Safety

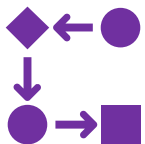
- Border Stations
- Diverging national approaches by the NSAs

Interoperability

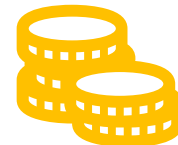
- VA processes (incl. C2T) – complexity of the processes
- Diverging national approaches by the NSAs
- Route compatibility assessment

ERTMS

- ERTMS Trackside Approvals - complexity of the processes



Complex processes at EU level (SSC, VA; ERTMS TS) at European level ...



...led to **cost increase** on the side of the sector stakeholder/ applicants

Discussion

- Installation of onboard Energy Measurement Systems
 - New rolling stock
 - Existing fleet (retrofitting)
- Does the new legal framework of the 4th Railway Package boost or hamper the retrofitting of EMS?
- If so, which experience do we have?
- Do we have fact and figures to underpin our statement?