

# Energy metering on-board rail vehicles and invoicing – the EC's non-paper

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ERESS Forum

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# The EC Non-Paper

- “Draft guidance note on energy metering on-board rail vehicles and invoicing based on measured energy consumption”
- Drafted by DG Move – 18<sup>th</sup> April 2018
- Question from DG Move (Elisabeth Werner (Directorate C – Land)) to the sector if the topic is of importance for the sector

# Where to tackle the issue?

## ■ RU(s) Dialogue

- The **RUs Dialogue** offers a forum for regular and open dialogue between Rail Undertakings, the European Commission and the European Union Agency for Railways (ERA).
- The European Commission organises 2 plenary sessions per year in Brussels.

## ■ PRIME

- **PRIME** (Platform of Rail Infrastructure Managers in Europe) was established between DG MOVE and Infrastructure Managers at the end of 2013 with the objective to improve the cooperation of rail infrastructure managers across borders, support implementation of European rail policy and develop performance benchmarking for the exchange of best practices

# How was the issue tackled so far?

- Discussion on the topic on 07.05.2018 at the 16<sup>th</sup> Florence Rail Forum
- SBB Presentataion “Energy metering and billing – how seamless interoperability is hampered on the RFC Rhine-Alpine”
- First exchange of views between stakeholders and the EC
- The EC was made aware of the issue
- Possible allocation of the topic to SSG – the sector statement group
- *N.B. TSI ENE revision on-going*

# The EC's non-paper on energy metering

- The objective of this document is to provide all interested parties with
  - a **simple guidance** explaining key notions,
  - **best practices** and
  - **benefits** of **energy metering** and **invoicing** based on measured consumed energy

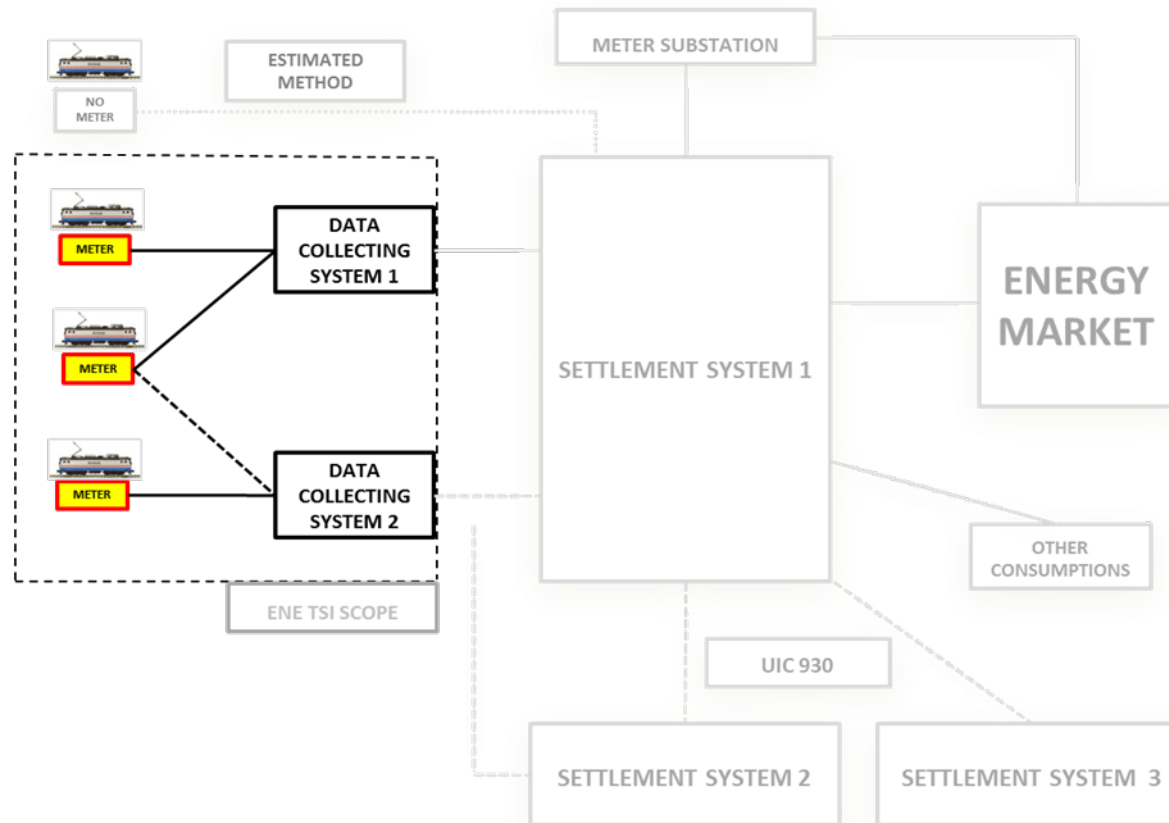
# The EC's non-paper on energy metering

- Make energy invoicing based on measured consumption happen → install energy meters on electric traction units
- Retrofit those electric traction units with the energy meters as quickly as possible → reap full benefits of energy invoicing based on measured consumption

# The EC's non-paper on energy metering

- MS to make sure that there is an operational settlement system in place
- MS to ensure that a data collection system able to collect data coming from the on-board meters is established
- There is a significant price tag for meeting all those conditions; however, there are also significant benefits

# The EC's non-paper on energy metering





# The SBB Point of view (presented in Florence)



## Interoperability in energy billing

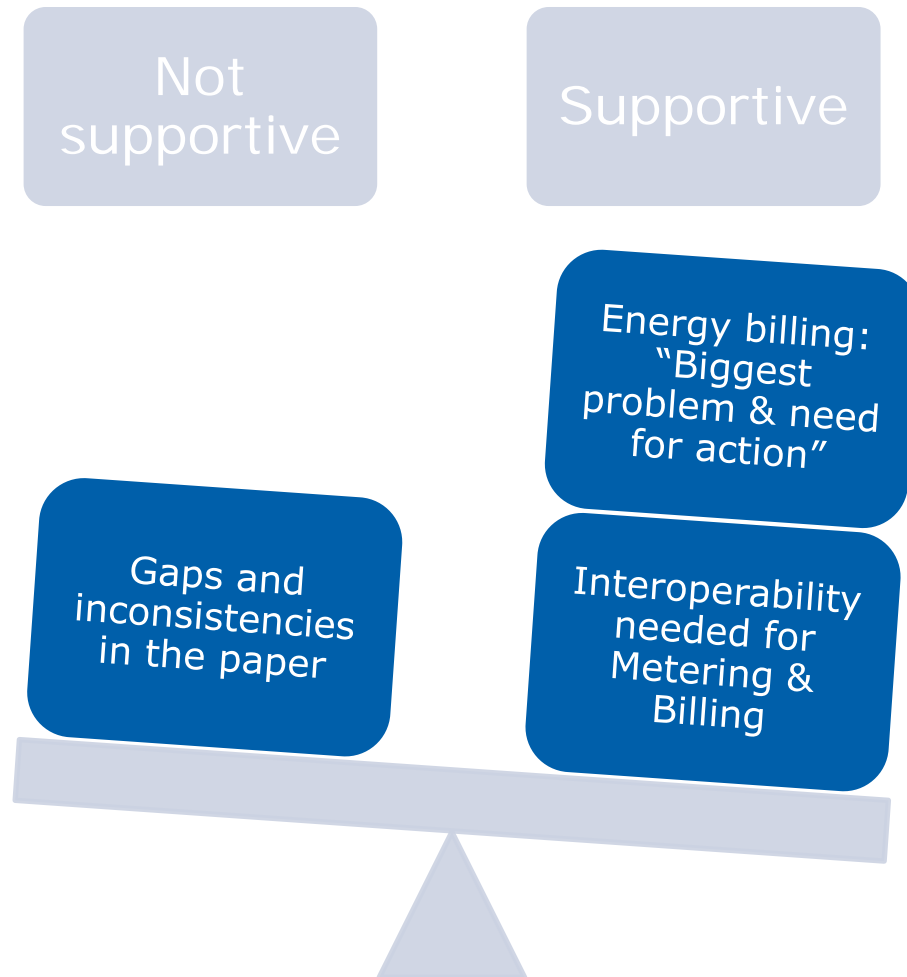
### Conclusions

Interoperability is needed in the field of energy metering and billing:

- (1) One european mandatory master database for TU
- (2) Harmonization of energy metering provisions for existing ETU
- (3) Harmonization of deadlines for the delivery of relevant energy billing data to all parties involved
- (4) TAP/TAF TSI standard for EVN/traction data delivery to IM
- (5) Harmonization of invoicing standards

*This is not yet an agreed CER position*

# The paper & the need for discussions - CER's point of view



# Questions to the ERESS Forum

- How important is this topic for the rail operating community?
- Where shall we tackle the issue?
- Who needs to be involved and where?
- What is the timeline?
- How do we ensure a concerted approach? (in terms of interfaces: ERA TSI, CEN/CENELEC EN, UIC leaflet/IRS)

# For further information:

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