

Presentation of answers of the Eress Forum Workshop



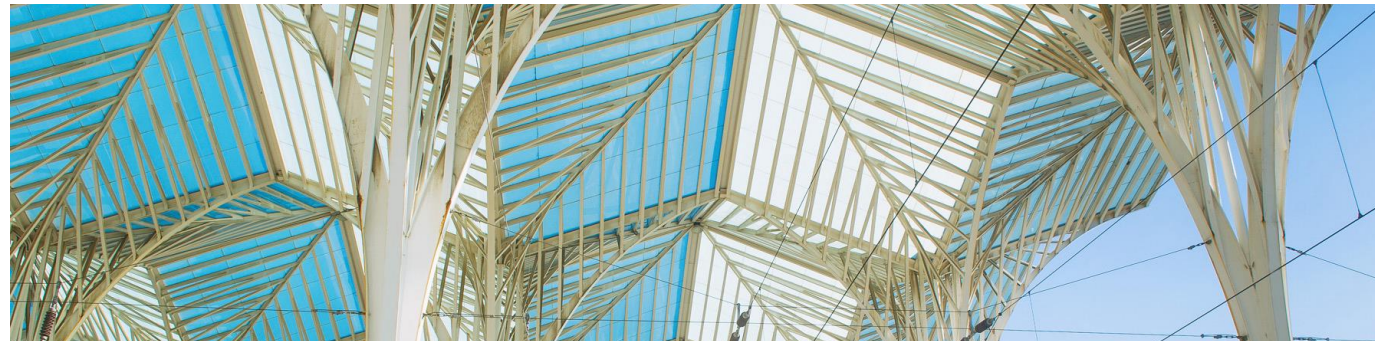
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Eress Forum Workshop



Workshop topic:

- What do we need to do to ensure the cross acceptance of Energy Measurement Systems in Europe?



Eress Forum 2024

Infraestruturas de Portugal



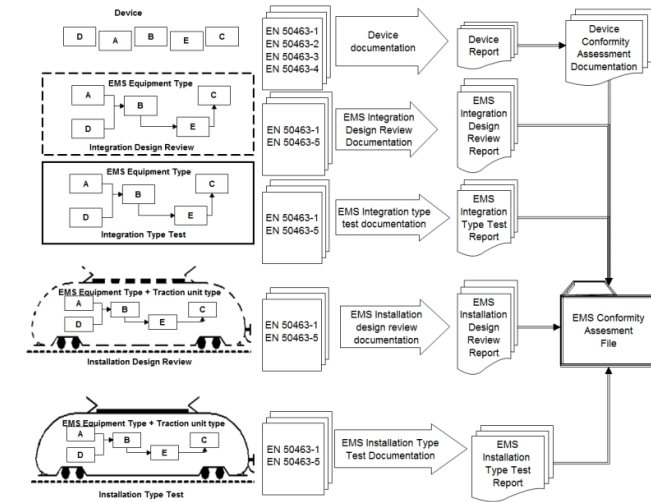
2 main areas were discussed in groups

Type Testing:

Background: The current Type Testing process for Energy Metering Systems (EMS) across Europe lacks uniformity. Different countries have varying procedures, causing inefficiencies and delays in cross-border energy data management.

Key Questions:

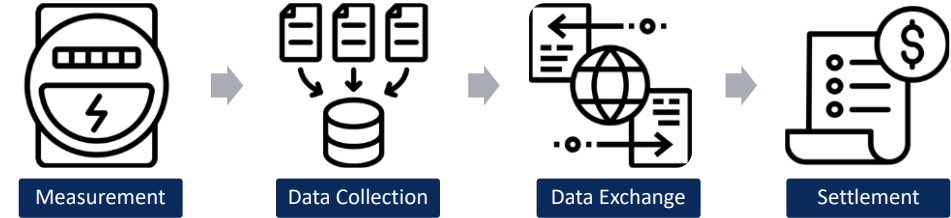
- How can we standardize the Type Testing process across Europe?
- Should Type Testing be conducted only once for cross-acceptance across all Traction Units (TUs)?
- Are there countries that still do not accept homologated Energy Metering Systems, and why?



2 main areas were discussed in groups

Cross Acceptance:

Background: The cross-border acceptance of EMS data and conformity assessments is inconsistent, making energy settlement and data exchange challenging for Train Operators and Vehicle Keepers.



Key Questions:

- How can we ensure that energy data and conformity assessments are accepted across all EU countries?
- Should there be a unified system for exchanging data between Settlement Responsible entities?
- What incentives or penalties should be implemented to encourage compliance with cross-border EMS standards?

Consolidated Pain Points from the workshop groups

1. Data Exchange & Standardization:

- IMs repeatedly request data already verified during vehicle authorization in other country.
- Lack of data sharing between IMs and no standardization on what IMs should ask.

2. Verification & Access:

- Incomplete EMS verification during vehicle authorization.
- VKs lack access to EMS verification info.
- No updates provided after EMS component replacement.

3. System Functionality:

- Some countries don't accept EMS data in their DCS.

4. EMS Performance:

- Homologated EMS may provide incorrect or no data to DCS.

5. Communication & Responsibility:

- VKs and RUs cannot verify EMS functionality due to no data access.
- RUs unable to report train composition.
- DCS Admins unsure who to contact for EMS errors.