

Governance & Compliance – Railway Market Services

Mission

- Our **Mission** is to provide consultancy to help the railway companies in the development and procurement of products conforming to international standards (IEC / EN, ANSI / IEEE, ISO, CMMI).
- We support customers in developing a **strategy for the safety and compliance of railway products** by managing the changes resulting from the new standards or new editions of standards.



Services



- **Adoption and implementation of technical standards** and relevant updates (e.g. EN 50128: 2011)
- Definition of processes not fully standardized (e.g. **Programmable Devices**)
- **Assessment** of products (EN 50128) and support for **incoming audits** and/or **supplier audits**
- **Training** on the CENELEC standards and quality
- **Development, verification and validation** of software and hardware

products in accordance with the CENELEC standards

- **Reverse compliance projects** in which the product is given but the documentation must be prepared in compliance with applicable norms
- Management of customer **projects on site** to ensure time, cost and quality
- **Qualification of T3 class tools** (e.g. compilers) in accordance with regulatory requirements.

Competences

Methods and techniques:

Hazard Analysis, Sneak Circuit Analysis, FMEA, UML, SA/SD, Petri nets.

Tools:

Aonix StP, MagicDraw, Telelogic Doors, Polarion.



Norms and standards:

Quality Management Systems: IRIS ISO 9001	European Railway Standards: EN 50126 EN 50128 EN 50129	Testing Laboratories Accreditation: ISO 17025
Improvement Models: CMMI	American Railway Standards: IEEE Std 1558™-2004	Functional Safety Standards: IEC 61508 IEC 61511

Links

Norms

[CENELEC - European Committee for Electrotechnical Standardization](#)

[IEEE Std 1558-2004 - IEEE Standard for Software Documentation for Rail Equipment and Systems](#)

Railway Safety Authorities

[The European Railway Agency](#)

[The German Railway Authority](#)

[The French Railway Safety Authority](#)

[The Italian Railway Safety Authority](#)

News

[Railway Gazette International](#)

[Railway News](#)

[EN50128:2011 in Europe - LinkedIn Group](#)

[rai-safe expert team](#)

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