

Association of ISO17025 accredited laboratories for ERTMS



ERTMS Accredited Labs (EAL)

is an association of laboratories accredited for Subset-076, Subset-085, Subset-116, among others.

EAL has been **recognized** by the European Commission as a Representative Body at the European Union Agency for Railways, and its members contribute to the update and corrections of the test specification of ERTMS.

Objective and scope of activities: The objective of the Association is to **promote, support** and **accelerate** the deployment process of the European Rail Traffic Management (ERTMS) and the European Train Control System (ETCS) from the point of view of the testing and validation, as well as from the research community.

ERTMS Accredited Services:

Subset-076, Subset-094: functional tests for the ETCS onboard unit using the Subset-094 test environment and required for certification of conformity with the System Specification Subset-026.

Subset-085: EuroBalise and BTM interoperability tests required for certification of conformity and suitability for use of EuroBalise / BTM data transmission defined in Subset-036.

Subset-103: EuroLoop tests required for certification of conformity and suitability for use of the EuroLoop Subsystem, as specified in Subset-044.

Subset-116: EuroBalise on-board equipment susceptibility tests for verification of compliance with the mandatory requirements of Subset-036.

Subset-RBC®: RBC tests to validate RBC against Subset-026 and Subset-039 applying for the RBC the same methodology as Subset-076 for the on-board equipment.

Subset-ESC®: ETCS System Compatibility tests to validate interoperability and compatibility relating to control-command and signalling on-board and trackside subsystems.

Subset-KMC®: Onboard-KMC tests for testing the on-board exchanges with Key Management Center according to Subset-137.

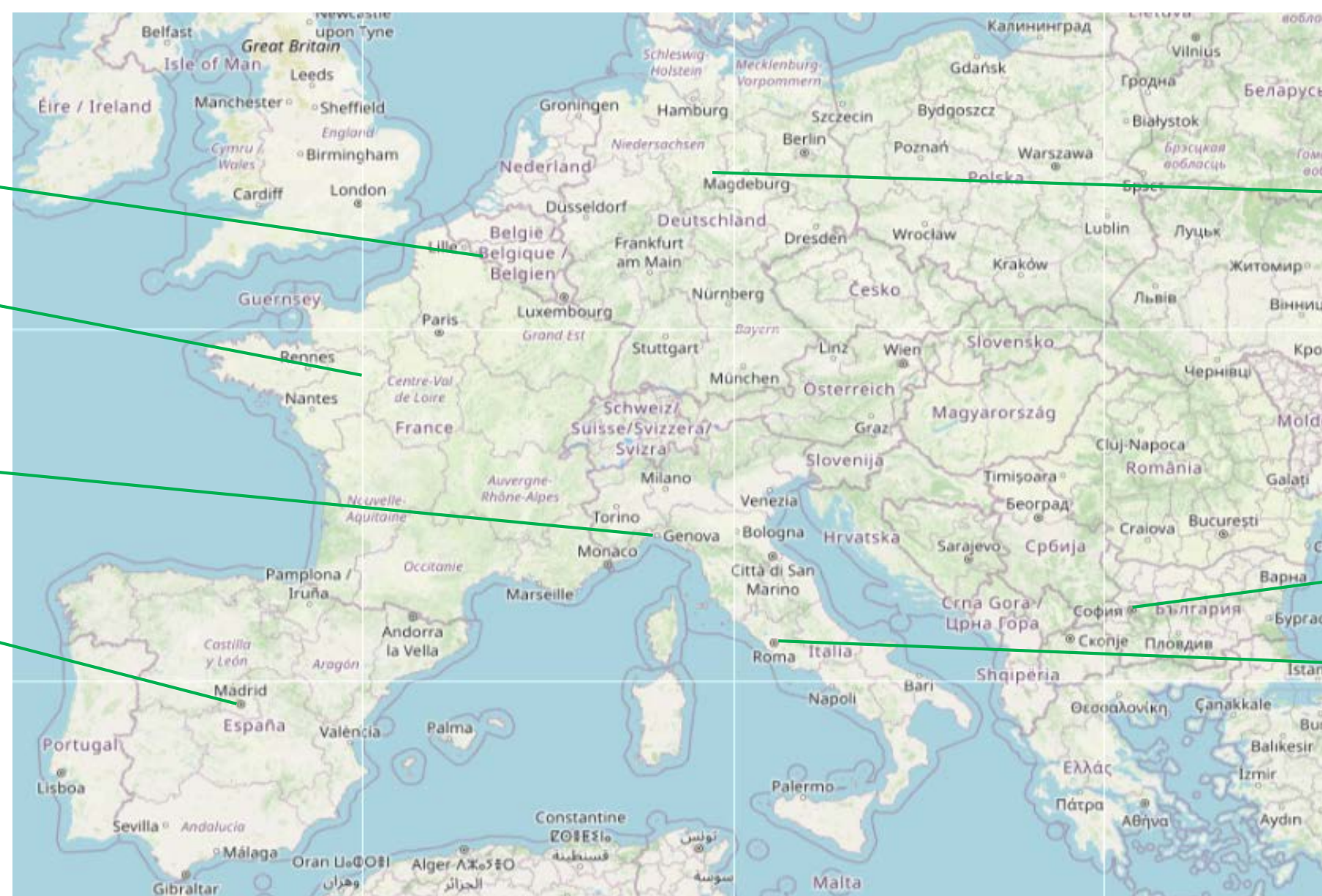


MULTITEL

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The Association will pursue its objective inter alia by conducting the following activities in the field of ERTMS/ETCS:

Providing **lab platforms to test ERTMS** components and subsystems both for components certification and for subsystems (trackside and onboard) validation and interoperability demonstration;

Providing **representation, expertise and advice** to other stakeholders, e.g. industrial companies, ETCS suppliers, railways, European Bodies as UIC; UNIFE, European Union Agency for Railways, the European Union and its Member States, about the results and needs of European testing and assessment;

Actively participating as a partner in the creation and implementation of the appropriate **projects**;

Reaching a better gathering of the above-mentioned **research community** by mapping existing research competences, facilities and expertise and maintaining a respective knowledge base for its Members and third parties;

Formulating joint views on existing and future needs on **infrastructures and programmes for ERTMS testing and validation**; special attention will be drawn to the interrelation and cooperation between test and validation laboratories, with the support of national, European and international programmes;

Issuing any other **coordinated positions** on ERTMS standards tests and assessment and representing the interests of its Members in general towards third parties.