Multitel
Railway Certification

MRL-RBC-TB

Multitel's ERTMS Laboratory for RBC Interoperability Test

The Railway Certification department of Multitel is specialized in ERTMS testing solutions. It gives support to the certification, provides performance and reliability test solutions to railway industry and offers maintenance solutions, train/track validation, validation support of ERTMS deployment and interoperability test solutions to railway infrastructure managers.

MRL-RBC-TB will bring you a full and integrated solution for the Interoperability and Compatibility tests for trackside equipments.

You are a Rail Infrastructure Manager (RIM) and you are looking for a complete **integrate laboratory** for **interoperable and compatibility tests for trackside equipments**? You wish to ensure that the railway signalling systems provided by your different suppliers are completely interoperable and fully compatible?

Your network is facing some troubles because trackside equipments do not communicate properly with the Onboard equipments and you are not sure where the issue came from in order to determinate the responsibility of the supplier, so you wish to investigate further?

Or just simply, you wish to ensure that a new project, a new line that will enter in the service will be fully compatible and work properly?

You wish to prevent troubles and lost caused by interruption of your network due to incompatibility of sub-systems?

THEN the **Multitel's ERTMS Laboratory for RBC Interoperability Test** (**MRL-RBC-TB**) is a reliable solution for your concerns.

What is MRL-RBC-TB?

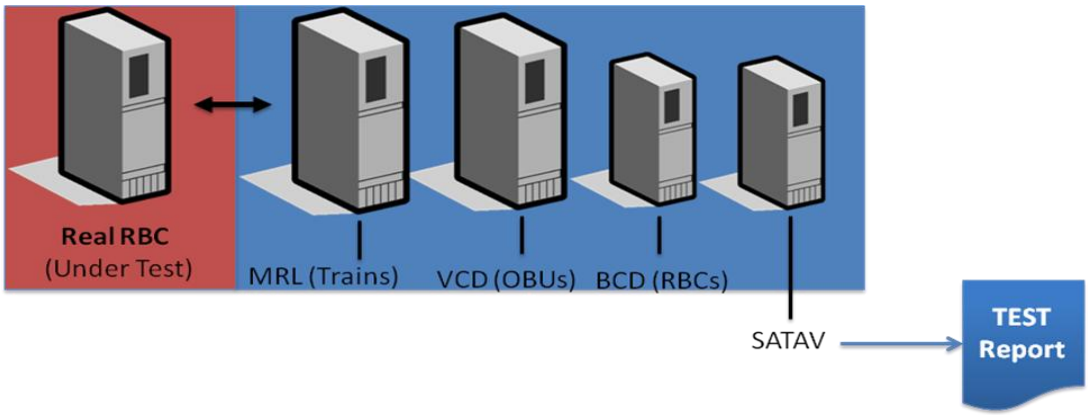
MRL-RBC-TB is for **compatibility test** according to Control **Command and Signalling Technical Specifications for Interoperability (CCS TSI).** The **MRL-RBC-TB can also be used to test trackside equipments other than ERTMS.**

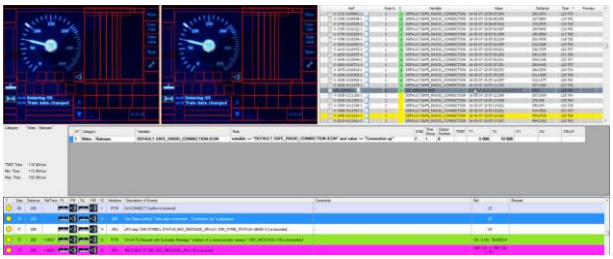
MRL-RBC-TB = a complete solution built and adapted according to your own need.

MRL-RBC-TB = a complete test environment capable to solve interoperability and compatibility issues.

MRL-RBC-TB = a fully integrated laboratory to test any combination of components and sub-systems at system level.

MRL-RBC-TB includes also tools created by Multitel to design, update and create test databases. The **MRL-SCT-LED (Language Editor)** tool is used to create the language models. The **MRL-SCT-TCD (Test Case Designer)** is used to create test cases. And the **MRL-SCT-TSD (Test Sequence Designer)** is used to create the test sequences. Thanks to the use of these tools that the Subset-EVC-DB was created. Not only limited in the creation of databases for ERTMS standards (defined in the ETCS component), they are also used for KRTMS (defined in the KRTCS-2 component) and CTCS to test high-speed train control systems (theoretical speed up to 600km/h).



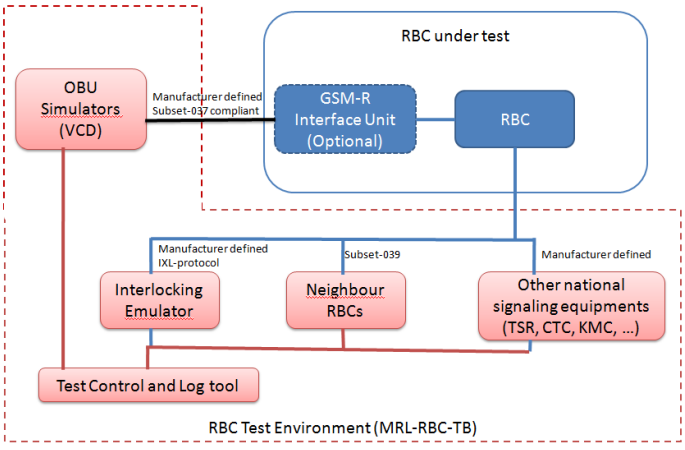


SA-TAV- validation tools

MRL-RBC-TB support most of the standards of railway signalling:

- ERTMS (Subset-026, 037, 039)
- KRTMS
- CTCS (refer to specifications TB/T3330-2015, TieYun[2012]212°).

MRL-RBC-TB general introduction



ISO 9001 BUREAU VERITAS Certification

BELAC 427-TEST

EVC tests (Subset-076, Subset- 094)
Eurobalise/BTM tests (Subset-085, Subset-116)

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