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Technical Document

Complementary information for the ETCS DMI in Baseline 3 Release 2

Background

In the meeting 75 of the Railway Interoperability and Safety Committee, the specifications for ETCS Baseline 2 Release 2 were approved, as part of the recast TSI CCS; at the same time a remit was given to the European Railway Agency to specify, in cooperation with the sector, the additional information elements to be shown on the ETCS DMI. The Annex A of the TSI CCS included a suitable a reference to those specifications.

The remit defined clearly the boundaries and scope of the additional information, justified by the requests of some MS and part of the Sector to better support the driver in his/her task when confronted with reduces adhesion conditions.

The Agency was requested to specify the solution by June 2016, with the explicit objective to have it available at the same time as the adoption of the ETCS B3 Release 2.

Development

The Agency organized the analysis of the operational needs and the development of a technical solution in dialogue and with the support of the experts of the sector. The existing Change Control Management procedure was applied. Dedicated sessions of the existing EECT (Extended ETCS Core Team) Working Group were employed to gather experts and progress with the discussion. The minutes of the meeting 18, 19 and 20 from March to May are published on the Website of the Agency. A consensus was found on the proposal put forward by the Agency: the solution and the relevant discussions are logged in the ETCS Change Request database . The technical solution respects the principles set out in the remit, with no new packets in the air gap, no new variables and no new national values.

To define completely and unambiguously the complementary information for the ETCS DMI, it is necessary to introduce modifications not only in the DMI document, but also in the corresponding requirements expressed in the connected and ancillary documents: ETCS Glossary, System Requirement Specifications, Juridical Recording interface. The analysis of the complementary information from the safety point of view was carried out with success, as reflectedt in the updated version of the document "Safety Requirements for Technical Interoperability".

To respect the key principle of compatibility, the Baseline Compatibility Analysis (BCA) was carried out on the solution proposal, to verify its compatilibty with the previous versions: this also results in an updated version of the BCA Report, published on the website of the Agency and referenced in the Application Guide.

Outcome

The technical specifications, safety and compatibility analysis have been successfully completed in due time according to the remit.

Due to the detailed and widespread nature of the additional clauses to be considered in different documents, the Agency and the Sector agreed that the best solution is to consolidate the content of the technical work into the relevant specification documents, producing the updated version of the Indices 3, 4, 5, 6 and 27 listed for the set #3 in the Annex A of the CCS TSI.