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Per email:
European Union Agency for Railways
(ERA)

Specification of the procedure for demonstrating the compatibility of the ETCS track-side and on-board components and the radio communication system according to Commission Regulation (EU) 2016/919 as amended by Commission Implementing Regulation (EU) 2019/776

Based on the request of the European Union Agency for Railways, Správa železnic, státní organizace (hereinafter referred to as SŽ) specifies the procedure for verifying the compatibility of on-board and trackside parts of the ERTMS/ETCS level 2 system.

1. For the technical compatibility control between ETCS on-board and trackside parts performance within the meaning of the point 4.2.17 of Commission Regulation (EU) 2016/919 as amended by Commission Implementing Regulation (EU) 2019/776, it is necessary to proceed according to the document SŽDC PPD-2/2018 (Infrastructure Manager Guideline to ensure smooth and safe rail transport – Compatibility Tests of on-board and trackside components of the ERTMS/ETCS Level 2 system).
2. Contact e-mail address for applicants to perform compatibility testing is **etcs@tudc.cz**.
3. All tests performed must be executed on the real trackside part of the ERTMS/ETCS L2 system, used on the relevant section (see the table at the point 3.18 in the document SŽDC PPD-2/2018) and / or on the railway test ring of the Test Centre VUZ Velim, owned by Výzkumný Ústav Železniční, a. s. (the Railway Research Institute).
On the railway test ring of the Test Centre VUZ can only be realized tests for the sections equipped with the same type of RBC and with the same RBC system SW version as is used in RBC on the railway test ring. Not all the required tests can be performed in the Test Centre VUZ, therefore, the recommended test section locations are listed in the chapter "List of recommended test sections" in the appendix of the document SŽDC PPD-2/2018.
4. SŽ requires testing according to the document SŽDC PPD-2/2018 for each type of ERTMS/ETCS on-board unit of the vehicle regardless of the vehicle series or specific form of installation. "Type of ERTMS/ETCS on-board unit" means a set of specific types (specific HW type and SW version) of the products which constitute of the ETCS on-board control-command and signalling subsystem and participate in its function, including Data Only Radio equipment for the purposes of ETCS, with a specific design of the interface ERTMS/ETCS on-board unit - vehicle (TIU).



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