

ERTMS implementation plan for Estonian conventional rail network

Estonia is not planning to implement ERTMS before 2013, after that date the implementation is possible on some sections of the network, the preparation works are planned for all network.

As ERTMS implementation in European Union has been identified using corridors strategy, for Estonia the priority has been outlined to the lines of the Crete corridor I together with the development of Rail Baltica project.

Under the point 7.4.2.3 of CCS TSI the possible development of existing class B CCS equipment (ALSN) is possible to use of Russian locomotives on Estonian network. The main reason for using this specific case is that the main international traffic flows of rail transport (both passenger and freight) are oriented to transit traffic from and to the CIS countries different gauge of railway.

Estonian part (278 km) of the European Crete I corridor is at the very end of the corridor Warsaw-Kaunas-Riga –Tallinn and therefore our ERTMS implementation strategy is compared with the strategies of neighbour countries Latvia and Lithuania.

The implementation strategy for ERTMS has been divided into three stages:

- I stage 2011-2014
 - Creation of Specific Transmission Module (STM) for existing Crete Corridor I railway line together with the other Baltic railways
 - 2014 - Feasibility study of Rail Baltica for decision of the further development of Rail Baltica network.
 - 2012 - Completion of Fibre Optic Lines construction on the entire network
 - 2012 - Installation of Microcomputer Axle Counting System for Semiautomatic block lines Tartu- Petseri (Koidula) and Palupera- Valga
 - 2014 - Modernisation of Interlocking of stations on lines Tallinn-Tapa, Tapa- Tartu- Palupera, Valga- Petseri (Koidula) and Tapa- Narva
- II stage 2012- 2017 - Replacement of the existing communication system with the GSM-R on the entire network
- III stage 2019-2025
 - Implementation of the ETCS second level is dependant from the phase of development of the technology.
 - 2025 - Modernisation of interlocking of stations for other lines

The planned dates are dependant from investment possibilities of Estonian railway entities. GSM-R implementation cost is planned 300 million EEK in 2007 prices, ERTMS on board equipment and ETCS on track cost is planned 1050 million EEK.

ERTMS project strategy as a part of Estonian Railways Ltd business plan 2007-2017 has been approved by Estonian Government.

