

3.1.4. European Rail Traffic Management Systems (ERTMS)

General objectives

The general objective is to deploy ERTMS on the trans-European transport core network, including land-based and on-board components. Particular consideration should be given to the equipment of corridors and their connections, to the removal of procedural or technical barriers in particular at cross-border sections and to projects which underpin the maturity of the latest baseline and the development of standards necessary to ensure a full baseline.

Specific objectives

- ERTMS deployment of land-based components (ERTMS baseline 2 or 3, with specific emphasis on Baseline 3 projects), including relevant preparatory actions, with particular emphasis on cross border sections;
 - ERTMS deployment of on-board components - limited to a baseline 3-compatible software version and to retrofitting and upgrade of trains – including relevant preparatory actions
 - Simplifying and facilitating procedures for the placing in operation of on-board/land-based components, including actions ascertaining full conformity with Commission Decision 2012/88/EU;
 - Supporting the training of ERTMS experts, ERTMS project managers, trains dispatchers, drivers, etc;
 - Supporting the stability of ERTMS specifications or addressing specifications issues coming from deployment projects, with a special emphasis on projects which ensure maturity of the backwards compatibility between baseline 3 and baseline 2.3.0D.
- Development of ERTMS Baseline 3 operational rules for train operation in networks with mixed traffic modes.

Programme support actions under this priority in the form of procurement:

a) Services for the technical support for the deployment of ERTMS along the core network corridors

The deployment of ERTMS along the core network corridors requires dedicated technical expertise in order to analyse the technical aspects of the deployment, in particular as regards the interoperability of the different version of the systems and the compatibility with existing national traffic management systems and their operating rules. The action aims at purchasing technical expertise for each core network corridor and for ensuring the coherence with the other parts of the network. The action will facilitate the deployment of ERTMS along the core network corridors and improve the interoperability of the railways.

Indicative total amount (2014 appropriations only)	EUR 6,720,000	Indicative timeframe for launching the procurement procedure	Q3 2014
Indicative number of contracts	9	Comments	Estimated duration of the contracts: seven years

b) Study to develop tailor-made solutions for use of innovative financing to support the deployment of ERTMS, in particular along the Core Network Corridors

The aim of this study is to gather financial engineering expertise in order to assist the Commission in developing market based financing solutions, which could complement the CEF grant contribution to the deployment of ERTMS. The action should study and propose solutions for both the on-board and ground deployment of ERTMS, in particular along the corridors, and should in particular build upon the case of the Alicante – Albacete PPP project and toll bridge financing model.

Indicative total amount (2014 appropriations only)	EUR 400,000	Indicative timeframe for launching the procurement procedure	Q2 2014
Indicative number of contracts	1	Comments	Estimated duration of the contract: one year