

## ERTMS for Europe Europe for ERTMS



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**ERTMS is a major European industrial project, started and supported by the European Commission**

***EU Political support:***

**nomination of the European Coordinator for ERTMS**

***EU Financial support:***

**hundred M€ for initial development;**

**500 M€ reserved in the TEN2007-13 (260 in the ongoing second call); up to 50%; Rolling Stock costs eligible**

***EU Legal Framework:***

**HS railway system: obligation to install in case of new construction, renewal or upgrade**

**CR system: obligations in the European Deployment Plan**

## European Deployment Plan for ERTMS

- 2015 and 2020
- Freight Transport Area
- 2015 and 2020
- Corridor
- A, B, C, D, E, F

Adopted 22.7.2009 by Commission Decision

Ensures gradual access for ERTMS trains to more lines, ports, terminals and marshalling yards without the need for national equipment.

Total deployment over 24 000 km of ETCS, two deadlines:

- 2015 substantial parts of six freights corridors (totalling over 9 000 km)
- 2020, the corridors fully equipped (another 5500 km) and a number of key freight hubs (approx. 10 000 km)

# The role of the European Railway Agency

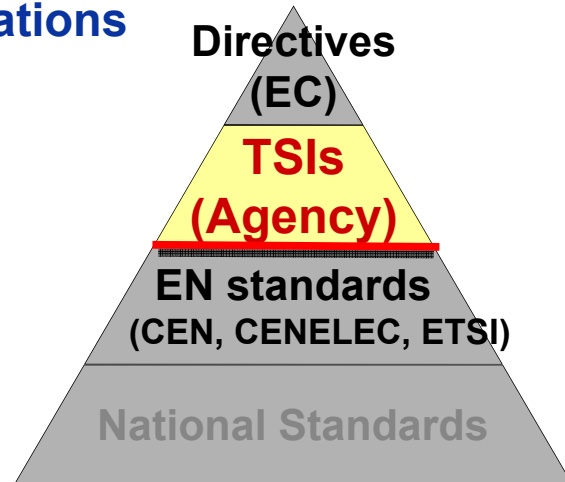
The Agency is responsible for the technical work (including impact assessment) to update the TSIs: Technical Specifications for Interoperability

The ERTMS specifications ( about 100 documents) are referenced in Annex A of the TSIs CCS and developed jointly with the Sector

Agency as System Authority for ERTMS specifications:

feedback from systems in service

- to maintain the current version
- to develop the future releases



**2002**

**SRS 2.2.2**

**ERA Recommendation: 335 CR**

**2006**

**2.2.2 + ss108**

**ERA Recommendation: 0 CR,**

(editorial release of SRS, other specs added: marker board, ...)

**2007**

**SRS 2.3.0**

**ERA Recommendation: 25 CR,**

(correction of 25 issues in SRS, clarifications)

**2008**

**SRS 2.3.0d**

**ERA Recommendation: 0 CR,**

(Completion with Test Specifications)

**December 2008: first release SRS for Baseline 3**

**Next milestones:**

**December 2009 – Engineering and installation guidelines**

**December 2009 – updated B3 SRS release, first DMI release**

**2010: ETCS test cases (procured via external contract)  
simulation, consolidation (coordinated with Users Group activities supported by TEN funds)**

**2011: ETCS test sequences**

**Today 47000 km in 5 countries**

**Maintenance of current baseline 7/15:**

**Critical review of Optional Functions**

**NSA ERTMS Focus Group involved,  
cooperation with UIC**

**First proposal for System Version Management in  
2010; future GSM-R releases to follow; migration  
to GPRS and other technologies**



## Technical Specifications and acceptance process

**Technical specifications are mature.  
Operational harmonisation in progress.**

**ERA study (2007) indicated differences in ERTMS  
authorisation processes in different projects**

**The new Agency Regulation 1335/2008 asks the  
Agency to submit a report on the ERMS  
authorisation process, containing appropriate  
recommendations for improvement**



## ERTMS success rests on:

- **technical and operational interoperability**
- **common and efficient approach to testing**
- **harmonised acceptance in Member States**

## The other Agency tasks:

- **Synergy with Cross Acceptance for an efficient vehicle authorisation process**
- **Cooperation with the Network of NSA**
- **Monitoring of Notified Bodies**

**offer the opportunity to deliver efficient results  
with the cooperation NSA, Sector and Agency**