

Railway cluster

Railway projects on the Core and Comprehensive Networks

SUSTAINABLE & SMART
MOBILITY STRATEGY



(CEF-T-2023-COREGEN, CEF-T-2023-CORECOEN, CEF-T-2023-COMPGEN, CEF-T-2023-COMPCOEN)

**Works / Studies /
Mixed**

Projects to be supported:

- construction and upgrade of cross-border and missing links
- capacity and performance upgrade of existing lines
- capacity increase in nodes
- interconnections with other transport modes
- connections of freight terminals to the TEN-T
- electrification of railways

Specific case:
completion of missing major railway cross-border projects between Cohesion MS
can be supported under the general envelope at a maximum co-funding rate of 85%

Maximum co-funding rates:

General envelope: 30% / 50%

Cohesion envelope: 85%



European Rail Traffic Management Systems (ERTMS)

(*CEF-T-2023-SIMOBGEN, CEF-T-2023-SIMOBCOEN*)

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Works

ERTMS deployment **on-board** and **track-side** (incl. GSM-R, digital Interlocking) compliant with:

- applicable **EU legislation** (incl. Commission Regulation (EU) No 2023/1695 **NEW!**)
- **Baseline 3** (Baseline 4 optional)

Recommendation: **modularity** and **error corrections** included in the contracts

No support for i) **fitment** and ii) **retrofitting** of vehicles put into operation **after 31/12/2020**

Deliverables: demonstration of **TSI-compliance** and **traceability**, e.g. i) EC Decl./Cert. of the sub-system verification and ii) application for authorisation

Maximum co-funding rates:

General envelope: unit contribution

Cohesion envelope: unit contribution



ERTMS: unit contributions

Activities	Cost category		Scenario	Sub-scenario		Unit contribution (K€) GEN	Unit contribution (K€) COH
On-board 1 on-board unit	Retrofitting	Prototype	International	/	/	900	1.500
			National	/	/	450	750
		Serial	International	/	/	110	190
			National	/	/	80	140
	Upgrade	Prototype	International	Software	Hardware	600	1.000
			National	Software	Hardware	350	600
		Serial	International	Software	/	18	30
			National	Software	/	15	25
			International	Software	Hardware	55	95
			National	Software	Hardware	55	95
	Track-side 1 km of double track equivalent	Deployment		Standard ETCS & associated upgrade costs		90	150
				ETCS & associated upgrade costs in urban nodes		200	340
Class A radio communication				20	35		
Interlocking				80	140		
Interlocking in urban nodes				300	510		
Upgrade				/	20	35	





Actions removing interoperability barriers (TSIs)

(*CEF-T-2023-SIMOBGEN*)

Works/Studies/Mixed

Projects to be supported:

- Projects **seeking compliance with Directive 2016/797 on the interoperability of the rail system**. They will aim at:
 - supporting Railway Undertakings, Infrastructure Managers and Wagon keepers to implement and ensure compliance of the rail system and its subsystems with the **technical specifications for interoperability** (TAF/TAP TSI and other relevant TSIs)
- **Automatic gauge-change facilities** in rail freight traffic in accordance with Article 9(2)(b)(v) of the CEF Regulation, as well as **terminals and their equipment necessary for the transfer between different track gauges**

Maximum co-funding rates:

General envelope: 50%



European
Commission

Mobility and Transport