

## Railway cluster

Works / Studies /  
Mixed

### Railway projects on the Core and Comprehensive Networks

*(CEF-T-2022-COREGEN, CEF-T-2022-CORECOEN, CEF-T-2022-COMPGEN, CEF-T-2022-COMPACOEN)*

Actions 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-2022-SIMOBGEN, CEF-T-2022-SIMOBCOEN)*

Actions to be supported:

- ERTMS **on-board** and **track-side** deployment with a priority to rolling out ERTMS on the entire Core Network. Actions shall be **compliant** with:
  - applicable **EU legislation** (incl. Commission Regulation (EU) No 2016/919)
  - **Baseline 3**

NB: Under **General** envelope **no support** for:

- **fitment** of new rolling stock
- **retrofitting** of existing **vehicles** put into operation **after 31/12/2020**

Maximum co-funding rates:

General envelope: unit contribution

Cohesion envelope: unit contribution

## ERTMS: unit contributions

Activities	Cost category		Scenario	Sub-scenario		Unit contribution (K€)	Unit contribution (K€)
						General Envelope	Cohesion envelope
On-board ERTMS B3 equipped vehicle	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
	Fitment					NA	45
	Track-side 1 double track km equipped	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



# Railway cluster

## Reduction of rail freight noise

*(CEF-T-2022-SUSTMOBGEN)*

Works

### Actions to be supported:

- retrofitting of existing freight wagons with low-noise technology compliant with TSI Noise, i.e.:
  - Composite brake blocks, or
  - Disc brakes

### Eligible wagons:

- **S-type wagon** (100 km/h). Unit contribution: **€250**
- **SS-type wagon** (120 km/h). Unit contribution: **€600**

General envelope: unit contribution

# **Railway cluster**

## **Actions removing interoperability barriers**

*(CEF-T-2022-SIMOBGEN, CEF-T-2022-SIMOBEOEN)*

Works/Studies/Mixed

Actions 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);
  - reducing discrepancies of railway fixed equipment and therefore opening of supply markets, including ensuring TSI compliance of fixed railway installation;
- **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%

Cohesion envelope: 85%



European  
Commission

**Mobility and Transport**