



# Future Funding Opportunities

## 5G Corridors

### CEF Digital 2021-27



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# 5G Corridors Planning

CEF Digital 5G corridor deployment calendar & planning											
Year	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	EU Budget
Early Wave	Call 1	Call Q4-Q1	Studies								42 MM €
		Call Q4-Q1	Deployment (CEF/RRF)								
	Call 2	Call Q4-Q1	Studies								28 MM €
		Call Q4-Q1	Deployment (CEF/RRF)								
1st big Wave (Call 3)			Call Q4-Q1	Studies							TBC
			Call Q4-Q1	Deployment (CEF/RRF)							
2nd big Wave (TBC)				Call Q1-Q2	Studies						TBC
				Call Q1-Q2	Deployment (tbc)						
Last Wave (TBC)											TBC

## 5G corridor CEF Budget: about 170 MM € for 2021-23

- Call 1 Studies and Projects launched in 2023 (8 studies & 7 works)
- Call 2 Studies & Projects will launch in 2024: evaluation results 10/2023
- Call 3 Publication: Q4 2023, indicative EU budget 100 MM € (50% co-financing)

# OBJECTIVES

- ✓ **Leverage the needed private investment** to establish a full pan-European road and railway network of 5G corridors
- ✓ **Deploy 5G systems along transport paths** thus enabling Connected and Automated Mobility (CAM), including automated rail and waterway operations
- ✓ **Uninterrupted coverage** with 5G systems across all major European transport paths, following but not limited to TEN-T corridors (indicative list in Part V of CEF Regulation Annex)
- ✓ **Uninterrupted coverage** for: **CAM, FRMCS, RIS and multi-service application of 5G services**, including non-safety services
- ✓ Transport modes: **rail, road, inland waterways and/or a multimodal** combination thereof (example: smart logistics use cases in multimodal logistics platforms and ports, etc.)

# CONSORTIUM COMPOSITION



- ✓ Minimum 2 applicants (beneficiaries or affiliated entities) from at least 2 Member States or a Member State and associated or third country
- ✓ Exception: minimum 2 applicants (beneficiaries; not affiliated entities) from at least one Member State - if there is no terrestrial border with a Member State & 5G corridor deployment projects cross the border into a 3rd country or terminate at a port with maritime connections to other EU Member States

# POSSIBLE CONSORTIUM MEMBERS

- ✓ **5G spectrum band owners / telecom operators**
- ✓ **Tower companies**
- ✓ **Public authorities/agencies in charge of traffic and infrastructure management**
- ✓ **Road operators**
- ✓ **Rail infrastructure managers**
- ✓ **Original equipment manufacturers**
- ✓ **Mobility service providers (such as innovative solutions providers for traffic management and intelligent transport systems)**

# Scope

Scope	Studies	Works	Both
Cross-border			✓
Use of 5G pionner bands (also FRMCS 900MHz and 1900MHz )			✓
If C-ITS using 5.9GHz band – compatibility analysis			✓
Road, rail, inland water ways, multimodality (i.e., logistics)			✓
Installation of active elements (routers, switches, antennae, MEC edge nodes, etc.)		✓	
Installation of passive elements (ducts, dark fiber, 5G radio stations, etc.)		✓	
Installation of specific track side devices (sensors, cameras for traffic monitoring incl. road side units)		✓	
Studies for preparatory works, including network planning	✓	If deployment within the proposal	
Location, length		✓ 15% TEN-T	

# Requirements

Requirements	Works	Studies	Both
Security declarations	✓		
Security guarantees approved by Member States			✓
Market failure declarations from the coordinator indicating no other 5G infrastructure present or credibly planned	✓		
MNO declarations - beyond coverage obligations	✓		
Other: please check carefully admissibility requirements!			

# Thank you!

#CEFDigital  
#DigitalEU

Contact DG CONNECT:

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