

Working Party on Rail Transport (77th session)

Policy reforms and Development of the TEN-T Rail Network in Western Balkan

Policy reforms in the Western Balkan

- EU Rail Legislation, transposition and implementation
- Annex I.2 of Treaty
- Rail Action Plan for the Western Balkan

<https://www.transport-community.org/wp-content/uploads/2020/11/Rail-Action-Plan.pdf>

- Strategy for Sustainable and Smart Mobility in the Western Balkans

<https://www.transport-community.org/wp-content/uploads/2021/06/Strategy-for-Sustainable-and-Smart-Mobility-in-the-Western-Balkans.pdf>

- EU Economic and Investment Plan
- Progress Report on implementation of the RAP
- Development of indicative TEN-T Network in Western Balkan

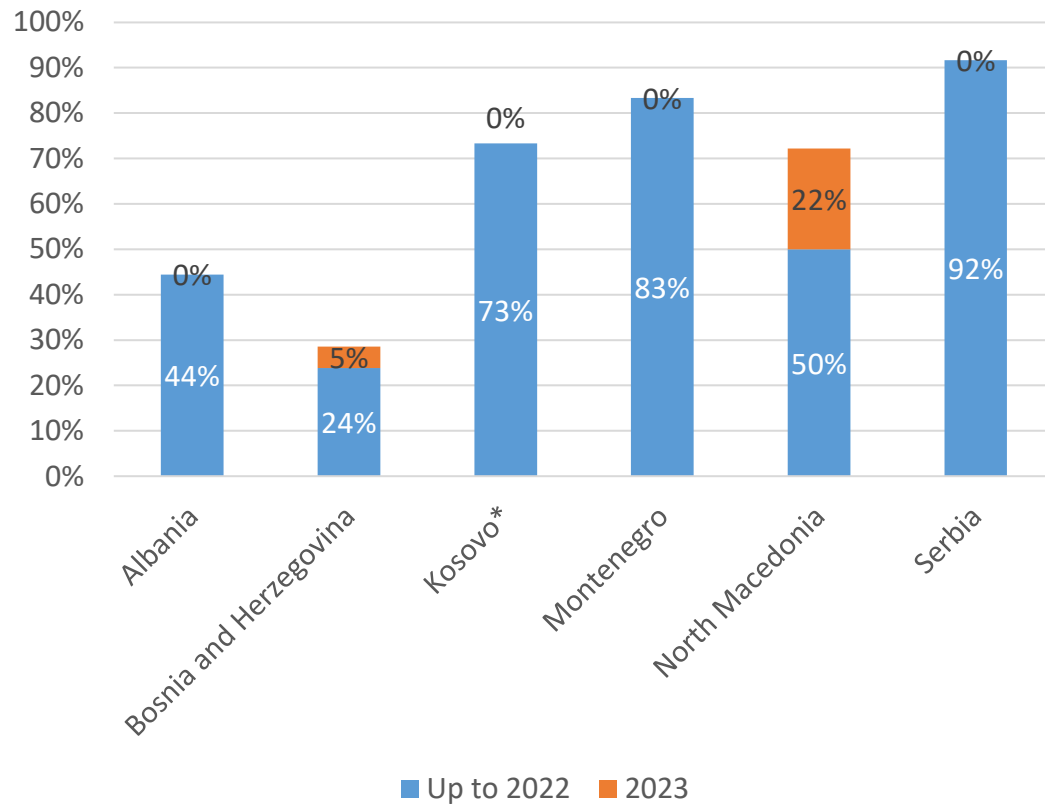
Process of Implementation of the Rail Action Plan

- Rail market opening
- Passenger rights
- Governance
- Interoperability
- Improving rail border-crossing operations
- Modernization of the railway infrastructure

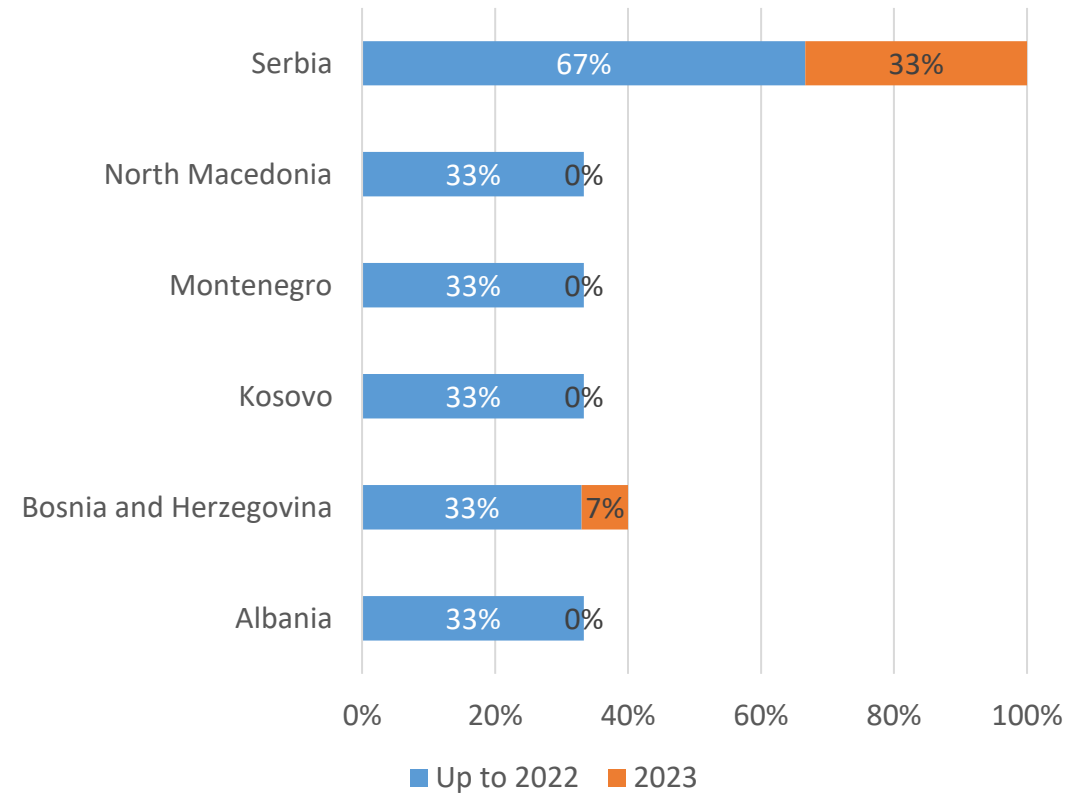
<https://www.transport-community.org/wp-content/uploads/2020/11/Rail-Action-Plan.pdf>

Rail Action Plan Progress

Rail Market Opening



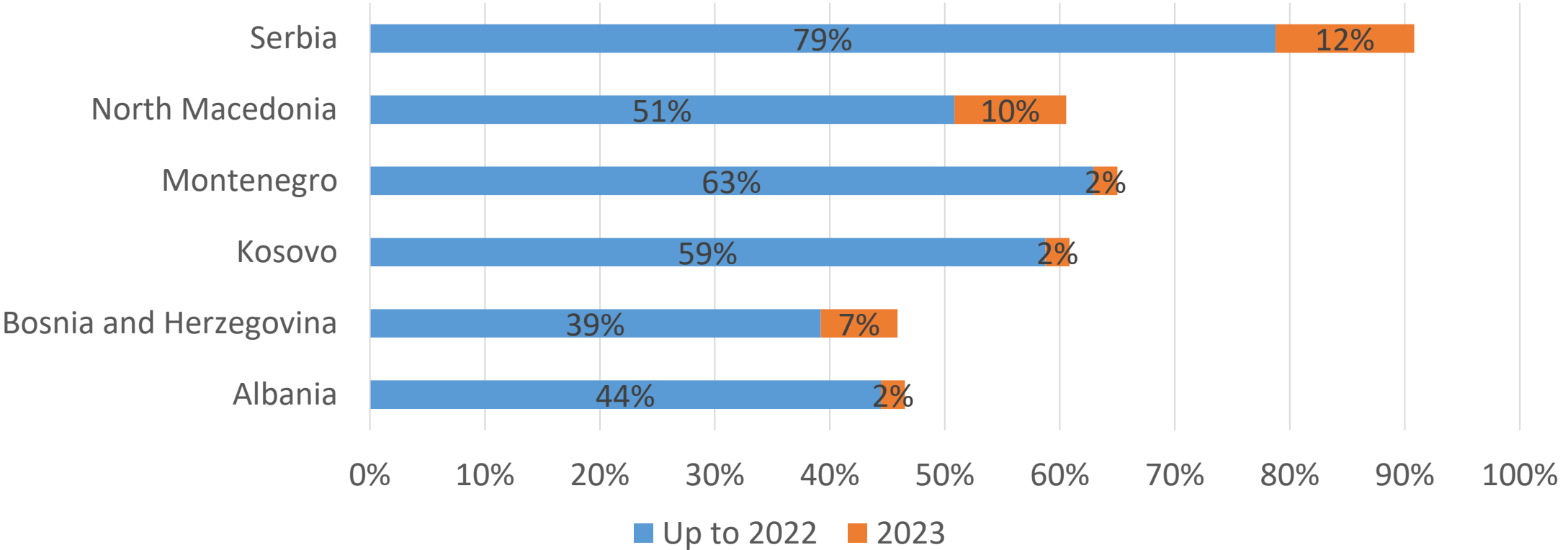
Passenger rights



(*) This designation is without prejudice to positions on status and is in line with UNSCR 1244 (1999) and the ICJ Opinion on the Kosovo declaration of independence.

Rail Action Plan Progress

Overall progress

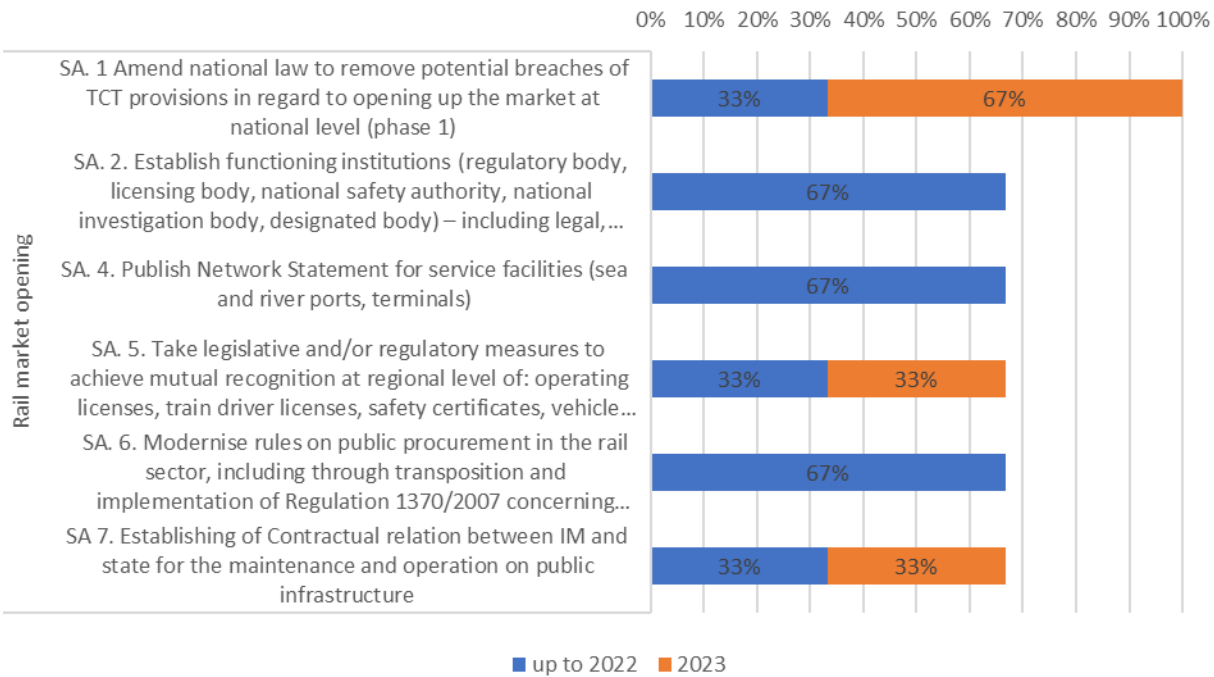


(*) This designation is without prejudice to positions on status and is in line with UNSCR 1244 (1999) and the ICJ Opinion on the Kosovo declaration of independence.

Progress by measures and overall

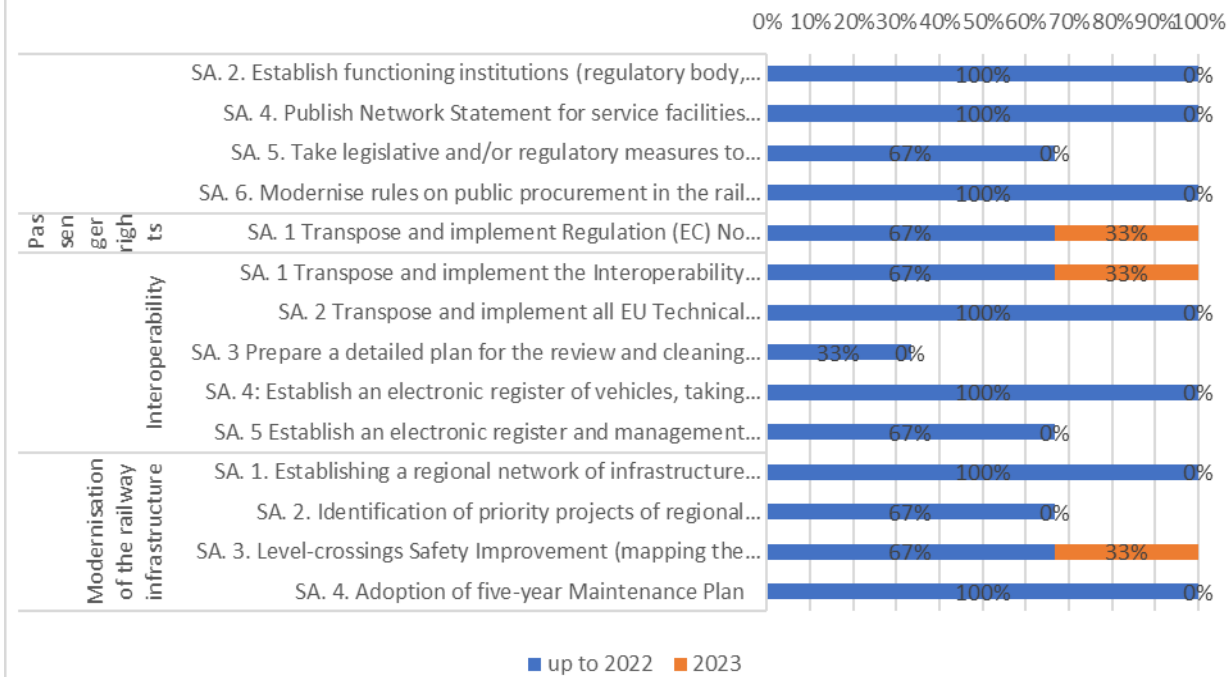


NORTH MACEDONIA



RAIL MARKET OPENING

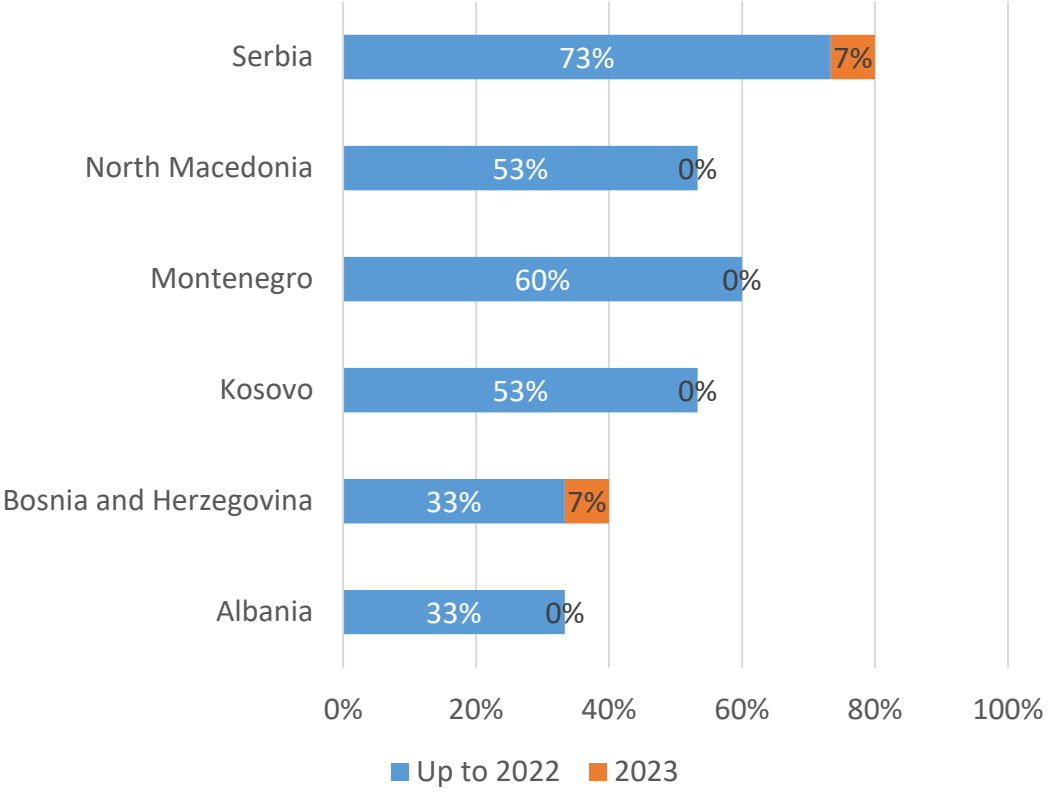
SERBIA



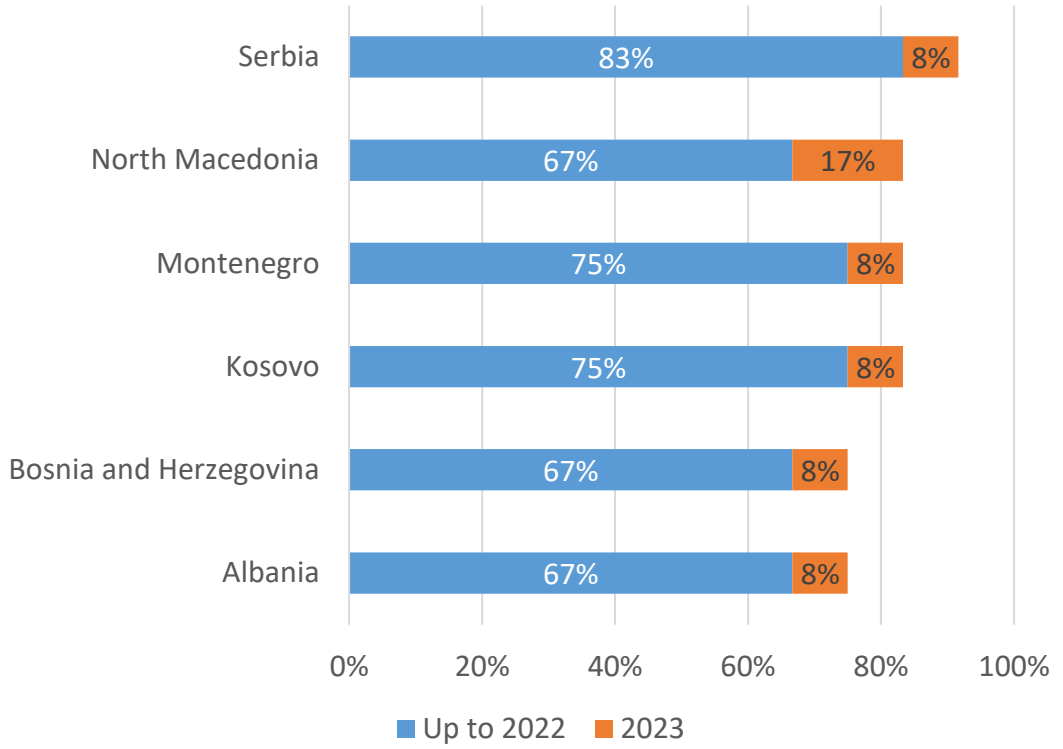
RAILWAY ACTION PLAN BY MEASURES

Rail Action Plan Progress

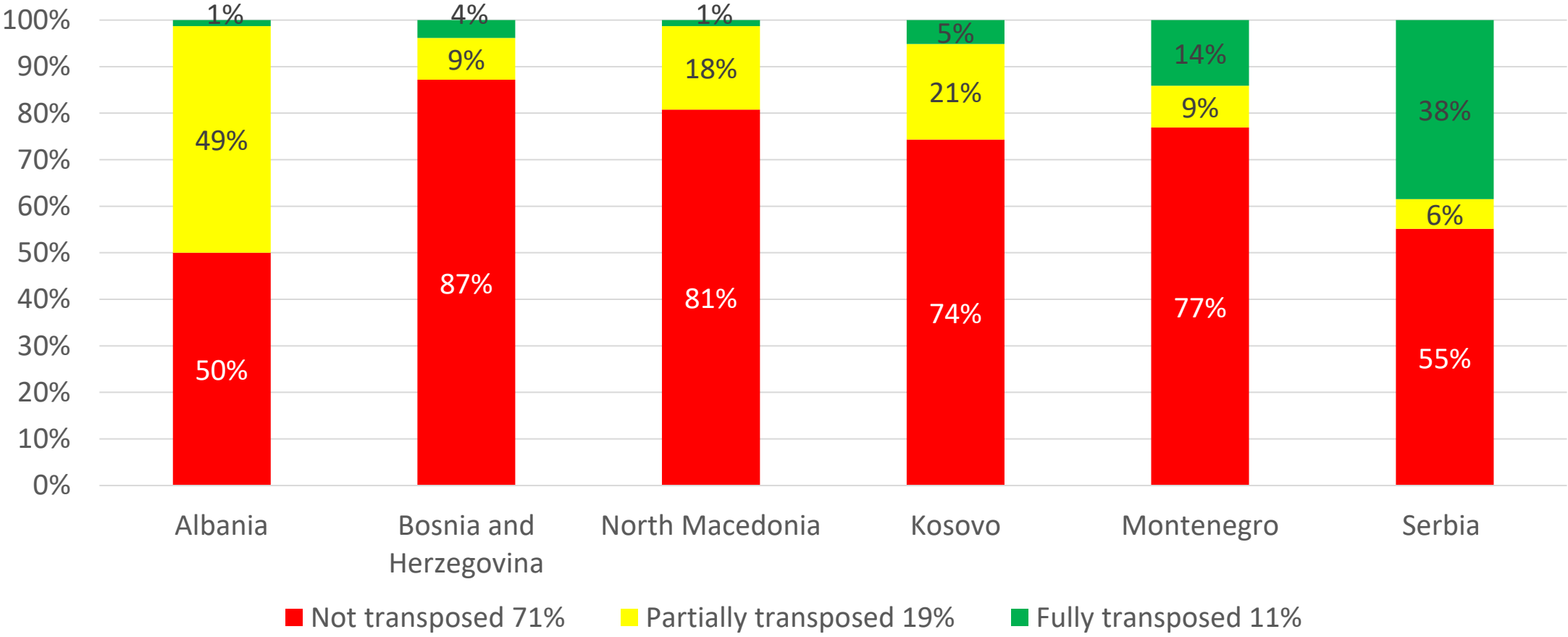
Interoperability



Modernisation of railway infrastructure



Annex I.2 of Treaty - Progress



Rail Network - Basic parameters



Western Balkan	Length	Length in operation
Comprehensive	3857	3684
Core	2602	2474

2021

Western Balkan	Length	Length in operation
Comprehensive	3898	3572
Core	2546	2437

2022

Western Balkan	Length	Length in operation
Comprehensive	4007	3817
Core	2623	2570

2023

Description of TEN-T Network on the WB



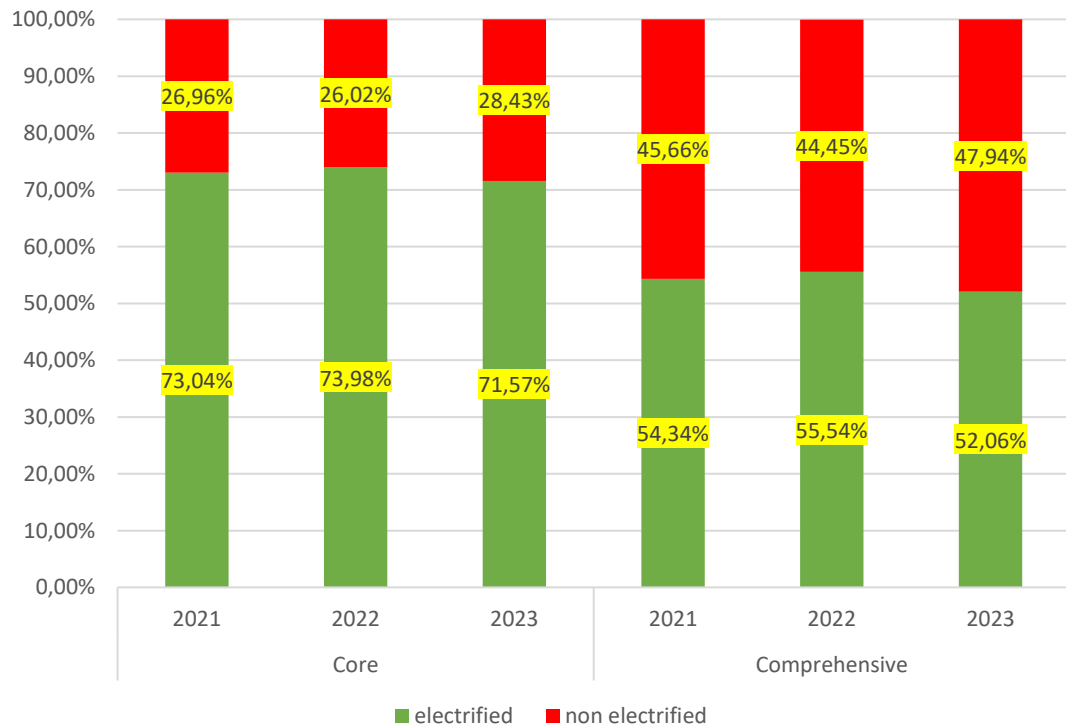
- Corridor Vc – 428 km
- Corridor VIII – 426 km
- Corridor X – 730 km
- Corridor Xb – 151 km
- Corridor Xc – 104 km
- Corridor Xd – 145 km
- Route 2– 144 km
- Route 4 – 580 km
- Route 7 – 152 km
- Route 9a– 491 km
- Route 10– 340 km
- Route 11– 138 km
- Route 13 – 28 km



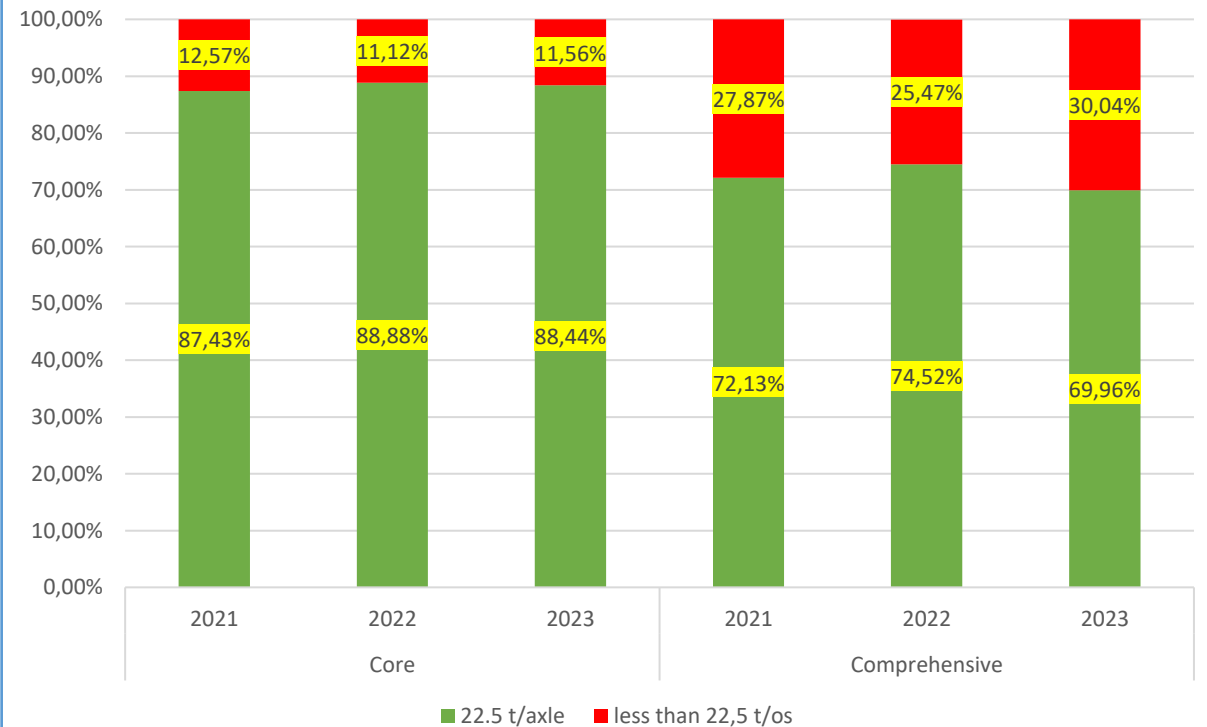
Compliance with TEN-T standards



Percentages of electrified and non-electrified lines
2021/2022/2023



Axle load in tonnes/axle on Core and Comprehensive Network
2021/2022/2023

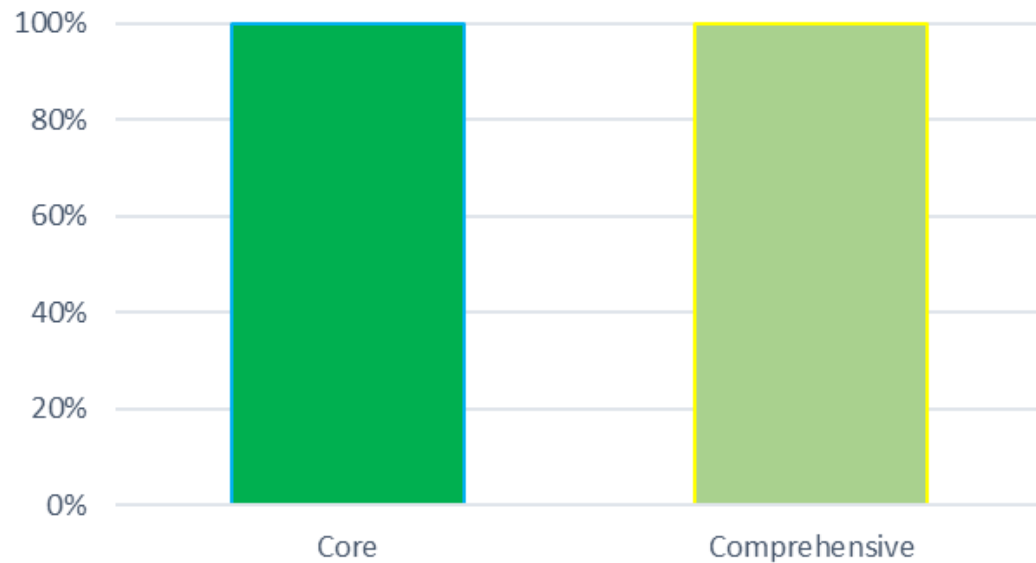




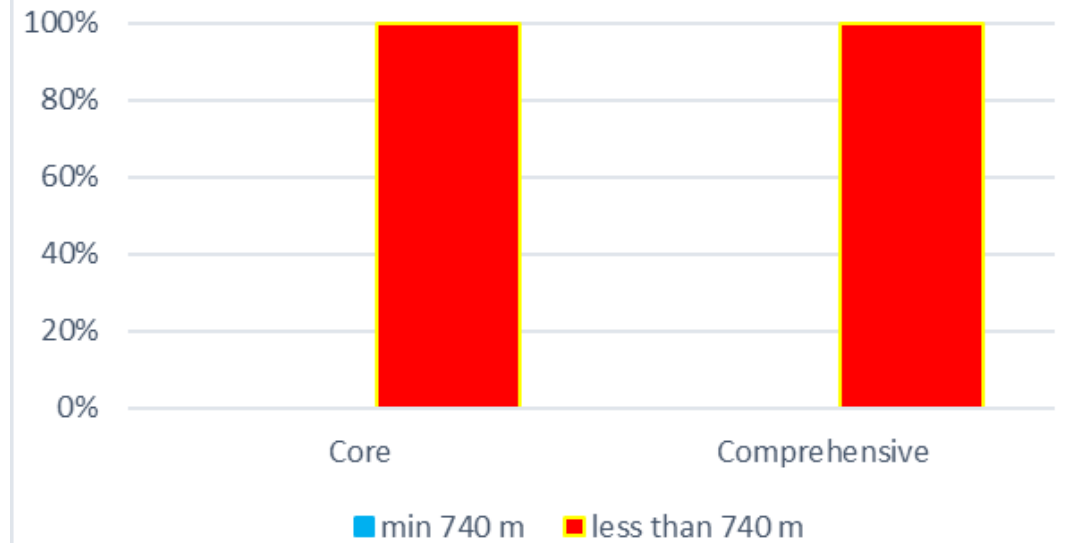
Compliance with TEN-T indicators



Track gauge - 1435 mm



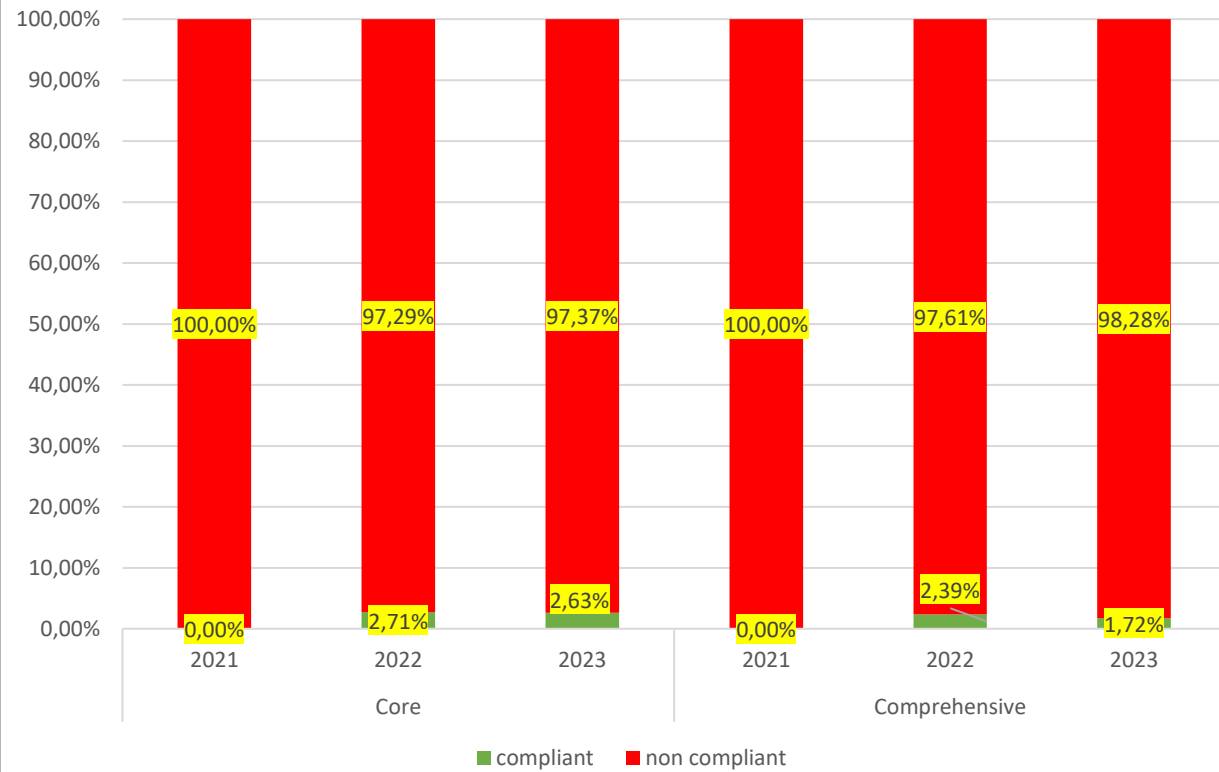
Train length



Compliance with TEN-T standards



ERTMS deployment 2021/2022/2023



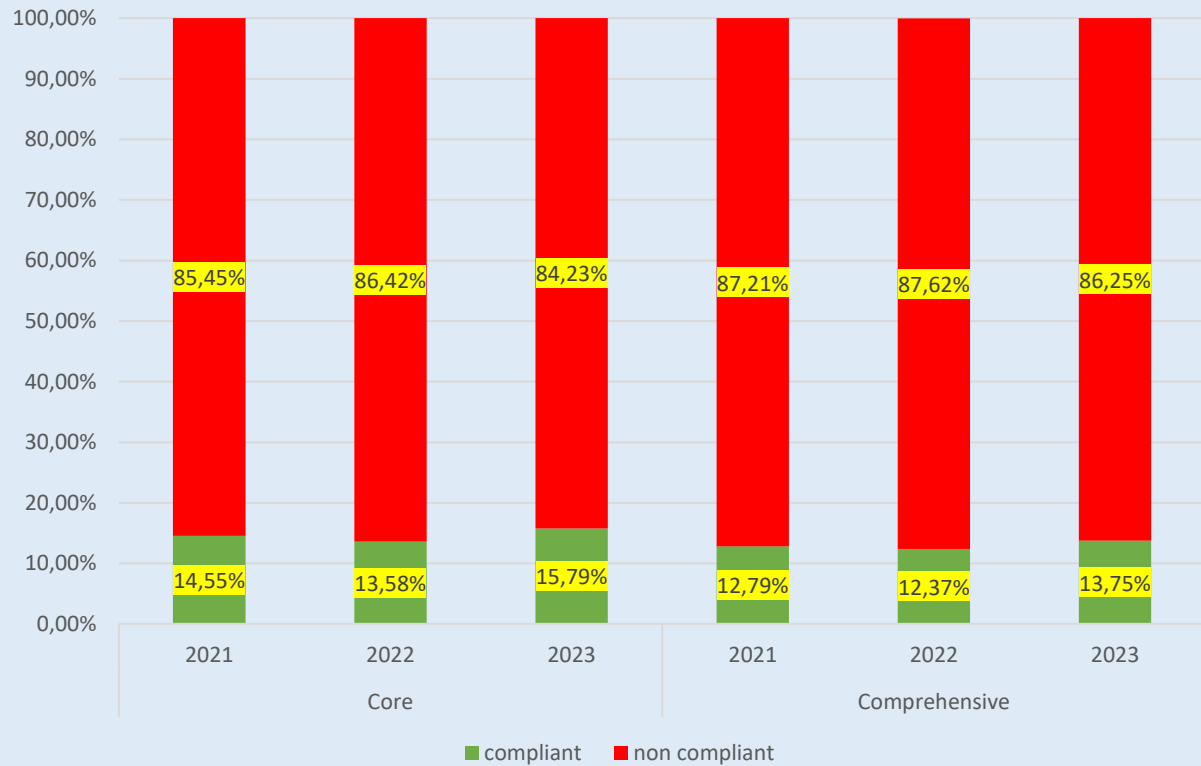
Design Speed 100 km/h and over 2022/2023



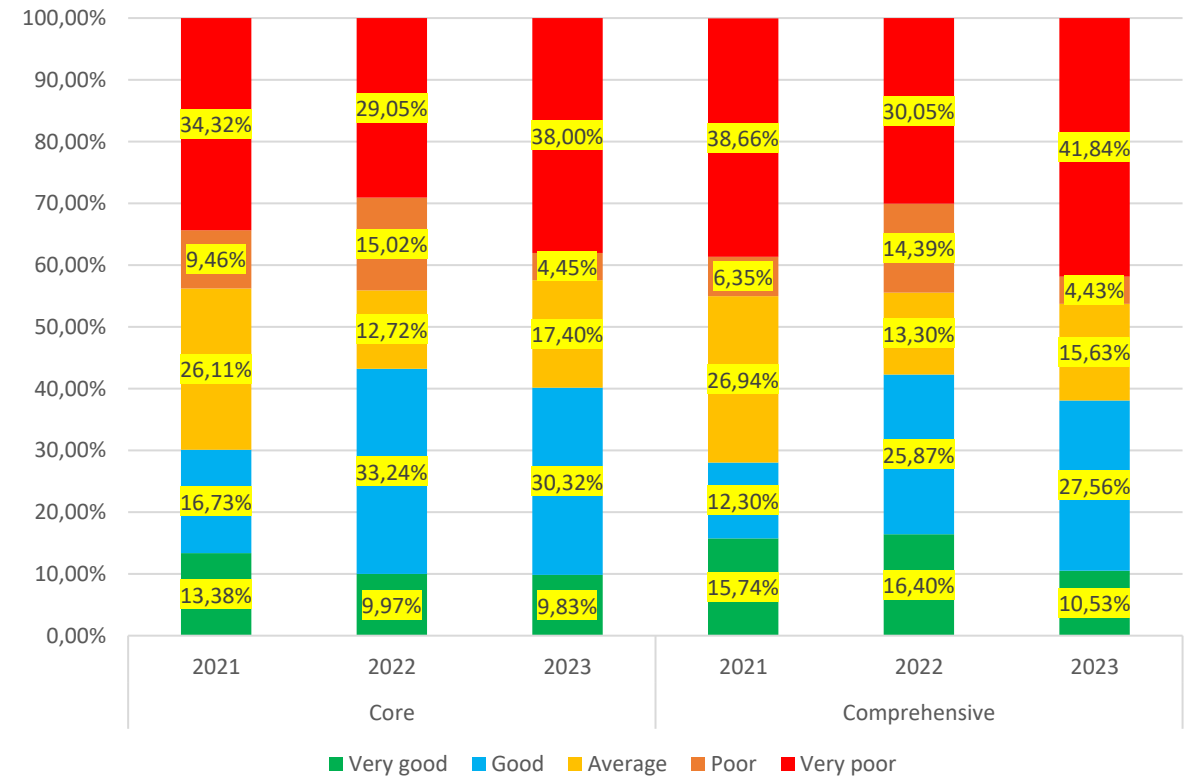
Compliance with TEN-T indicators



Operating Speed 100 km/h and over for 2021/2022/2023



Current condition of the Rail Network 2021/2022/2023







Legend

- Projects - Rail 2022 (Pink line with dashed border)
- Projects - Rail 2022 (Pink line)
- Rail Section Nodes (Pink dot)
- Railway (Black line)
- Rail Section Nodes (Black dot)
- Railway (Black line)
- TEN-TEC Rail Network (Yellow line)
- Cities (Black dot)

Borders

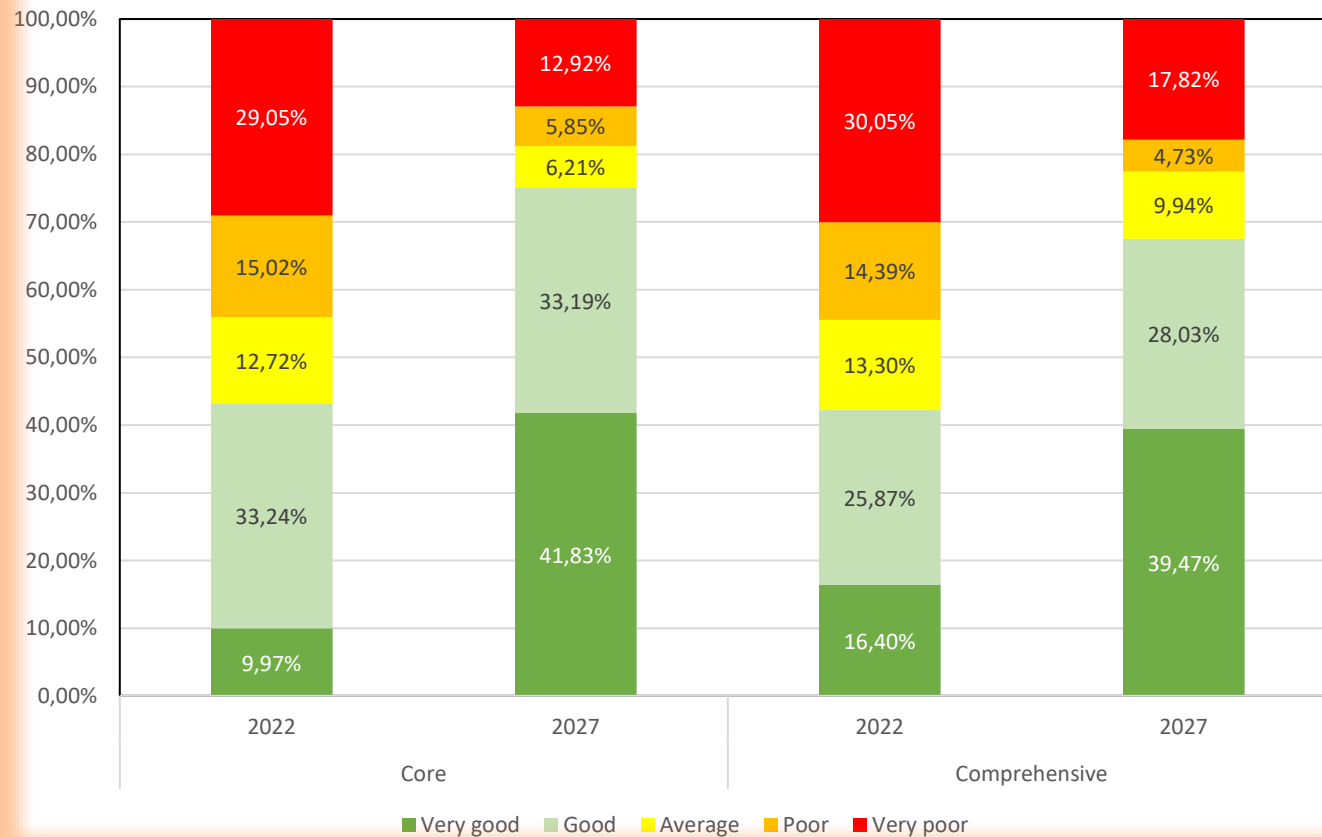
- Grey line
- Grey line

0 65 130 260 Km

Credits: Esri, Garmin, GEBCO, NOAA NGDC,

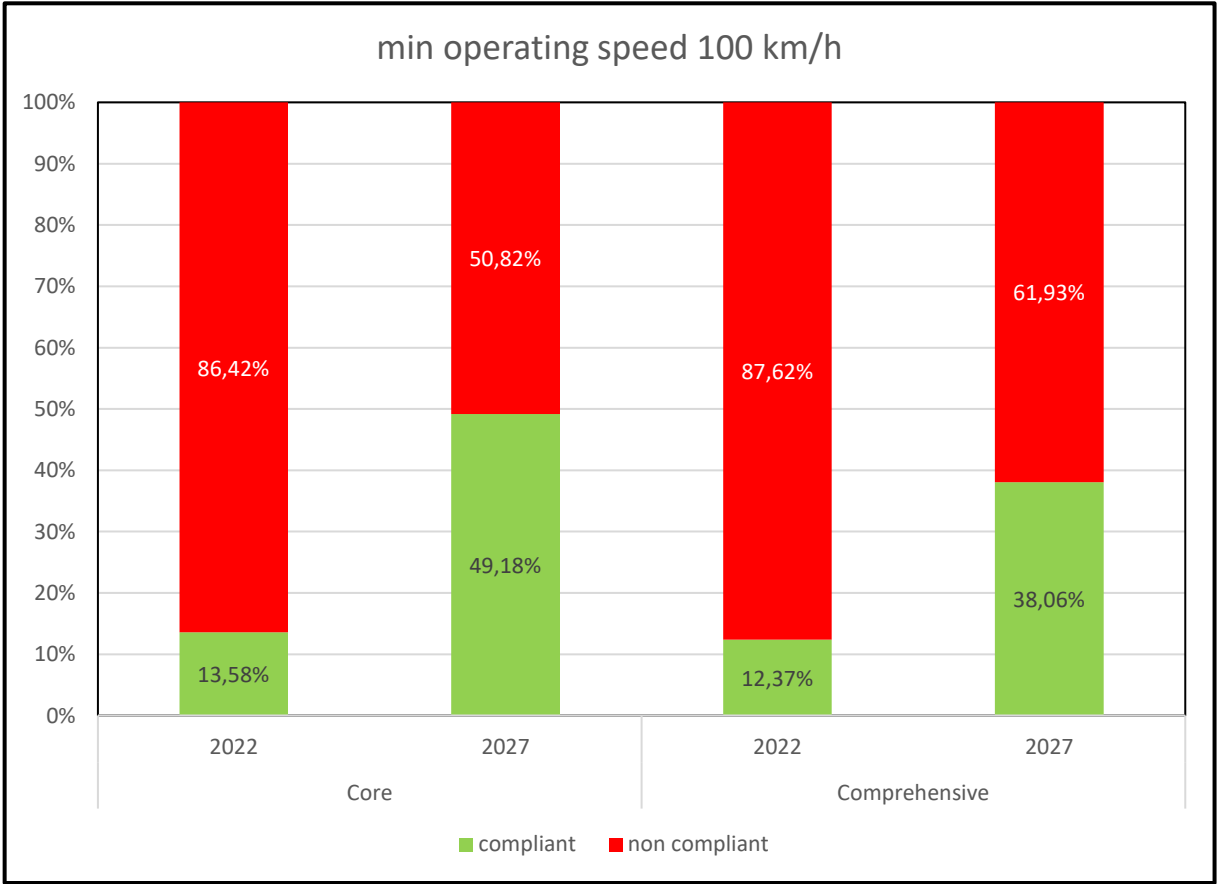
Forecast 2027

Infrastructure conditions - forecast



Conditions	Core		Comprehensive	
	2022	2027	2022	2027
Very good	9.97%	41.83%	16.40%	39.47%
Good	33.24%	33.19%	25.87%	28.03%
Average	12.72%	6.21%	13.30%	9.94%
Poor	15.02%	5.85%	14.39%	4.73%
Very poor	29.05%	12.92%	30.05%	17.82%

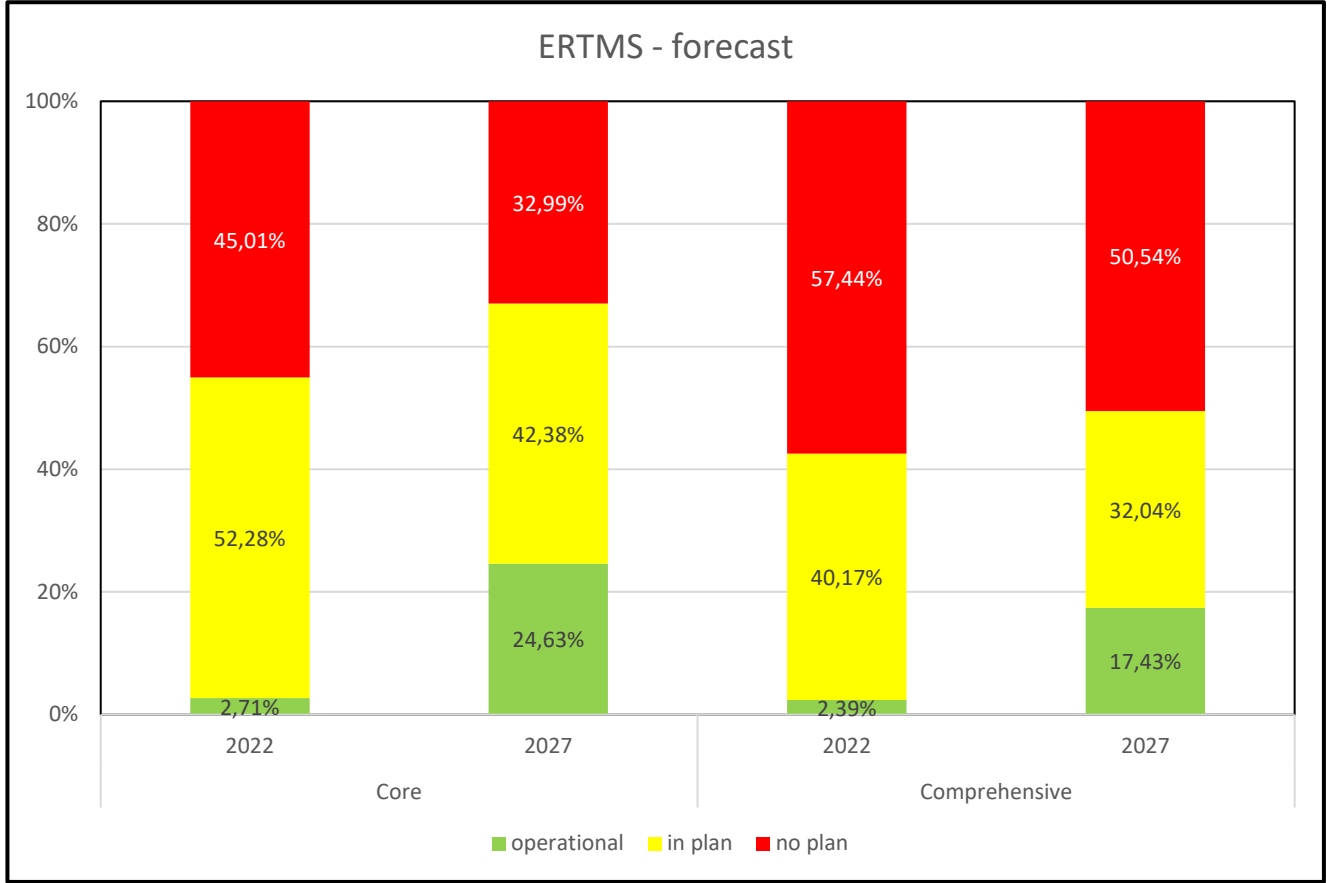
Forecast 2027



min operating speed 100 km/h	Core		Comprehensive	
	2022	2027	2022	2027
compliant	13.58%	49.18%	12.37%	38.06%
non compliant	86.42%	50.82%	87.62%	61.93%

Forecast 2027

ERTMS - forecast



ERTMS	Core		Comprehensive	
	2022	2027	2022	2027
operational	2.71%	24.63%	2.39%	17.43%
in plan	52.28%	42.38%	40.17%	32.04%
no plan	45.01%	32.99%	57.44%	50.54%

Concluding remarks

- Investments and reforms must go hand in hand
- Institutional legislative framework to be completed
- More focus on maintenance than on expensive infrastructure projects
- Solving a lack of human resources
- Educational system to be adjusted/improved
- Enhancing of the regional cooperation