Strategy for Sustainable and Smart Mobility in the Western Balkans

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Vision

The strategic vision is to assist Regional Parties to make the **transport** in the Western Balkans **cleaner, safer, smarter, greener, resilient, competitive, and sustainable**.

SSMS Objectives

The Sustainable and Smart Mobility Strategy -Western Balkans perspective mirrors the European

Commission`s Strategy and consider 10 flagships under three objectives :

(i)   Sustainable,

- Flagship 1 –zero-emission vehicles, renewable & low-carbon fuels and related infrastructure
- Flagship 2 – zero-emission airports and ports
- Flagship 3 –interurban and urban mobility
- Flagship 4 – freight transport
- Flagship 5 – pricing carbon and existing incentives for users

(ii)   Smart and

- Flagship 6 –connected and automated multimodal mobility
- Flagship 7 – innovation, data and artificial intelligence for smarter mobility

(iii)   Resilient Mobility.

- Flagship 8 – the single market challenges
- Flagship 9 – social mobility issues
- Flagship 10 –transport safety and security

SSMS - What it means by 2050?

- zero-emission vehicles and available alternative fuels infrastructure on Western Balkans roads, railways, ports, and airports.

- more travellers using fast railway connections between regional urban areas across wider region.

- efficient, punctual, and competitive rail and waterborne freight transport.

- better information to users and decision makers on the environmental impact of transport.

- seamless travel across the region using sustainable mobility choices, including single ticket for multimodal transport.

- supply chains digitally connected, balanced across modes, and electronic data exchange without delays.

- TEN-T standards and services ensuring safe and fast travel, and quality of the network enabling resilience to climate change effects (such as floods).

- single interoperable transport market without physical and non-physical barriers for doing business and travel.

- workforce adjusted to the changing digital environment with high level of protection of the worker`s rights.

Timeline

- The aim is to present the strategy for adoption at the Regional Steering Committee meeting in May 2021.

- Plan to present this document for endorsement at the Annual Transport Community Ministerial Council in July 2021, as one of the main deliverables.

- Main point of discussion in June at the Transport Community Ministerial Council will be the Sustainable and Smart Mobility Strategy and the adoption of the document with the Western Balkans perspective in mind.

FLAGSHIP 1 – BOOSTING THE UPTAKE OF ZERO-EMISSION VEHICLES, RENEWABLE & LOW-CARBON FUELS AND RELATED INFRASTRUCTURE

- Zero emission vehicles

- Fuel infrastructure

- Fuel supply

1) By 2030, there will be at least 10% of zero-emission cars and 5% of zero-emission lorries in operation.

2) By 2050, 90% of all cars, vans, buses as well as new heavy-duty vehicles will be zero-emission.

3) From 2022 all newly constructed railway lines to be electrified.

4) By 2050, largely eliminate greenhouse gas emission from waterborne transport and make airports zero -emission nodes.

Roadmap measures

TRANSPORT COMMUNITY

SUSTAINABLE MOBILITY			
Action	Type of intervention	Responsible authority	Indicative Timetable
FLAGSHIP 1 - BOOSTING UPTAKE OF ZERO-EMISSION VEHICLES, RENEWABLE & LOW-CARBON FUELS AND RELATED INFRASTRUCTURE			
Transposition of alternative fuel directive	L	MoT, TCT Secretariat support	Within 2 years from the date of application of EU legislation
Deployment of e charging stations on the busiest corridors	S, L	S - TCT Secretariat with Technical Committee I - Road authorities	2024 – 2026
Undertake feasibility study on the use of hydrogen on trucks along the busiest corridors	S	TCT Secretariat to cooperate with Energy Community Secretariat	2025 -2026
Aligning the emission standards across the region, by setting the minimum standard for new cars at EURO6	P, L	P – MoT, MoE, MoF L - MoT, MoE, MoF	2024-2025
Encouraging the introduction of incentives for zero-emission vehicles	L	MoT, MoE, MoF	2023 - 2025
Improve emission testing in roadworthiness checks	L	MoT	2023

I – infrastructure/ deployment of software solutions
L - legislative changes
S - analytical research and studies

T - capacity building and training
P - policy interventions

FLAGSHIP 5 – PRICING CARBON AND PROVIDING BETTER INCENTIVES FOR USERS

- Interoperability of electronic toll systems and facilitating the cross-border exchange

- Common methodology and harmonised framework for information about carbon footprint and environmental effect

- Transport Observatory will include environmental component and measure progress and trends of environmental indicators

13) All external costs of transport within the Western Balkans to be covered by the transport users by 2050.

Roadmap measures

FLAGSHIP 5 - PRICING CARBON AND PROVIDING BETTER INCENTIVES FOR USERS			
Establish EU framework for harmonised measurement of transport and logistics emissions	L, P	MoT, TCT Secretariat support	Within 2 years from the date of application of EU legislation
Adopt and implement guidelines for operators and platforms to inform passengers about the carbon footprint of their trip and to enable passengers to voluntarily offset it, and for wider use of eco-routing for (in-built) navigation software	L, P	MoT, TCT Secretariat support	Within 2 years from the date of application of EU legislation
Deployment of e-tolling and achieving interoperability of electronic road toll systems and facilitating cross-border exchange of information	L	MoT, TCT Secretariat support	2022 - 2024
Establish Transport Community Transport Observatory Database and Information System (TODIS)	I	TCT Secretariat	2021 - 2023

FLAGSHIP 6 – MAKING CONNECTED AND AUTOMATED MULTIMODAL MOBILITY A REALITY

- Intelligent transport systems

  - ITS

  - ERTMS

  - RIS

  - VTMIS

- Functional and interoperable systems for efficient data exchange at the intra-Western Balkans as well as EU-Western Balkans BCPs

- Enabling multimodal passenger ticketing

- Digitalising the freight transport

FLAGSHIP 7 – INNOVATION, DATA AND ARTIFICIAL INTELLIGENCE FOR SMARTER MOBILITY

- Coordination between universities, NGOs and public authorities should be streamlined to encourage interdisciplinary research in green and digital mobility

- Regional Parties should focus on fast transposition of legislation and relevant EU standards, as key enablers for wider spread of digital solutions in transport sector

- Connect major transport corridors with 5G connectivity infrastructure.

14) By 2035, seamless multimodal passenger transport will be facilitated by integrated electronic ticketing and freight transport will be fully digitalised.

15) By 2040, automated mobility will be deployed on a large scale.

Roadmap measures

FLAGSHIP 6 - MAKING CONNECTED AND AUTOMATED MULTIMODAL MOBILITY A REALITY			
Enable B2A multimodal data exchange through implementation of the e-FTI Regulation and Maritime Single Window environment	L	MoT, TCT Secretariat coordination	2025
Use of modern software at border crossing points /common crossing points (such as e-qms, NCTS, SEED, NSW, Galileo app)	I	CEFTA partly MoT, Customs administrations TCT Secretariat in coordination with CEFTA	2022-2025
Initiation of deployment of ERTMS through transposition of EU directives, TSIs, preparation of project documentation and deployment	L, S, I	MoT, Infrastructure managers, TCT Secretariat support	2022-2025
Deployment of ITS through transposition of EU directives, standards, preparation of project documentation and deployment	L, S, I	MoT, road authorities, TCT Secretariat coordination and prioritisation	2021 - 2025
Initiation of deployment of VTMIS and e maritime services through transposition of EU directives, standards, preparation of project documentation and deployment	L, S, I	MoT, Maritime agencies, Port authorities, TCT Secretariat support	2025
Initiation of deployment of RIS through transposition of EU directives, standards, preparation of project documentation and deployment	L, S, I	MoT, IWW agencies, Port authorities, TCT Secretariat coordination and prioritisation	2025
Deployment of Mobility as a Service (pax and freight) applications and digital transport corridors, smart mobility solutions and multimodal travel information services	S, I	S - TCT with external help I - MoT, port operators, rail operators, road operators, TCT Secretariat support, border agencies	2022-2026
Initiating deployment of 5G transport corridors across the region on the Core and Comprehensive Network	P, I	P-RCC, Ministry of telecommunications, in coordination with MoT I- Ministry of telecommunications, in coordination with MoT	2023-2030
Enable environment for multimodal ticketing in passenger transport and transpose relevant legislation.	L	MoT, TCT Secretariat support	To be considered under review of TCT Annex 1
Assess the needs for setting up agencies or other bodies to support safe, smart and sustainable road transport operations	S	TCT Secretariat with MoT	2022 – 2023
Transpose the EU legal framework on the approval of connected and automated vehicles	L	MoT, TCT Secretariat support, in cooperation with the Ministry of telecommunications	To be considered under review of TCT Annex 1

Roadmap measures

FLAGSHIP 7 - INNOVATION, DATA AND AI FOR SMART MOBILITY			
Develop R&I partnerships within the region and with EU bodies	P	TCT Secretariat, MoT	2021-2025
Encourage public companies/institutions/universities to establish innovation centres	P, T	TCT Secretariat	2022-2023
Improve coordination between public authorities, universities, NGOs on regional to encourage interdisciplinary research in green and digital mobility	P, T	TCT Secretariat coordination	2022-2023
Increase the awareness and educate young leaders, officials, and other relevant stakeholders on greening of transport	P, T	TCT Secretariat coordination	2022-2023
Establish national access point under ITS Directive and join European mobility data space	L	MoT, TCT Secretariat support	Within 2 years from the date of application of EU legislation
Adopt rules on a trusted environment for corridor data exchange to support collaborative logistics	L	TCT RSC, TCT Secretariat support	To be considered under review of TCT Annex 1
Adopt the regulatory framework for drones and unmanned aircraft	L	TCT RSC, TCT Secretariat support	To be considered under review of TCT Annex 1
Adopt the EU type approval legislation to facilitate car data-based services including interaction with energy system	L	TCT RSC, TCT Secretariat support	To be considered under review of TCT Annex 1
Adopt regulatory framework to open access to car data to mobility services	L	TCT RSC, TCT Secretariat support	To be considered under review of TCT Annex 1
Undertake impact assessment and prepare roadmap for AI for mobility	S	TCT Secretariat	2023

Obstacles to single market

- Rail reforms

- Removing non-physical barriers to single market related to border-crossing operations

- upgrade national strategies with green elements

Infrastructure

- Compliance with TEN-T standards

Roadmap measures

FLAGSHIP 8 – WORKING TOWARDS THE SINGLE MARKET			
Revisiting national transport strategies and prioritising green elements	P, S	MoT, TCT Secretariat support	2023
Capacity building for administration on green and digital transformation of transport	T	TCT Secretariat organisation	2022-2024
Development of cost effectiveness analysis of the Sustainable and Smart Mobility Strategy Western Balkans Perspective and elaboration of detailed action plans per each Regional Party	S	TCT Secretariat	2022-2023
Adopt guidelines to assess climate change and natural hazards of road network	L	TCT Secretariat to support MoT	2022
Developing and implementing climate resilience plans for RPs transport networks	S	Ministries in charge of Transport, road authorities, rail infrastructure managers, TCT Secretariat coordinating role	2022-2024
Establishing efficient road maintenance through multiannual road maintenance plans and Road Asset Management Systems	L	TCT Secretariat coordinating role; MoT Road Authorities/ Public Enterprises	2022
Electrification of the rail core network and implementation of Flagship 1, 2, 3.	S, I	Ministry in charge of transport, infrastructure managers	2022-2030
Improvement of road and rail border crossings /common crossings (removal of administrative bottlenecks, additional parking lanes, construction of joint BCPs/CCPs).	P, L, I	Ministry in charge of transport, customs, police, infrastructure managers	2023-2024
Reforming the railway sector through transposition and implementation of Market opening, passenger rights, interoperability, border crossings/common crossings legislation.	L	Ministry in charge of Transport, railway authorities, railway companies	2022-2023
Improving inland waterways through prioritisation of IWW projects and Implementation of economic investment plan Flagship 1 projects.	P, I	P-TCT Secretariat with TC I- MoT, IWW agency	2025
Review the transport relevant State aid rules.	P, I	MoT, TCT Secretariat and EU support	2022
Open Public Funds for Railway Fleet Renewal for Passenger and Freight transport.	P, I	MoT, MoF, TCT Secretariat and EU support	2025

FLAGSHIP 9 – MAKING MOBILITY FAIR AND JUST FOR ALL

TRANSPORT COMMUNITY

- Social dialogue and the social dimension

- Skills mismatch for certain transport sectors

- Public Service Obligations

Roadmap measures

FLAGSHIP 9 - MAKING MOBILITY FAIR AND JUST FOR ALL			
Setting up a Platform for Change and removal of legal barriers to women's economic empowerment	P, L	TCT	2023
Play an active role to assist regional institutions in removal of legal barriers to women's economic empowerment opportunities	S, T	TCT	2021-2025
Encourage IFIs, Ministries of Transport and Transport Departments within the Universities across the region to develop grant schemes for women internships in transport sector.	P	TCT	2021-2025
Prepare a Blueprint to tackle the challenges that come with the digitalisation and modernisation of the transport sector (ageing workforce, staff shortage and skills mismatch).	S	TCT	2025
Complete transposition and implementation of the relevant social policy legislation in the Transport Community Treaty	L	MoT	2030
Review of the guidelines on the Land PSO Regulation and provide guidance on freight PSOs.	P, I	MoT, TCT and EU support	2021, 2022

Thank you for your attention