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REPORT

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Subject:	Proposal for a REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on Union guidelines for the development of the trans-European transport network, amending Regulation (EU) 2021/1153 and Regulation (EU) No 913/2010 and repealing Regulation (EU) 1315/2013 - General Approach

I. INTRODUCTION

1. On 14 December 2021, the Commission presented the proposal for a Regulation of the European Parliament and of the Council on Union guidelines for the development of the trans-European transport network, amending Regulation (EU) 2021/1153 and Regulation (EU) No 913/2010 and repealing Regulation (EU) 1315/2013. The proposal was presented as part of a package of four initiatives aimed at modernising the EU transport system and supporting the transition to cleaner, greener and smarter mobility by improving some of its key components, such as the trans-European transport network (TEN-T), intelligent transport systems, cross-border and long-distance rail travel and urban mobility.

2. The proposed revision of the TEN-T development policy aims to build a reliable, seamless and high-quality trans-European transport network that ensures sustainable connectivity across the European Union without physical interruptions, bottlenecks or missing links by 2050. The intention is that this network will contribute to the achievement of the EU's sustainable mobility objectives, the proper functioning of the internal market and the economic, social and territorial cohesion of the EU. It should be developed step by step, with proposed deadlines in 2030, 2040 and 2050.
3. The proposal has the following four main objectives:
 - (i) make transport more sustainable by providing adequate basic infrastructure, particularly of more sustainable modes of transport, to reduce congestions, greenhouse gas (GHG) emissions and wider negative externalities of transport;
 - (ii) increase the continuity and efficiency of transport, encourage multimodality and interoperability between transport modes and better integrate urban nodes into the network as well as to increase the benefits for transport infrastructure users;
 - (iii) increase the resilience of the TEN-T network to the adverse effects of climate change and other natural hazards and human-made disasters;
 - (iv) improve the effectiveness of TEN-T governance tools and streamline the instruments for reporting on and monitoring TEN-T implementation.
4. The European Commission adopted an amended proposal on 27 July 2022. This amended proposal aims to respond to the impact of Russia's war of aggression against Ukraine and takes into account in particular the following aspects:
 - extension of four European Transport Corridors to Ukraine and the Republic of Moldova as an immediate response to the requested action communicated in the 'Solidarity Lanes' Communication;
 - removal of Russia and Belarus from the indicative TEN-T maps. The Commission has also proposed to downgrade the 'last-miles' of all cross-border connections between the EU and Russia/Belarus from 'core network' to 'comprehensive network';
 - measures to migrate railway lines, when economically justified, to the European standard track gauge and built new ones in this standard track gauge.

II. WORK AT OTHER INSTITUTIONS

5. The European Parliament has designated the Committee on Transport and Tourism (TRAN) as the committee responsible for this proposal. Mr Dominique RIQUET (Renew, France) and Ms Barbara Thaler (EPP, Austria) were appointed co-rapporteurs. The draft report was presented to the TRAN Committee on 26 October and the EP is expected to vote on the report in the first quarter of 2023.
6. The European Economic and Social Committee adopted an opinion on 23 March 2022. The Committee of the Regions adopted an opinion on the proposal on 11 October 2022.

III. WORK WITHIN THE COUNCIL AND ITS PREPARATORY BODIES

7. The proposal and the impact assessment were presented to the Working Party on Transport - Intermodal Questions and Networks on 6 and 13 January 2022. The articles were subsequently discussed between January and May 2022, resulting in a progress report¹ presented to the TTE Council on 2 June.
8. The Presidency continued work between July and mid-November at the Working Party on the basis of several compromise proposals covering the entirety of the provisions trying to take into account the comments put forward by Member States to the extent possible. The Presidency compromise texts in general introduced clarifications, simplification and flexibility for Member States in the various provisions.
9. The Commission presented the amended proposal² to the Working Party on 7 September. Its elements have been subsequently incorporated into the compromise texts that were discussed on several occasions.

¹ ST 8784/22.

² ST 11657/1/22 REV 1 + ADD 1 – ADD 16 + CORs.

10. Following the work carried out at the Working Party, the Permanent Representatives Committee endorsed the text at its meeting on 25 November with the following changes that take account of the concerns expressed by Member States³:
- Recital 19: new sentence on financing;
 - Article 16(5) and recital 40a: Railway transport infrastructure requirements (exemptions);
 - Articles 15 and 16: Railway transport infrastructure requirements (740m long trains);
 - Article 22 (3): Inland waterways transport infrastructure requirements (Implementing acts);
 - Article 53 (3): Work plan of the European Coordinator;
 - Recital 30a and Article 65 (12a): Amendments to Regulation (EU) No 913/2010 (Dwelling time of freight trains at cross-border sections).
11. At the request of some delegations at Coreper, a number of changes to the maps set out in the addenda to this report were also agreed.
12. Furthermore, the text in the annex also contains some adaptations of a technical nature that aim to ensure consistency among the various provisions of the proposal (cf. recital 52 and Article 59) and ‘spaceports’ have been added (new recital (48b), Article 3(af2) and Article 32(1)(h)).

IV. CONCLUSION

13. In the light of the above, Council (Transport, Telecommunications and Energy) is invited to agree on a General Approach at its meeting on 5 December 2022 on the compromise set out in the Annex as well as on the Addenda to this report.

³ Changes compared to the previous version (ST 14717/22 INIT) are set out in **bold-underline** (additions) or ~~strikethrough~~ (deletions).

2021/0420 (COD)

Proposal for a

REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

on Union guidelines for the development of the trans-European transport network, amending Regulation (EU) 2021/1153 and Regulation (EU) No 913/2010 and repealing Regulation (EU) 1315/2013

(Text with EEA relevance)

THE EUROPEAN PARLIAMENT AND THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on the Functioning of the European Union, and in particular Article 172 thereof,

Having regard to the proposal from the European Commission,

After transmission of the draft legislative act to the national parliaments,

Having regard to the opinion of the European Economic and Social Committee⁴,

Having regard to the opinion of the Committee of the Regions⁵,

Acting in accordance with the ordinary legislative procedure,

Whereas:

⁴ OJ C [...].

⁵ OJ C [...].

- (1) The Commission Communication ‘The European Green Deal’⁶ of December 2019 sets a climate neutrality objective to be achieved by the Union by 2050 as well as a clear objective to reduce net greenhouse gas emissions by at least 55% by 2030, compared to 1990 levels. Those objectives are set as a target in Regulation (EU) 2021/1119 of the European Parliament and of the Council⁷.
- (2) Transport emissions represent around 25% of the Union’s total greenhouse gas emissions, and these emissions have increased over recent years. The European Green Deal therefore calls for a 90% reduction in greenhouse gas emissions from transport in order for the Union to become a climate-neutral economy by 2050, while working towards the zero-pollution ambition⁸.
- (3) The Commission Communication on the Sustainable and Smart Mobility Strategy⁹ sets out milestones to show the European transport system’s path towards achieving the objectives of a sustainable, smart and resilient mobility. It envisages that rail freight traffic should increase its market share by 50% by 2030 and double by 2050; transport by inland waterways and short sea shipping should increase its market share by 25% by 2030 and by 50% by 2050; traffic on high-speed rail should double by 2030 and triple by 2050; at least 30 million zero-emission cars and 80,000 zero-emission trucks should be in operation on Union roads by 2030, and nearly all cars, vans and buses and new heavy-duty vehicles should be zero-emission by 2050; scheduled collective travel under 500 km should be carbon-neutral by 2030 within the Union; by 2030, there should be at least 100 climate-neutral cities in Europe.

⁶ Communication from the Commission to the European Parliament, the European Council, the Council, the European Economic and Social Committee and the Committee of the Regions ‘The European Green Deal’, COM(2019)640 final.

⁷ Regulation (EU) 2021/1119 of the European Parliament and of the Council of 30 June 2021 establishing the framework for achieving climate neutrality and amending Regulations (EC) No 401/2009 and (EU) 2018/1999 (OJ L 243, 9.7.2021, p. 1).

⁸ Commission Communication “Pathway to a Healthy Planet for All EU Action Plan: ‘Towards Zero Pollution for Air, Water and Soil’” of 12 May 2021, COM(2021)400 final.

⁹ Communication from the Commission to the European Parliament, the Council, the European Economic And Social Committee and the Committee of the Regions ‘Sustainable and Smart Mobility Strategy – putting European transport on track for the future’, COM(2020)789 final.

- (4) The realisation of the trans-European transport network creates the enabling conditions in terms of infrastructure basis allowing to make all transport modes more sustainable, affordable and inclusive, to make sustainable alternatives widely available in a multimodal transport system and to put in place the right incentives to drive the transition, notably by ensuring a fair transition, in line with the objectives presented in the Council Recommendation (EU) [...] of 16 June 2022 on ensuring a fair transition towards climate neutrality¹⁰.
- (5) The planning, development and operation of the trans-European transport network should enable sustainable forms of transport, provide for improved multimodal and interoperable transport solutions and for an enhanced intermodal integration of the entire logistic chain, thereby contributing to a smooth functioning of the internal market by creating the arteries that are necessary for smooth passenger and freight transport flows across the Union. In addition, the network should aim at strengthening economic, social and territorial cohesion by ensuring accessibility and connectivity for all regions of the Union, including a better connectivity of the outermost regions and other remote, rural, insular, peripheral and mountainous regions as well as sparsely populated areas. The development of the trans-European transport network should also enable seamless, safe and sustainable mobility of goods and persons in all their diversity, and should contribute to further economic growth and competitiveness in a global perspective, by establishing interconnections and interoperability between national transport networks in a resource-efficient and sustainable way.
- (6) Growth in traffic has resulted in increased congestion in international transport. In order to ensure the international mobility of passengers and goods, the capacity of the trans-European transport network and the use of that capacity should be optimised and, where necessary, expanded by removing infrastructure bottlenecks and bridging missing infrastructure links within and between Member States and, as appropriate, neighbouring countries, and taking into account the ongoing negotiations with candidate and potential candidate countries.

¹⁰ [ST 9107/22], (OJ C 243, 27.06.2022, p. 35).

- (7) The trans-European transport network consists to a large extent of existing infrastructure. In order to fully achieve the objectives of the new trans-European transport network policy, uniform requirements regarding the infrastructure should be established.
- (8) Projects of common interest should contribute to the development of the trans-European transport network through the creation of new transport infrastructure, through the maintenance and upgrading of existing infrastructure and through measures promoting its resource-efficient use. Projects of common interests should demonstrate a European added value. Such projects should also be economically viable. Projects in sparsely populated areas, for which it might be difficult to demonstrate the economic viability as social and territorial cohesion benefits might value higher, should at least have a positive contribution to the development of the network on the basis of a socio-economic cost-benefit analysis, taking into account the specific characteristics and constraints of the area concerned.
- (9) In the implementation of projects of common interest, due consideration should be given to the particular circumstances of the individual project concerned. Where possible, synergies with other policies should be exploited, for instance with tourism aspects by including, within civil engineering structures such as bridges or tunnels, bicycle infrastructure for cycling paths, including the EuroVelo routes, or with security aspects by including new technologies such as sensors in bridges.
- (10) In order to achieve a high-quality and efficient transport infrastructure across all modes, the development of the trans-European transport network should take into account the security and safety of passengers and freight movements, the contribution to climate change and the impact of climate change and of potential natural hazards and human-made disasters on infrastructure and accessibility for all transport users, especially in regions that are particularly affected by the negative impacts of climate change.
- (11) deleted.

- (12) During infrastructure planning, Member States and other project promoters should give due consideration to the risk assessments and adaptation measures that seek to improve resilience, for example to climate change, natural hazards and human-made disasters. By providing further incentives to develop sustainable forms of transport and with the implementation of high-level standards for green transport infrastructure, the realisation of the trans-European transport network will support the “do no significant harm” principle within the meaning of Article 17 of the Taxonomy Regulation¹¹.
- (13) Given the evolution of the Union infrastructure needs and the decarbonisation goals, the Conclusions of the 2020 July European Council, according to which Union expenditure should be consistent with Paris Agreement objectives and the "do no significant harm" principle, projects of common interest should be assessed in order to ensure that TEN-T policy is coherent with transport, environmental and climate policy objectives of the Union. Member States and other project promoters should carry out environmental assessments of plans and projects which should include, for projects for which the procurement process for an environmental impact assessment has not been initiated at the date of entry into force of this Regulation, the “do no significant harm” assessment based on the latest available guidance and best practice.

¹¹ Regulation (EU) 2020/852 of the European Parliament and of the Council of 18 June 2020 on the establishment of a framework to facilitate sustainable investment, and amending Regulation (EU) 2019/2088 (Text with EEA relevance) (OJ L 198, 22.6.2020, p. 13).

- (14) Infrastructure projects under the TEN-T Regulation should be resilient to the potential adverse impacts of climate change through a climate vulnerability and risk assessment, including through relevant adaptation measures. Projects for which an environmental impact assessment must be carried out should be subject to climate proofing and integrate the costs of greenhouse gas emissions and the positive effects of climate mitigation measures in the cost-benefit analysis. The climate proofing should be undertaken based on the latest available best practice and guidance. This contributes to the integration of climate change-related risks as well as climate change vulnerability and adaptation assessments into investment and planning decisions under the Union budget. Without prejudice to the provisions laid down in other EU acts, in particular implementing acts concerning the conditions of allocation of Union financial support to projects of common interests under Regulation (EU) 2021/1153, the requirement to carry out a climate proofing should apply only to projects for which the procurement process of the environmental impact assessment has not yet been initiated at the date entry into force of this Regulation.
- (15) Member States and other project promoters should carry out environmental assessments of plans and projects according to the relevant legislation in order to avoid or, where avoidance is not possible, to mitigate or compensate for negative impacts on the environment, such as landscape fragmentation, soil sealing and air and water pollution as well as noise, and to protect biodiversity effectively.
- (16) The interests of regional and local authorities, as well as those of the public concerned by a project of common interest, should be appropriately taken into account in the planning and construction phase of projects.
- (17) The definition of the trans-European transport network should be based on a common and transparent methodology and should represent the highest level of infrastructure planning within the Union. It should be multimodal, that is to say it should include all transport modes and their connections as well as relevant traffic and travel information management systems.

- (18) The trans-European transport network should be gradually developed in three steps with the overall aim to realise a multimodal and interoperable European wide network of high quality standards, while respecting the overall Union climate neutrality and environmental objectives: the completion of a core network by 2030, of an extended core network by 2040 and of the comprehensive network by 2050, unless otherwise specified in this Regulation.
- (19) Next to the deadlines of 2030 and 2050 that have already been introduced under Regulation (EU) 1315/2013 of the European Parliament and of the Council¹², an intermediary deadline of 2040 for the compliance of the network with this Regulation should be added for the extended core network that is part of the European Transport Corridors. The same intermediary deadline should also apply for new standards on the core network that have been introduced in addition to the requirements in Regulation (EU) 1315/2013 as to allow for the necessary investments in due time. **The implementation of the requirements, particularly those arising from the newly introduced standards for railway infrastructure, may require substantial financial investments.**
- (20) The trans-European transport network should be a Europe-wide transport network ensuring the accessibility and connectivity of all regions in the Union, including the outermost regions and other remote, rural, insular, peripheral and mountainous regions as well as sparsely populated areas, and strengthening social, economic and territorial cohesion between them. The requirements for the infrastructure of the trans-European transport network should be set in order to promote the development of a high-quality network throughout the Union.

¹² Regulation (EU) No 1315/2013 of the European Parliament and of the Council of 11 December 2013 on Union guidelines for the development of the trans-European transport network and repealing Decision No 661/2010/EU (OJ L 348, 20.12.2013, p. 1).

- (21) The trans-European transport network should be sufficiently equipped with alternative fuels infrastructure in order to ensure that it effectively supports the transition to zero-emission mobility, in line with the deadlines set in Regulation (EU) [...] of the European Parliament and of the Council [on the deployment of alternative fuels infrastructure]¹³.
- (22) In addition to the core network, an extended core network should be defined on the basis of priority sections of the comprehensive network which are part of the European Transport Corridors.
- (23) The core network has been identified on the basis of an objective planning methodology. That methodology has identified the most important urban nodes, ports and airports, as well as border crossing points. Wherever possible, those nodes are to be connected by rail and/or road to the trans-European transport network as long as they are economically viable and feasible. The methodology has ensured the interconnection of all Member States and the integration of the main islands into the core network.
- (24) The core network with a deadline of 2030 and the extended core network with a deadline of 2040 unless otherwise specified in this Regulation should constitute the foundation of the sustainable multimodal transport network, representing the strategically most important nodes and links of the trans-European transport network, according to traffic needs. They should stimulate the development of the entire comprehensive network and enable Union action to concentrate on those components of the trans-European transport network with the highest European added value, in particular cross-border sections, missing links, multimodal connecting points and major bottlenecks.
- (25) Certain existing standards of the core network should be extended to the extended core and comprehensive network in order to reap full network benefits, to increase interoperability between network types and to enable more activity by more sustainable forms of transport, including through higher digitalisation and other technological solutions.

¹³ Regulation of the European Parliament and of the Council of [...] on the deployment of alternative fuels infrastructure, and repealing Directive 2014/94/EU of the European Parliament and of the Council (OJ L [...]).

- (26) Exemptions from the infrastructure requirements applicable to the core, extended core and comprehensive network should be possible only in duly justified cases and subject to certain conditions. This should include cases where investment cannot be justified, or where there are specific geographic or significant physical constraints, for example in outermost regions and other remote, insular, peripheral and mountainous regions or in sparsely populated areas, or in densely populated areas.
- (26a) An isolated network for the purposes of this Regulation should mean a rail network of a Member State, or a part thereof, with a track gauge different from that of the European standard nominal track gauge. Imposing certain standards and requirements of this Regulation to such networks, or parts thereof, would not be justified in economic cost-benefit terms by virtue of the specificities of such networks arising from their detachment from other networks of a different track gauge. Certain railway standards and requirements should therefore not apply to those networks.
- (27) The land-side infrastructure network, established through the core network, extended core network and comprehensive network, should integrate with the maritime dimension of the trans-European transport network. To this end, a truly sustainable, smart, seamless and resilient European Maritime Space, to be implemented in close cooperation with the European macro regional and sea basin strategies, should be created which should embrace the former “Motorways of the Sea”. It should encompass all maritime infrastructure components of the trans-European transport network.
- (28) deleted.

- (29) The Rail Freight Corridors established on the basis of Regulation (EU) No 913/2010 of the European Parliament and of the Council¹⁴ and the Core Network Corridors defined in Regulation (EU) No 1315/2013 are complementary policy instruments, pursuing closely related objectives, in particular to boost sustainable, efficient and safe transport services. Although cooperation has been fruitful on many aspects, in some cases overlapping of activities and needs for a better exchange of information have been identified. Moreover, the Rail Freight Corridors and the Core Network Corridors are not entirely geographically aligned, limiting the possibility for coordination, for example on issues such as the deployment of the infrastructure requirements of the trans-European transport network or the improvement of the quality of railway services. There is therefore an important untapped potential for streamlining, increased effectiveness and synergies.

¹⁴ Regulation (EU) No 913/2010 of the European Parliament and of the Council of 22 September 2010 concerning a European rail network for competitive freight (OJ L 276, 20.10.2010, p. 22).

- (30) As stated in the Commission Communication on the Sustainable and Smart Mobility Strategy, an integration of the Core Network Corridors and of the Rail Freight Corridors into ‘European Transport Corridors’ is needed to increase synergies between infrastructure planning and the operation of transport. In line with that objective, the Commission is encouraged to adopt a proposal, where appropriate, to revise the rules on rail freight capacity allocation currently embedded in Regulation No 913/2010 in timely manner to ensure smooth functioning of the freight transport on the Corridors. The European Transport Corridors should become the instrument for the development of sustainable and multimodal freight and passenger transport flows in Europe and for the development of interoperable high-quality infrastructure and operational performance. As such, they should also be the tool to realise the vision of creating a highly competitive rail network across the Union.
- (30a) New operational requirements for the rail freight corridors should apply to ensure a high quality of services. In particular, Member States should make all possible efforts to ensure that the dwelling time of freight trains crossing a border between two Member States does not exceed 25 ~~20~~ minutes on average and that most trains crossing at least one border of a freight corridor arrive at their destination or at the external Union border at their scheduled time or with a delay of less than 30 minutes. The time-limit for dwelling time should not apply where a change of track gauge takes place. It should not apply either at borders between two Member States where the controls in application of Regulation (EU) 2016/399, which imposes in particular to carry out checks on train passengers and on railway staff on passenger and goods trains crossing external borders, have not yet been lifted and where the checks carried on trains in application of that Regulation do not allow for this time-limit to be complied with. Those changes of track gauge and checks on trains may lead to congestion and longer waiting time at the border. Delays occurred in and attributable to third countries that are crossed by freight trains should also not be taken into account.

- (30b) Under Regulation (EU) No 913/2010 in its initial version, Member States having a rail network with a track gauge different from that of the main rail network within the Union were not obliged to participate in the establishment of freight corridors or the prolongation of existing corridors under that Regulation. Such Member States should be allowed, for a maximum temporary period of 10 years, to decide that the infrastructure manager(s) responsible for the railway infrastructure on their territory do not participate in the management board of the freight corridors on their territory.
- (30c) Regulation (EU) No 913/2010 aims mainly at the organisation and the management of international rail corridors for competitive rail freight. Given its insularity, Ireland is not connected to other Member States by rail. Moreover, under that Regulation, in its initial version, Member States having a rail network with a track gauge different from that of the main rail network within the Union were not obliged to participate in the establishment of freight corridors or the prolongation of existing corridors under that Regulation. Ireland made use of that possibility. Accordingly, no rail freight corridor was established on the territory of Ireland under Regulation (EU) No 913/2010 in its initial version. In those circumstances, given the limited added value for Irish authorities and its infrastructure manager(s) of participating in the governance of the freight corridors under Regulation (EU) 913/2010, Ireland should be allowed to decide that the representatives of its authorities and the infrastructure manager(s) responsible for the railway infrastructure on its territory do not participate in the executive board and/or in the management board of the freight corridors on its territory.
- (31) European Transport Corridors should cover the most important long-distance transport flows and consist of key European transport multimodal axis, based on parts of the trans-European transport network, cross borders, be multimodal and open to the inclusion of all transport modes covered in this Regulation.

- (32) In order to establish the trans-European transport network in a coordinated and timely manner, thereby making it possible to maximise network effects, Member States concerned should ensure that appropriate measures are taken to finalise the projects of common interest of the core, the extended core and the comprehensive network by the given deadlines 2030, 2040 and 2050 respectively, unless otherwise specified in this Regulation. To this end, Member States should ensure that there is coherence of the national transport and investment plans with the priorities set out in this Regulation. Member States should also take into account, **inter alia**, the priorities set out in the work plans of the European Coordinators. However, the scope, methodology or timeframe of national plans and programs remain solely within the competence of Member States.
- (33) It is necessary to identify projects of common interest which will contribute to the achievement of the trans-European transport network and which contribute to the achievement of the objectives and correspond to the priorities established in this Regulation. Their implementation should depend on their degree of maturity, on their compliance with Union and national legal procedures and on the availability of financial resources, without prejudging the financial commitment of a Member State or of the Union.
- (34) Projects of common interest to develop the trans-European transport network in line with the requirements set out in this Regulation have European added value, as they contribute to a high-quality, interoperable and multimodal European network, increasing sustainability, cohesion, efficiency or user benefits. The European added value is higher if it leads, in addition to the potential value for the respective Member State alone, to significant improvements of transport connections or transport flows between Member States or between a Member State and a third country. Such cross-border projects should be the subject of priority intervention by the Union in order to ensure that they are implemented.
- (35) Member States and other project promoters should ensure that assessments of projects of common interest are carried out efficiently, avoiding unnecessary delays.
- (36) deleted.
- (37) deleted.

(38) Cooperation with third countries, including neighbouring countries, is necessary in order to ensure connection and interoperability between the infrastructure networks of the Union and those countries. The Union should, where appropriate, promote projects of common interest with those countries, ensuring that the objectives and interoperability requirements of the trans-European transport network are complied with. Such projects should also be aligned with the goal of achieving climate neutrality in the EU by 2050 and ensure that there is level playing field in transport, in particular by preventing carbon leakage.

(38a) Moved from recital 39a:

The resilience of the European transport network has been challenged and put to test by the devastating impact of Russia's war of aggression against Ukraine. That aggression has redefined the geopolitical landscape, bringing to the surface the vulnerability of the Union to unforeseen disruptive events beyond the Union's borders. Its major impacts on global markets, such as global food security, has highlighted the fact that the Union's internal market and its transport network cannot be viewed in isolation when it comes to shaping Union policy. More than ever, better connections with the Union neighbouring partner countries are needed.

(38b) Moved from recital 39b:

Given that new geopolitical context, the Commission Communication from 12 May 2022 on the "Solidarity Lanes"¹⁵ identifies several major transport infrastructure challenges that the Union and its neighbouring countries need to resolve in order to support Ukraine's economy and recovery, to enable agricultural and other goods to reach the Union and world markets, and ensure that connectivity with the Union is greatly enhanced for both exports and imports. To offer increased connectivity with the Union, that Communication proposed to assess the extension of the European Transport Corridors into Ukraine and the Republic of Moldova.

¹⁵ COM(2022) 217 final.

(38c) Moved from recital 39c:

Because of Russia's war of aggression against Ukraine, and the position adopted by Belarus in that conflict, cooperation between the Union and Russia and Belarus in the field of the TEN-T policy is neither appropriate nor in the interest of the Union. Hence the TEN-T network in those two third countries should be discontinued. As a consequence, improved cross-border connections to Russia and Belarus are no longer of high priority on the territory of the Member States. Connections currently exist between Finland, Estonia, Latvia, Lithuania and Poland with those two third countries. To reflect the lesser priority in building and upgrading those connections, the last-miles of all cross-border connections with Russia and Belarus currently included in the core network should be downgraded in the maps included in this Regulation from the core to the comprehensive network for which only a later deadline of implementation of 2050 is provided for. However, in case of a democratic transition in Belarus building and upgrading the country's cross border connections with the EU in line with the comprehensive economic plan for a democratic Belarus would be a high priority, including through re-inclusion of the country back in the Regulation.

(38d) Moved from recital 39a:

The new geopolitical context arising from Russia's war of aggression against Ukraine showed how important seamless transport connections are within the Union's territory and with neighbouring third countries. A different railway track gauge from the European standard nominal track gauge of 1 435 mm severely hampers the interoperability of the railway networks across the Union and even impacts the competitiveness of those isolated railway networks. New railway lines of the core or extended core network should therefore be built in European standard nominal track gauge of 1 435 mm. In addition, Member States with a different track gauge network should assess the migration of existing lines of the European Transport Corridors. This obligation should not apply to island and outermost regions, as, due to their geographical situation, their network is fully detached from any land-side connection on the Union territory.

- (39) To achieve transformation of the transport sector into a truly multimodal system of sustainable and smart mobility services, the Union should build a high-quality transport network with lines designed for a speed of at least 100 km/h. Competitive passenger rail has a high potential for the decarbonisation of transport. There is the need to develop a coherent and interoperable European high speed rail network linking its capitals and major cities. Complementing existing high-speed lines with lines designed for a speed of at least 160 km/h should in return lead to network effects, a more coherent network and an increased number of passengers travelling by rail. However, those speed design requirements should be limited to a certain percentage of the rail sections concerned in order to take into account the need for flexibility on rail sections with special features as a result of topographical, relief or town-planning constraints, to which the speed must be adapted in each case, including inter alia interconnecting lines, lines through stations, accesses to terminals and service facilities or depots. Exemptions should be granted by the Commission upon request by a Member State to enable further flexibility beyond the specific percentage values laid down in this Regulation if needed and justified. When upgrading the infrastructure, Member States are encouraged to examine possibilities of design for higher speed as provided in Annex I of Directive 2016/797.
- (39a) Moved to recital 38d.
- (40) A more sustainable, resilient and reliable rail freight network across Europe should be established to contribute to the competitiveness of combined transport. The infrastructure for combined railway transport and of terminals should be upgraded to ensure that intermodal transport is primarily done by rail, inland waterways or short-sea shipping and that any initial and/or final legs carried out by road are as short as possible.

- (40a) Intermodal transport accounts for around half of rail freight ton-kilometres in Europe, with its share growing. In order to achieve goals stipulated in the Communication of the Commission on the Sustainable and Smart Mobility Strategy to double the portion of freight transport carried by railway, special attention should be paid to transport which combines rail for the main part of the journey and truck for the first and last mile. In a view to contributing to the increase of intermodal traffic, the infrastructure should allow for the circulation of freight trains carrying standard semitrailers up to 4 meters high on wagons of a height of at least 27 centimetres. However, complying with that requirement entails numerous, sometimes costly, adaptation. It is therefore important to find a balanced approach to the implementation of this requirement and ensure that its implementation is done in a cost-effective manner. In this respect, Member States should ensure the requirement is implemented in a way that at least one domestic direct line, one direct rail freight line connection with neighbouring Member State(s), and one connection to at least one rail-road terminal or multimodal freight terminal located in or adjacent to a maritime port which is part of the European Transport Corridor in the territory of a Member State is ensured. Moreover, if one or more end points of a corridor are located on the territory of a Member State, there should be at least one direct line meeting that requirement to at least one of these end points. When selecting the relevant lines, Member States should take into account the current and future rail freight transport flows. When assessing exemptions requests from the requirement related to carriage of the semi-trailers under this Regulation, the Commission should take particularly into consideration the result of the socio-economic cost-benefit analysis as well as the potential disruption of the services caused by the necessary work needed to meet this standard. **Moreover, when assessing requests for the exemptions from the requirements applicable to the railway infrastructure of the extended core network, the Commission should take particularly into consideration any major investment undertaken by the Member State concerned on a parallel line in close proximity to the ones to be newly constructed.**
- (41) deleted.

- (42) Member States should ensure that the European Rail Traffic Management System (ERTMS) is deployed on the comprehensive network by 2050, on the extended Core Network by 2040 and on the core network by 2030. When deploying ERTMS on the comprehensive network, a priority in terms of timing should be given to the lines which can contribute to the safe and efficient cross-border international rail transport. As deployment of a radio-based ERTMS further contributes to the elimination of national rules affecting operation, Member States should ensure that only radio-based ERTMS is deployed from 2030 on new lines and the entire trans-European transport network equipped with radio-based ERTMS by 2050.
- (43) Moved to recital 42 (last sentence).
- (44) Decommissioning of class B systems brings significant maintenance savings for infrastructure managers considering the costs and the complexity of deploying ERTMS and keeping additional trackside systems for a prolonged period. Member States should aim, where appropriate, at decommissioning of class B systems trackside by 2050.
- (45) Inland waterways in Europe are characterised by a heterogeneous hydro-morphology which hampers a coherent performance for all waterway stretches. Inland waterways, especially free flowing stretches, may be heavily impacted by climate and weather conditions. In order to ensure reliable international traffic, while respecting the hydro-morphology and applicable environmental legislation, TEN-T requirements should take into account the specific hydro-morphology of each waterway (for example free-flowing or regulated rivers) as well as the objectives of environmental and biodiversity policies. For this purpose, reference water levels should be established for each European Transport Corridor, waterway or section of waterway. In the process of specifying reference water levels the Commission should closely cooperate with Member States concerned and the river navigation commissions concerned set up by international agreements in order to ensure a coherent approach regarding the requirements for inland waterway infrastructure with a view to promote that mode of transport.

- (46) Being the entry and exit points for the land infrastructure of the trans-European transport network, maritime ports play an important role as cross-border multimodal nodes which serve not only as transport hubs, but may also be gateways for trade, industrial clusters and energy hubs. As highlighted in the RePowerEU plan adopted by the Commission, there is a need for diversification of energy supplies, and accelerated roll-out of renewable energy. Maritime ports can contribute to this goal through the deployment of off-shore wind installations, production of green hydrogen and transport and storage of liquefied natural gas. To strengthen synergies between the transport and energy sector in the efforts to decarbonise the Union's economy, maritime ports could also play a role in transporting of carbon dioxide through pipelines or other modes of transport.
- (47) Short sea shipping can make a substantial contribution to the decarbonisation of transport by carrying more freight and passengers on sea, inter alia as to reduce road congestion on the Union's territory and to improve access to peripheral and island regions and states. There is however a need to better integrate short-sea shipping links, constituting the maritime dimension of the trans-European transport network, with the landside network and to put stronger emphasis on the entire transport and logistic chain, both to sea and hinterland. The newly created overarching concept of the European Maritime Space should be promoted by creating or upgrading short-sea shipping routes and by developing maritime ports and their hinterland connections as to provide an efficient and sustainable integration with other modes of transport. Moreover, that new concept should foster sustainable short-sea shipping links with the aim to concentrate flows of freight on sea-based logistical routes in such a way as to improve existing maritime links or to establish new viable, regular and frequent maritime links.
- (48) Road transport in the Union accounts for three-quarters of the total inland freight transport (based on tonne-kilometres performed) and for around 90% of the total inland passenger transport (based on the total number of passenger kilometres). Given the importance of road transport and the commitment to improve road safety in line with the milestone of the Commission Communication on the Sustainable and Smart Mobility Strategy, there is a need to enhance the road infrastructure from the safety point of view.

(48a) Member States should ensure the connection of airports of the core network of a certain traffic volume to urban nodes, by rail, metro, light rail or trams to improve connectivity, ensure adequate capacity and user convenience except where specific geographic or significant physical constraints prevent such connections. With respect to those airports, which are global hubs, Member States are encouraged to develop or enhance connections to long-distance rail or high-speed rail to provide alternatives to short haul flights.

(48b) In order to foster innovation in the field of air transport, spaceports should be included in the list of air transport infrastructure components. However, that inclusion should be without prejudice to the competence of the Union in the area of space under Article 4(3) TFEU and Article 189 TFEU which excludes any harmonisation of the laws and regulations of the Member States. Moreover, the inclusion of spaceports in the list of air transport infrastructure components under this Regulation should not lead to the application of existing or future EU legislation relating to air transport infrastructure to spaceports unless expressly provided by such legislation.

(49) The trans-European transport network should ensure efficient multimodality in order to allow better and more sustainable modal choices to be made for passengers and freight and in order to enable large volumes to be consolidated for transfers over long distances. Multimodal terminals should play a key role to meet this objective.

(49a) Member States should conduct a market and prospective analysis on multimodal freight terminals on their territory and elaborate an action plan for the development of a multimodal freight terminal network. To this aim, they may refer to existing studies and plans. The action plan prepared by Member States should promote the development of multimodal freight terminals. However, Member States should not be obliged to implement the action plan. Moreover, the action plan should not lead to an obligation for the private sector to invest in terminals. The plan should not be subject to Strategic Environmental Assessment.

- (50) Urban nodes play an important role on the trans-European transport network as starting point or final destination ("last mile") for passengers and freight moving on the trans-European transport network and are points of transfer within or between different transport modes. It should be ensured that capacity bottlenecks and an insufficient network connectivity within urban nodes do no longer hamper multimodality along the trans-European transport network. The trans-European transport network policy should focus on promoting seamless traffic flows from, to and across urban nodes on the network. The local connectivity within urban nodes should be addressed by the competent local, regional or national authorities, in particular through relevant measures of the SUMP.
- (51) As an effective single framework for tackling urban mobility challenges, a Sustainable Urban Mobility Plan (SUMP), which is a long-term, all-encompassing integrated freight and passenger mobility plan for the entire functional urban area, should be adopted for each urban node. It could include objectives, targets and indicators underpinning the current and future performance of the urban transport system.
- (52) Member States should promote the uptake of SUMP with a view to improving coordination among regions, cities and towns. ~~It~~ **To that end, Member States may** ~~should~~ support local authorities to develop high-quality SUMP and reinforce monitoring and evaluation of the SUMP implementation through ~~legislative~~ **any appropriate** measures, guidance, capacity building, assistance and possibly financial support.
- (52a) SUMP may be included in existing plans, that may be further developed to meet SUMP guidelines, and/or in broader plans that also integrate land use plans for instance given the interlinkages between land use and mobility. Several SUMP should be allowed in the cases of highly populated urban nodes.
- (53) The Mission on Climate-neutral and Smart Cities, set up under the Horizon Europe framework programme, aims to have 100 climate neutral cities in the Union by 2030. The cities involved in the Mission will act as experimentation and innovation hubs for others to follow by 2050.

- (54) Multimodal digital mobility services help to enhance the integration of the different transport modes by combining several transport offers into one. Their further development should contribute to nudge behaviours towards the most sustainable modes, public transport and active modes such as walking and cycling.
- (55) Information and Communication Technology (ICT) systems for transport are necessary in order to provide the basis for optimising traffic and transport operations and traffic safety and improving related services. Information flows in the transport and mobility network should be facilitated, including through the deployment of the Union Mobility Data Space. Information to passengers, including information on ticketing and reservation systems, should be available.
- (56) Intelligent transport systems and services as well as new emerging technologies should serve as a catalyst for the deployment of intelligent transport systems and services on all roads of the trans-European transport network.
- (57) Adequate planning of the trans-European transport network is required. This also entails the implementation of specific requirements throughout the network in terms of infrastructure, ICT systems, equipment and services, including the requirements for the alternative fuel infrastructure rollout as defined in Regulation (EU) [...] of the European Parliament and of the Council [on the deployment of alternative fuels infrastructure]¹⁶. It is therefore necessary to ensure adequate and concerted deployment of such requirements across Europe for each transport mode and for their interconnection across the trans-European transport network and beyond, in order to obtain the benefits of the network effect and to make efficient long-range trans-European transport operations possible. In order to ensure the deployment of alternative fuels across the entire road network of the trans-European transport network in line with the targets set in Regulation (EU) [...] [on the deployment of alternative fuels infrastructure], references to ‘core network’ in Regulation (EU) [...] [on the deployment of alternative fuels infrastructure] should be construed as references to ‘core network’ as defined in this Regulation. References to ‘comprehensive network’ in Regulation (EU) [...] [on the deployment of alternative fuels infrastructure] should be construed as references to ‘extended core network’ and ‘comprehensive network’ as defined in this Regulation.

¹⁶ Regulation of the European Parliament and of the Council of [...] on the deployment of alternative fuels infrastructure, and repealing Directive 2014/94/EU of the European Parliament and of the Council (OJ L [...]).

- (58) The trans-European transport network should provide the basis for the large-scale deployment of new technologies and innovation, which can help enhance the overall efficiency of the European transport sector and capacity to enable secure passenger flows using efficient means, make public or greener transport means more attractive for passengers, and reduce its carbon footprint. This will contribute towards the objectives of the European Green Deal and at the same time contribute to the objective of increasing energy security for the Union. In order to achieve those objectives, the availability of alternative fuels and related infrastructure should be improved throughout the trans-European transport network.
- (59) A sufficient number of fast recharging points for light and heavy-duty vehicles accessible to the public should be deployed across the trans-European transport network. This aim should ensure full cross-border connectivity and allow electric vehicles to circulate throughout the Union. Distance-based targets for the trans-European transport network as defined in Regulation (EU) [...] [on the deployment of alternative fuels infrastructure] are to ensure a minimum of sufficient coverage of electric recharging points along the Union's main road networks.
- (60) Publicly accessible recharging infrastructure along the trans-European transport network as defined in Regulation (EU) [...] [on the deployment of alternative fuels infrastructure] should be complemented with requirements on the deployment of recharging infrastructure in multimodal terminals and for multimodal passenger hubs, to provide charging opportunities for long haul trucks when they are being loaded or unloaded or when the driver is taking a rest or for buses in multimodal passenger hubs. In order to ensure free circulation, where the terminals or passenger hubs receive Union or public support, the access for purposes of charging, should be on fair, transparent and non-discriminatory basis, so as to avoid market lock in for specific enterprises or possible distortions of competition.

- (61) Insufficient safety, security and reliability of the infrastructure, caused by natural hazards, including climate related events and other exceptional occurrences such as pandemics, human-made disasters such as accidents, or disruptions caused by intentional acts such as terrorism and cyber-attacks, is a major problem for the efficiency and functioning of the trans-European transport network. For instance, accidents caused by several natural disasters due to extreme weather events have interrupted the transport flows significantly in the past years. The resilience of the transport network to climate change, natural hazards, human-made disasters and other disruptions should hence be improved, drawing on the risk assessment and resilience enhancing measures taken by critical entities for the transport sector pursuant to Directive [...] on the resilience of critical entities¹⁷.
- (62) Taking stock of the experience with regard to the crisis management during the Covid-19 pandemic¹⁸ and in order to avoid traffic disruptions and contingencies in future, Member States should take into account the security and resilience of the transport infrastructure to climate change, natural hazards, human-made disasters and other disruptions affecting the functioning of the Union transport system, when planning infrastructure. To that aim, the European Transport Corridors should also include important diversionary lines which can be used in case of congestion or other problems on the principal routes. In addition, due to their multimodal nature, one mode can substitute the other in case of emergencies.

¹⁷ This Directive refers to the Commission’s proposal for a Directive of the European Parliament and of the Council on the resilience of critical entities, COM/2020/829 final.

¹⁸ Communication on the implementation of the Green Lanes under the Guidelines for border management measures to protect health and ensure the availability of goods and essential services; C(2020)1897 final (OJ C 96 I, 24.3.2020, p. 1) and Communication of 28 October 2020 from the Commission to the European Parliament, the European Council and the Council on “upgrading the transport Green Lanes to keep the economy going during the COVID-19 pandemic resurgence”; COM(2020)685 final.

- (63) The participation of undertakings, including those, which are owned or controlled by a natural person of a third country or an undertaking of a third country, including those, which are established in a third country, can accelerate the realisation of the trans-European transport network. However, under specific circumstances, the participation of or contribution by undertakings owned or controlled by a natural person of a third country or an undertaking of a third country to projects of common interest might compromise security and public order in the EU. Without prejudice and in addition to the cooperation mechanism pursuant to Regulation (EU) 2019/452¹⁹, greater awareness of such participation or contribution is necessary to allow intervention of public authorities if it appears that they are likely to affect security or public order in the Union and the participation or contribution does not fall under the scope of Regulation (EU) 2019/452²⁰.
- (64) While maintenance is and will remain the main responsibility of the Member States and without prejudice to the competence of Member States regarding in particular the financing and management of the maintenance, it is important that the trans-European transport network – once built – is properly maintained to ensure a high quality of services, following a life cycle approach when planning and procuring infrastructure projects. In particular, Member States should make all possible efforts to ensure that long term maintenance planning for road and where relevant, for inland waterway infrastructure is put in place.
- (65) In order to implement parts of the trans-European transport network of highest strategic importance within the given timescale, a corridor approach should be used as an instrument to coordinate different projects on a transnational basis and to synchronise the development of the corridor, thereby maximising network benefits.

¹⁹ Regulation (EU) 2019/452 of the European Parliament and of the Council of 19 March 2019 establishing a framework for the screening of foreign direct investments into the Union (OJ L 79I , 21.3.2019, p. 1).

²⁰ This recital might be further adjusted to reflect the changes in Article 47.

- (66) European Transport Corridors should help to develop the infrastructure of the trans-European transport network in such a way as to address bottlenecks, enhance cross-border connections and improve efficiency and sustainability. They should contribute to cohesion through improved territorial cooperation. They should also address wider transport policy objectives and facilitate interoperability, modal integration and multimodal operations. The corridor approach should be transparent and clear and the management of such corridors should not create additional administrative burdens or costs.
- (67) In order to facilitate the coordinated implementation of the European Transport Corridors and of the two horizontal priorities, ERTMS and European Maritime Space, European Coordinators should be designated by the Commission in agreement with the Member States concerned. They should facilitate measures to design the right governance structure and ensure coherent priority setting of infrastructure and investment planning along the European Transport Corridors and of the two horizontal priorities.
- (68) The European and national frameworks for transport infrastructure planning and implementation as well as work plans established by the European Coordinators should contribute to the timely schedule and planning of investments necessary for the achievement of the objectives of this Regulation.

- (69) The work plans of the European Coordinators should be used to promote cooperation between all relevant stakeholders, to strengthen complementarity with actions by Member States and infrastructure managers and in particular to set indicative milestones for the implementation of major missing links and cross-border sections and for the removal of bottlenecks.
- (70) The technical basis of the maps specifying the trans-European transport network is provided by the interactive geographical and technical information system for the trans-European transport network (TENtec).
- (71) Taking into account the Communication of the Commission on the Action Plan on Military Mobility of March 2018²¹ the Commission assessed the need to adapt the trans-European transport network to reflect the military use of the infrastructure. Based on the gap analysis between the trans-European transport network and the military requirements²² additional roads and railways have been included in the trans-European network to enhance the synergies between civilian and military transport networks.

²¹ Joint Communication to the European Parliament and the Council on the Action Plan on Military Mobility (JOIN(2018)05 final).

²² Joint Staff Working Document on the updated Gap Analysis between the military requirements and the trans-European transport network requirements, 17 July 2020, (SWD(2020) 144 final).

- (72) In order to maximise consistency between the guidelines and the programming of the relevant financial instruments available at Union level, trans-European transport network funding should comply with this Regulation and be based, in particular, on Regulation (EU) No 2021/1153 of the European Parliament and of the Council²³. In addition, network funding should also build on funding and financing instruments provided under other Union law, including InvestEU, the Recovery and Resilience Facility, Cohesion Policy, Horizon Europe and other financing instruments established by the European Investment Bank. To enable the financing of projects of common interest, references to ‘multimodal logistics platforms’, ‘motorways of the sea’ and ‘telematic applications’ in Regulation (EU) 2021/1153 should be respectively construed as references to ‘multimodal freight terminals’, ‘European Maritime Space’ and ‘ICT systems for transport’ as defined in this Regulation. For the same purpose, references to ‘core network’ in Regulation (EU) 2021/1153 should be construed as including ‘extended core network’ as defined in this Regulation.
- (73) The achievement of the objectives of the trans-European transport network, in particular with regard to the decarbonisation and digitalisation of the transport system in the Union, requires a robust regulatory framework. Ambitious reforms should be implemented by Member States to address the challenges of sustainable transport as identified in the European Semester. The Recovery and Resilience Facility supports both reforms and investments to make transport more sustainable, reduce emissions, improve safety and efficiency. Relevant measures to that effect are included in approved Recovery and Resilience Plans.

²³ Regulation (EU) No 2021/1153 of the European Parliament and of the Council of 7 July 2021 establishing the Connecting Europe Facility and repealing Regulations (EU) No 1316/2013 and (EU) No 283/2014 (OJ L 249, 14.7.2021, p. 38).

- (74) In order to update the maps and the list of ports, airports, terminals and urban nodes included in Annexes I and II to take into account possible changes resulting in particular from the actual usage of certain elements of transport infrastructure analysed against pre-established quantitative thresholds and to amend the alignments of the European Transport Corridors in Annex III, the power to adopt delegated acts in accordance with Article 290 of the Treaty on the Functioning of the European Union should be delegated to the Commission in respect of amendments to Annexes I, II and III. It is of particular importance that the Commission carry out appropriate consultations during its preparatory work, including at expert level, and that those consultations be conducted in accordance with the principles laid down in the Interinstitutional Agreement of 13 April 2016 on Better Law-Making²⁴. In particular, to ensure equal participation in the preparation of delegated acts, the European Parliament and the Council receive all documents at the same time as Member States' experts, and their experts systematically have access to meetings of Commission expert groups dealing with the preparation of delegated acts.
- (75) Some parts of the network are managed by actors other than Member States. However, Member States are responsible for ensuring that the rules governing the network are correctly applied within their territory.
- (76) In order to ensure a smooth and effective implementation of the obligations laid down in this Regulation, the Commission supports Member States through the Technical Support Instrument²⁵ providing tailor-made technical expertise to design and implement reforms, including those promoting the development of the trans-European transport network.

²⁴ Interinstitutional Agreement between the European Parliament, the Council of the European Union and the European Commission on Better Law-Making of 13 April 2016 (OJ L 123, 12.5.2016, p. 1).

²⁵ Regulation (EU) 2021/240 of the European Parliament and of the Council of 10 February 2021 establishing a Technical Support Instrument.

- (77) In order to ensure uniform conditions for the implementation of this Regulation, implementing powers should be conferred on the Commission as regards the granting of exemptions from certain requirements of this Regulation as well as for the adoption of implementing acts which specify reference water levels, which establish a methodology for the urban mobility data to be collected by Member States, for the adoption of implementing acts for the implementation of cross-border sections of the European Transport Corridors and for the two horizontal priorities. Implementing acts may be also adopted for the specific sections of the European Transport Corridors upon request by Member States concerned. Those powers should be exercised in accordance with Regulation (EU) No 182/2011 of the European Parliament and of the Council²⁶.
- (77a) The provisions relating to railways, and in particular any requirement to connect airports and ports to railways as well as the provisions related to multimodal freight terminals should not apply to Cyprus, Malta and outermost regions for as long as no railway system is established within their territory. The provisions related to safe and secure parking should not apply to those Member States and regions either as such parking spaces are not essential in the absence of transit road freight traffic on their territory.
- (78) Since the objectives of this Regulation, in particular the coordinated establishment and development of the trans-European transport network, cannot be sufficiently achieved by the Member States and can therefore, by reason of the need for coordination of those objectives, be better achieved at Union level, the Union may adopt measures in accordance with the principle of subsidiarity as set out in Article 5 of the Treaty on European Union. In accordance with the principle of proportionality, as set out in that Article, this Regulation does not go beyond what is necessary in order to achieve those objectives.

²⁶ Regulation (EU) No 182/2011 of the European Parliament and of the Council of 16 February 2011 laying down the rules and general principles concerning mechanisms for control by Member States of the Commission's exercise of implementing powers (OJ L 55, 28.2.2011, p. 13).

- (79) It is necessary to amend Regulation (EU) 2021/1153 in order to adapt its provisions with the view to integrating the Core Network Corridors into European Transport Corridors. The definition and the alignment of the European Transport Corridors will be defined in this Regulation and will replace the Core Network Corridors as defined in that Regulation.
- (80) It is necessary to amend Regulation (EU) No 913/2010 in order to adapt its provisions with the view to integrating the Rail Freight Corridors into European Transport Corridors.
- (81) Regulation (EU) No 1315/2013 should be repealed.

CHAPTER I

GENERAL PRINCIPLES

Article 1

Subject matter

1. This Regulation establishes guidelines for the development of a trans-European transport network consisting of the comprehensive network and of the core and extended core network, the two latter being established on the basis of the comprehensive network.
2. This Regulation identifies:
 - (a) European Transport Corridors of highest strategic importance on the basis of priority sections of the trans-European transport network;
 - (b) projects of common interest and specifies the requirements to be complied with for the development and implementation of the infrastructure of the trans-European transport network.
3. This Regulation sets out the priorities for the development of the trans-European transport network and provides for measures for the implementation of the trans-European transport network.

Article 2

Scope

1. This Regulation applies to the trans-European transport network as specified in the maps in Annex I and in the lists in Annex II. The trans-European transport network comprises transport infrastructure, including infrastructure for the deployment of alternative fuels, ICT systems for transport as well as measures promoting the efficient management and use of such infrastructure and permitting the establishment and operation of sustainable and efficient transport services.
2. The infrastructure of the trans-European transport network consists of the infrastructure for railway transport, inland waterway transport, maritime transport, road transport, air transport and multimodal transport, including in urban nodes, as laid down in the relevant sections of Chapters II, III and IV.

Article 3

Definitions

For the purpose of this Regulation, the following definitions apply:

- (a) 'project of common interest' means any project carried out pursuant to this Regulation;
- (b) 'neighbouring country' means a third country falling within the scope of the European Neighbourhood Policy, the Enlargement Policy, and the European Economic Area, the European Free Trade Association or the EU-UK Trade and Cooperation Agreement;
- (c) 'NUTS region' means a region as classified in Regulation (EC) No 1059/2003 on the establishment of a common classification of territorial units for statistics;

- (d) 'cross-border section' means the section which ensures the continuity of a project of common interest on both sides of the border, between the closest urban nodes to the border of two Member States or between a Member State and a neighbouring country;
- (e) 'bottleneck' means a physical, technical, functional, operational or administrative barrier which leads to a system break affecting the continuity of traffic for long-distance or cross-border flows;
- (f) 'urban node' means an urban area where elements of the transport infrastructure of the trans-European transport network, such as ports including passenger terminals, airports, railway stations, bus terminals, logistic platforms and facilities and freight terminals located in and around the urban area, are connected with other elements of that infrastructure and with the infrastructure for regional and local traffic, including the one related to active modes;
- (g) 'isolated network' means the rail network of a Member State, or a part thereof, with a track gauge different from that of the European standard nominal track gauge (1435 mm).
- (h) Deleted;
- (i) 'multimodal transport' means the carriage of passengers or freight, or both, using two or more modes of transport;
- (j) 'multimodal digital mobility services' means services as defined in Article [...] of Directive 2010/40 (EU) on the framework for the deployment of Intelligent Transport Systems²⁷;

²⁷ Directive XXX (EU)/... revising Directive 2010/40/EU of the European Parliament and of the Council of 7 July 2010 on the framework for the deployment of Intelligent Transport Systems in the field of road transport and for interfaces with other modes of transport] (OJ L [...]).

- (k) 'interoperability' means the ability, including all the regulatory, technical and operational conditions, of the infrastructure, including digital infrastructure in a transport mode or segment, to allow safe and uninterrupted traffic and information flows which achieve the required levels of performance for that infrastructure mode or segment;
- (l) 'multimodal passenger hub' means a connection point between at least two transport modes for passengers, where travel information, access to public transport and transfers between modes, including active modes, are ensured and which act as an interface between urban nodes and longer-distance transport networks;
- (m) 'multimodal freight terminal' means a structure equipped for transshipment between at least two transport modes or between two different rail systems, and for temporary storage of freight, such as terminals in inland or maritime ports, along inland waterways, in airports as well as rail road terminals;
- (n) 'logistic platform' means an area which is directly linked to the transport infrastructure of the trans-European transport network, which includes at least one freight terminal and enables logistics activities to be carried out;
- (o) 'sustainable urban mobility plan' (SUMP) means a document for strategic mobility planning, aiming at improving, in a sustainable way, accessibility to and mobility within the functional urban area for people, businesses and goods in view in particular of a better quality of life;
- (p) 'active modes' means the transport of people or goods, through non-motorised means, based on human physical activity, including those with electric auxiliary propulsion as referred to in Article 2(2) (h) of Regulation (EU) No 168/2013;

- (q) 'ICT systems for transport' means information and communications technology systems and applications using information, communication, navigation or positioning/localisation technologies, enabling to process, store and exchange the data and information needed to manage infrastructure, mobility and traffic on the trans-European transport network effectively, to report relevant information to authorities and to provide value-added services to citizens, shippers and operators, including systems for resilient, safe, secure, environmentally sound and capacity-efficient use of the network. They include systems, technologies and services referred to in points (r) to (x) and may also include on-board devices with corresponding infrastructure or digital components;
- (r) 'intelligent transport system' (ITS) means a system as defined in Article 4(1) of Directive (EU) 2010/40/EU of the European Parliament and of the Council of 7 July 2010 on the framework for the deployment of Intelligent Transport Systems in the field of road transport and for interfaces with other modes of transport²⁸;
- (s) 'Vessel Traffic Monitoring and Information Systems' (VTMIS) means systems established by Directive 2002/59/EC of the European Parliament and of the Council²⁹;
- (t) 'River Information Services' (RIS) means information and communication technologies on inland waterways as defined in Article 3, point (a) of Directive 2005/44/EC of the Parliament and of the Council³⁰;

²⁸ Directive 2010/40/EU of the European Parliament and of the Council of 7 July 2010 on the framework for the deployment of Intelligent Transport Systems in the field of road transport and for interfaces with other modes of transport (OJ L 207, 6.8.2010, p. 1).

²⁹ Directive 2002/59/EC of the European Parliament and of the Council of 27 June 2002 establishing a Community vessel traffic monitoring and information system and repealing Council Directive 93/75/EEC (OJ L 208, 5.8.2002, p. 10).

³⁰ Directive 2005/44/EC of the Parliament and of the Council of 7 September 2005 on harmonised river information services (RIS) on inland waterways in the Community (OJ L 255, 30.9.2005, p. 152).

- (u) ‘European Maritime Single Window environment’ (EMSWe) means the legal and technical framework as defined in Regulation (EU) 2019/1239 of the European Parliament and of the Council³¹;
- (v) ‘Air Traffic Management / Air Navigation Service System’ (ATM/ANS System) means an ATM/ANS system as defined in Article 3(7) of Regulation (EU) 2018/1139;
- (w) ‘European Rail Traffic Management System’ (ERTMS) means the system referred to in Directive (EU) 2016/797 and in the Annex, point 2.2, to the Commission Regulation (EU) 2016/919³²;
- (x) ‘radio-based ERTMS’ means ERTMS of level 2 or level 3 that uses radio to pass movement authorities to the train pursuant to Commission Regulation (EU) 2016/919³³;
- (y) ‘class B systems’ means train protection and voice radio legacy systems as defined in the Annex, point 2.2, to the Commission Regulation (EU) 2016/919;
- (z) ‘maritime port’ means a maritime port as defined in Article 2(16) of Regulation (EU) 2017/352;
- (aa) ‘short-sea shipping’ means the movement of cargo and passengers by sea between ports situated in geographical waters of one or several Member States or between a port situated in waters of Member States and a port situated in waters of an adjacent third country having a coastline on the seas bordering waters of one or several Member States;

³¹ Regulation (EU) No 2019/1239 of the European Parliament and of the Council of 20 June 2019 establishing a European Maritime Single Window environment and repealing Directive 2010/65/EU (OJ L 198, 25.7.2019, p. 64).

³² Commission Regulation (EU) 2016/919 of 27 May 2016 on the technical specification for interoperability relating to the ‘control-command and signalling’ subsystems of the rail system in the European Union (OJ L 158, 15.6.2016, p. 1).

³³ Commission Regulation (EU) 2016/919 of 27 May 2016 on the technical specification for interoperability relating to the ‘control-command and signalling’ subsystems of the rail system in the European Union (OJ L 158, 15.6.2016, p.1).

- (ab) ‘electronic freight transport information’ (eFTI) means the electronic communication of regulatory information between economic operators and competent authorities in accordance with Regulation (EU) 2020/1056 of the European Parliament and of the Council³⁴;
- (ac) ‘Single European Sky’ (SES) means the systems established under Regulation (EC) No 549/2004³⁵, (EC) 550/2004³⁶, (EC) No 551/2004³⁷, and (EU) No 2018/1139³⁸ of the European Parliament and of the Council to reinforce air traffic safety standards, to contribute to the sustainable development of the air transport system and to improve the overall performance of air traffic management and air navigation services for general air traffic in Europe;
- (ad) ‘vertiport’ means an area used for the take-off and landing of vertical take-off and landing (VTOL) aircrafts;
- (ae) ‘aircraft contact stand’ means a stand in a designated area of the airport apron equipped with a passenger boarding bridge;

³⁴ Regulation (EU) No 2020/1056 of the European Parliament and of the Council of 15 July 2020 on electronic freight transport information (OJ L 249, 31.7.2020, p. 33).

³⁵ Regulation (EC) No 549/2004 of the European Parliament and of the Council of 10 March 2004 laying down the framework for the creation of the single European sky (OJ L 96, 31.3.2004, p. 1).

³⁶ Regulation (EC) No 550/2004 of the European Parliament and of the Council of 10 March 2004 on the provision of air navigation services in the single European sky (OJ L 96, 31.3.2004, p. 10).

³⁷ Regulation (EU) No 551/2004 of the European Parliament and of the Council of 10 March 2004 on the organisation and use of the airspace in the single European Union (OJ L 96, 31.3.2004, p. 20).

³⁸ Regulation (EU) 2018/1139 of the European Parliament and of the Council of 4 July 2018 on common rules in the field of civil aviation and establishing a European Union Aviation Safety Agency (OJ L 212, 22.8.2018, p. 1).

(af) ‘SESAR project’ means the project to modernise air traffic management in Europe, aimed at providing the Union with a high performance, standardised and interoperable air traffic management infrastructure, and consisting in an innovation cycle that includes the SESAR definition phase, the SESAR development phase and the SESAR deployment phase;

(af2) ‘spaceport’ means an installation for testing and launching space crafts;

(ag) ‘Europe’s Rail Project’ means a project of the Europe’s Rail Joint Undertaking, or its predecessor Shift2Rail;

(ah) ‘European ATM Master Plan’ means the plan endorsed by Council Decision 2009/320/EC³⁹, and as subsequently amended⁴⁰;

(ai) ‘rail freight governance’ means the governance bodies referred to in Article 8 of Regulation (EU) 913/2010;

(aj) ‘maintenance’ means works intended to maintain the condition and capability of existing infrastructure during its lifetime;

(ak) ‘socio-economic cost-benefit analysis’ means a quantified ex-ante evaluation, based on a recognised methodology, of the value of a project, taking into account all the relevant social, economic, health, climate-related and environmental benefits and costs. The analysis of climate-related and environmental costs and benefits shall be based on the environmental impact assessment carried out pursuant to Directive 2011/92/EU of the European Parliament and of the Council⁴¹;

(al) ‘alternative fuels’ means alternative fuels as defined in Article 2(3) of Regulation (EU) [...] [on the deployment of alternative fuels infrastructure];

³⁹ OJ L 95, 9.4.2009, p. 41

⁴⁰ Council Decision 2009/320/EC of 30 March 2009 endorsing the European Air Traffic Management Master Plan of the Single European Sky ATM Research (SESAR) project (OJ L 95, 9.4.2009, p. 41).

⁴¹ Directive 2011/92/EU of the European Parliament and of the Council of 13 December 2011 on the assessment of the effects of certain public and private projects on the environment (OJ L 26, 28.1.2012, p. 1).

- (am) ‘safe and secure parking area’ means a parking area accessible to drivers engaged in the carriage of goods or passengers, meeting the requirements of Article 8a (1) of Regulation (EC) No 561/2006 of the European Parliament and of the Council⁴² and which has been certified in accordance with Union standards and procedures, pursuant to Article 8a (2) of that Regulation;
- (an) ‘weigh in motion system’ means an automatic system set up on the road infrastructure with the objective to identify vehicles or vehicle combinations in circulation that are likely to have exceeded the relevant weight limits, in accordance with Directive 96/53/EC of the European Parliament and of the Council⁴³.
- (ao) ‘project authorising decision’ means the decision or a set of decisions, which may be of an administrative nature, taken simultaneously or successively by an authority or by authorities of a Member State, not including administrative and judicial appeal authorities, under a national legal system and administrative law that determine whether or not a project promoter is entitled to implement the project on the geographical area concerned on the core, extended core or comprehensive network, without prejudice to any decision taken in the context of an administrative or judicial appeal procedure.

Article 4

Objectives of the trans-European transport network

1. The overall objective of the development of the trans-European transport network is to establish one multimodal Union wide network of high quality.

⁴² Regulation (EC) No 561/2006 of the European Parliament and of the Council of 15 March 2006 on the harmonisation of certain social legislation relating to road transport (OJ L 102, 11.4.2006, p. 1).

⁴³ Council directive 96/53/EC of 25 July 1996 laying down for certain road vehicles circulating within the Community the maximum authorized dimensions in national and international traffic and the maximum authorized weights in international traffic (OJ L 235, 17.9.1996, p. 59).

2. The trans-European transport network shall strengthen the social, economic and territorial cohesion of the Union and contribute to the creation of a single European transport area which is sustainable, safe, efficient and resilient and which increases the benefits for its users and supports inclusive growth. It shall demonstrate European added value by contributing to the objectives laid down in the following four categories:

(a) sustainability through:

- (i) promotion of zero and low emission mobility in line with the relevant Union CO₂ reduction targets;
- (ii) enabling greater use of more sustainable modes of transport, in particular by further developing a long-distance rail passenger network, including at high speed, and an interoperable rail freight network, a reliable inland waterway and short-sea shipping network across the Union and also by promoting active modes of transport;
- (iii) increased environmental protection;
- (iv) reduction of negative externalities including those related to environment, health, congestion and accidents;
- (v) greater energy security;

(b) cohesion through:

- (i) accessibility and connectivity of all regions of the Union, including outermost regions and other remote, insular, peripheral and mountainous regions as well as sparsely populated areas;
- (ii) reduction of infrastructure quality gaps between regions and Member States;

- (iii) for both passenger and freight traffic, efficient coordination and interconnection between transport infrastructure for, on the one hand, long-distance traffic and, on the other, regional and local traffic and transport services in urban nodes;
 - (iv) a transport infrastructure that reflects the specific situations in different parts of the Union and provides for a balanced coverage of all European regions;
- (c) efficiency through:
- (i) the removal of infrastructure bottlenecks and the bridging of missing links, both within the transport infrastructures and at connecting points between them, within Member States' territories and between them;
 - (ii) the removal of interoperability bottlenecks, including gaps in digitalisation;
 - (iii) the interoperability of national, regional and local transport networks;
 - (iv) optimal integration and interconnection of all transport modes, including in urban nodes;
 - (v) the promotion of economically efficient, high-quality transport contributing to further economic growth and competitiveness;
 - (vi) more efficient use of new and existing infrastructure in operation;
 - (vii) cost-efficient application of innovative technological and operational concepts;
- (d) increasing the benefits for its users through:
- (i) ensuring the accessibility for users and meeting their mobility and transport needs, taking into account in particular the needs of people in situations of vulnerability, including persons with disabilities or reduced mobility and people living in remote regions, including the outermost regions and islands;

- (ii) ensuring safe, secure and high-quality standards, including quality of services to the users, for both passenger and freight transport;
- (iii) supporting the quality, efficiency and sustainability of transport services which are accessible and affordable;
- (iv) supporting mobility that is fit for the changing climate and resilient to natural hazards and human-made disasters, and facilitates efficient and fast deployment of emergency and rescue services, including for persons with disabilities or reduced mobility;
- (v) ensuring the resilience of infrastructure, in particular on cross-border sections;
- (vi) offering alternative transport solutions, including on other modes, in case of network disturbances.
- (vii) supporting active modes of mobility by enhancing accessibility and quality of related infrastructure, thereby improving safety and health for active users of infrastructure and fostering the environmental benefits of those modes;

Article 5

Resource-efficient network and environmental protection

1. The trans-European transport network shall be planned, developed and operated in a resource-efficient way, and in accordance with the applicable Union and national environmental requirements, through:
 - (a) the development of new infrastructure, the improvement and maintenance of existing transport infrastructure, notably by including maintenance over the life-time of the infrastructure in the planning phase of construction or improvement of the infrastructure and by keeping the infrastructure operational;

- (b) the optimisation of infrastructure integration and interconnection;
- (c) the deployment of alternative fuels recharging and refuelling infrastructure;
- (d) the deployment of new technologies and ICT systems for transport to preserve or improve the infrastructure performance, where such deployment is economically justified or required to improve safety and security;
- (e) the optimisation of infrastructure use, in particular through efficient capacity and traffic management and the shift towards more sustainable mobility patterns, including the development of sustainable, attractive and efficient multimodal transport services;
- (f) the taking into account of possible synergies with other networks, in particular the trans-European energy or telecommunication networks or the dual-use network identified in the Military Requirements for Military Mobility within and beyond the EU;
- (g) the development of green, sustainable and climate resilient infrastructure designed to reduce as much as possible the negative impact on the health of citizens living around the network, the environment and degradation of ecosystems;
- (h) the adequate consideration of the resilience of the transport network and its infrastructure, especially at cross-border sections, with regard to a changing climate as well as natural hazards and human-made disasters, as well as disruptions, intentional or not, including for traffic, with a view to addressing those challenges;
- (i) Deleted.

2. In planning and developing the trans-European transport network, Member States may adapt the detailed route alignment of sections taking into account the particular circumstances in the various parts of the Union, such as topographical features of the regions concerned and environmental considerations while ensuring compliance with this Regulation. Such adaptation shall not go beyond what is allowed by the relevant project authorising decision .

3. The environmental assessment of plans and projects shall be carried out in accordance with Council Directive 92/43/EEC⁴⁴, Directives 2000/60/EC⁴⁵, 2001/42/EC⁴⁶, 2002/49/EC⁴⁷, 2009/147/EC⁴⁸ and 2011/92/EU of the European Parliament and of the Council⁴⁹. For the projects of common interest for which the procurement process for an environmental assessment has not yet been initiated at the date of entry into force of this Regulation, the compliance with the “do no significant harm” principle should also be assessed.

Article 6

Gradual development of the trans-European transport network

1. Without prejudice to Article 8, paragraph 4a, the trans-European transport network shall be gradually developed in three steps: the completion of a core network by 31 December 2030, of an extended core network by 31 December 2040 and the comprehensive network by 31 December 2050, unless otherwise specified in this Regulation. This shall be achieved, in particular, by implementing a structure for that network with a coherent and transparent methodological approach, comprising a comprehensive network and a core and extended core network, with transport and urban nodes as multimodal connecting points between long distance traffic and the regional and local transport networks.

⁴⁴ Council Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora (OJ L 206, 22.7.1992, p. 7).

⁴⁵ Directive 2000/60/EC of the European Parliament and of the Council of 23 October 2000 establishing a framework for Community action in the field of water policy (OJ L 327, 22.12.2000, p. 1).

⁴⁶ Directive 2001/42/EC of the European Parliament and of the Council of 27 June 2001 on the assessment of the effects of certain plans and programmes on the environment (OJ L 197, 21.7.2001, p. 30).

⁴⁷ Directive 2002/49/EC of the European Parliament and of the Council of 25 June 2002 relating to the assessment and management of environmental noise (OJ L 189 18.7.2002, p. 12).

⁴⁸ Directive 2009/147/EC of the European Parliament and of the Council of 30 November 2009 on the conservation of wild birds (OJ L 20, 26.1.2010, O. 7).

⁴⁹ Directive 2011/92/EU of the European Parliament and of the Council of 13 December 2011 on the assessment of the effects of certain public and private projects on the environment (OJ L 26, 28.1.2012, p. 1).

2. The comprehensive network shall consist of all existing and planned transport infrastructures of the trans-European transport network as well as measures promoting the efficient and socially and environmentally sustainable use of such infrastructure.
3. The core and extended core network shall consist of those parts of the trans-European transport network which shall be developed as a matter of priority for achieving the objectives for the development of the trans-European transport network.

Article 7

European Transport Corridors

The European Transport Corridors shall consist of the parts of the core or extended core network which are of the highest strategic importance for the development of sustainable and multimodal freight and passenger transport flows in Europe and for the development of interoperable high quality infrastructure and operational performance.

Article 8

Projects of common interest

1. Projects of common interest shall contribute to the development of the trans-European transport network through the creation of new transport infrastructure, through the upgrading of the existing transport infrastructure or through measures promoting the resource-efficient use of the network.
2. A project of common interest shall:
 - (a) demonstrate European added value by contributing to the objectives falling within at least two of the four categories set out in Article 4; and

- (b) be economically viable on the basis of a socio-economic cost-benefit analysis or, in case of sparsely populated areas, have a positive contribution to the development of the network on the basis of a socio-economic cost-benefit analysis.
 - (c) Deleted.
- 3. A project of common interest encompasses its entire cycle, including feasibility studies and permission procedures, construction, operation and evaluation.
- 4. Member States shall take all necessary measures to ensure that the projects are carried out in compliance with relevant Union and national law, in particular with Union legal acts on the environment, climate protection, safety, security, competition, state aid, public procurement, public health and accessibility as well as legislation on non-discrimination.
 - 4a. The implementation of projects of common interest depends on their degree of maturity, the compliance with Union and national legal procedures, and the availability of financial resources, without prejudging the financial commitment of a Member State or of the Union.
- 5. The Commission may recommend Member States to establish single entities for the coordination, construction and/or management of cross-border infrastructure projects of common interest, especially for large-scale and complex ones. The relevant European Coordinator shall have the status of observer in the supervisory board or a similar steering body of that single entity.

Article 9

Cooperation with third countries

- 1. The Union may cooperate with third countries in order to connect the trans-European transport network with their infrastructure networks through the projects of common interests, where relevant with a view to enhancing sustainable economic growth and competitiveness and in particular to:

- (a) promote the extension into third countries of the trans-European transport network policy together with other related Union policies, in particular in the fields of environment and climate protection;
- (b) ensure the connection between the trans-European transport network and the transport networks of the third countries at border crossing points, including on the territory of the third country in order to guarantee seamless traffic flows, border checks, border surveillance and other border control procedures;
- (ba) ensure on the territory of the third country the connection between the trans-European transport network and the transport networks of the third countries;
- (c) complete the transport infrastructure in third countries which serve as links between parts of the trans-European transport network in the Union;
- (d) promote the interoperability between the trans-European transport network and networks of third countries;
- (e) facilitate maritime transport and promote short-sea shipping routes with third countries provided they do not contribute to carbon leakage;
- (f) facilitate inland waterway transport with third countries;
- (g) facilitate air transport with third countries, in order to promote efficient and sustainable economic growth and competitiveness, including the extension of the Single European Sky and improved air traffic management cooperation;
- (h) connect and implement ICT systems for transport in those countries;
- (i) promote decarbonisation of transport, in particular through deployment of alternative fuels infrastructure in third countries in view of establishing a continuous network linked with the trans-European transport network.

2. Annex IV sets out indicative maps of the trans-European transport network extended to specific neighbouring countries, specifying where applicable a core and comprehensive network according to the criteria of this Regulation.
3. This article shall not prejudice any kind of financial contribution of the Union to projects in third countries under other EU legal acts.

CHAPTER II

GENERAL PROVISIONS

Article 10

General provisions for the core network, the extended core network and the comprehensive network

1. The core network, the extended core network and the comprehensive network shall:
 - (a) be as specified in the maps in Annex I and in the lists in Annex II;
 - (b) be further specified through the description of the infrastructure components;
 - (c) meet the requirements for the transport infrastructures set out in this Chapter and Chapters III and IV;
 - (d) constitute the basis for the identification of projects of common interest.

2. The core network and extended core network shall consist of those parts of the comprehensive network which shall be developed as a matter of priority for achieving the objectives of the trans-European transport network policy. References to ‘core network’ in Regulation (EU) 2021/1153 shall be construed as including ‘extended core network’ as defined in this Regulation. References to ‘core network’ in Regulation (EU) [...] [on the deployment of alternative fuels infrastructure] shall be construed as references to ‘core network’ as defined in this Regulation. References to ‘comprehensive network’ in Regulation (EU) [...] [on the deployment of alternative fuels infrastructure] shall be construed as references to ‘extended core network’ and ‘comprehensive network’ as defined in this Regulation.

3. The nodes of the network are set out in Annex II and include urban nodes and transport nodes (airports, maritime ports, inland ports, rail road terminals and terminals along inland waterways).
4. Member States shall take the appropriate measures for the core network, the extended core network and the comprehensive network to be developed in order to comply with the relevant provisions of this Regulation by the dates specified in Article 6(1), unless specified otherwise in this Regulation.

Article 11

General provisions for the European Transport Corridors

1. The nine European Transport Corridors, namely :
 - i. Atlantic;
 - ii. Baltic Sea – Black Sea – Aegean Sea;
 - iii. Baltic Sea – Adriatic Sea;
 - iv. Mediterranean;
 - v. North Sea – Rhine – Mediterranean;
 - vi. North Sea – Baltic;
 - vii. Rhine – Danube;
 - viii. Scandinavian – Mediterranean;
 - ix. Western Balkans – Eastern Mediterranean,

are specified in the maps in Annex III.

2. Member States shall take the appropriate measures for the European Transport Corridors to be developed in order to comply with the provisions of this Regulation, by 31 December 2030 for their infrastructure which is part of the core network, and by 31 December 2040 for their infrastructure which is part of the extended core network, unless specified otherwise in this Regulation.
3. Subject to Article 172(2) TFEU, the Commission is empowered to adopt delegated acts in accordance with Article 60 of this Regulation to amend within the limits of Article 7 the alignment of the European Transport Corridors in Annex III to this Regulation, in order to take into account the development of major trade flows and traffic or substantial changes to the network. With respect to amendments to alignments of corridors affecting the parts in the territory of neighbouring countries, such delegated acts shall be based on high-level agreements on transport infrastructure networks between the Union and the neighbouring countries concerned.

Article 12

General priorities for the core, the extended core and the comprehensive network

1. In the development of the core, the extended core and the comprehensive network, general priority shall be given to measures that are necessary for:
 - (a) increasing the share of more sustainable modes of transport for freight and passengers, in particular in view of a reduction of GHG emissions and pollution and of an increase of social and economic benefits from transport;
 - (b) ensuring enhanced accessibility and connectivity for all regions of the Union while taking into consideration territorial and social cohesion as well as the specific case of the outermost regions and other remote, insular, peripheral and mountainous regions as well as sparsely populated areas;
 - (c) ensuring optimal integration of the transport modes and interoperability between transport modes, including active modes of mobility in urban areas;

- (d) bridging missing links and removing bottlenecks, particularly in terms of interoperability and for cross-border sections;
- (e) deploying the necessary infrastructure which ensures a seamless circulation of zero and low emission vehicles, vessels and aircrafts;
- (f) promoting the efficient and sustainable use of the infrastructure and, where necessary, increasing capacity;
- (g) keeping existing infrastructure operational and improving or maintaining its quality in terms of safety, security, efficiency of the transport system and transport operations, climate and disaster resilience, environmental performance, and the continuity of traffic flows;
- (h) improving the quality of services and social conditions for transport workers, accessibility for all users, including persons with disabilities or reduced mobility and other people in situations of vulnerability;
- (i) improving digitalisation and developing automation, in particular through the implementation and deployment of ICT systems for transport.

2. In order to complement the measures set out in paragraph 1, particular consideration shall be given to measures that are necessary for:

- (a) contributing to mitigating exposure of urban areas to negative effects of transiting rail and road transport; and
- (b) Moved to (a)
- (c) Deleted; ⁵⁰

⁵⁰ This paragraph which deals with the removal of bottlenecks, in particular for interoperability, has been merged with paragraph 1(d).

- (d) optimising the use of infrastructure, in particular through efficient capacity management, traffic management and increased operational performance.
- (e) contributing to positive health and environmental effects by promoting the use of active modes of mobility through the development of corresponding infrastructure for cycling and walking.

Article 13

General priorities for the European Transport Corridors

In the development of the European Transport Corridors, general priority shall be given to measures that are necessary for:

- (a) the development of a high performance and fully interoperable rail freight network across the Union;
- (b) the development of an interoperable high performance rail passenger network, including at high speed, connecting urban nodes across the Union;
- (c) the development of an efficient aviation and inland waterways transport infrastructure and of a maritime transport infrastructure well integrated within the European Maritime Space;
- (d) the development of a safe and secure road network, with sufficient alternative fuel infrastructures;
- (e) the development of improved multimodal and interoperable transport solutions;

- (f) the promotion of intermodal integration of the entire logistic chain, interconnecting efficiently in the transport and urban nodes;
- (g) the deployment of the necessary infrastructure which ensures a seamless circulation of zero and low emission vehicles, vessels and aircrafts.

CHAPTER III

SPECIFIC PROVISIONS

SECTION 1

RAILWAY TRANSPORT INFRASTRUCTURE

Article 14

Infrastructure components

1. Railway transport infrastructure shall comprise, in particular:
 - (a) railway lines, including:
 - (i) tracks;
 - (ii) points;
 - (iii) level crossings;
 - (iv) sidings;
 - (v) tunnels;
 - (vi) bridges;
 - (vii) infrastructure mitigating impact on environment;
 - (b) stations along the lines indicated in Annex I for the transfer of passengers within the rail mode and between rail and other transport modes;
 - (c) rail service facilities along the lines indicated in Annex I other than passenger stations as defined in Article 3(11) of Directive 2012/34/EU of the European Parliament and of the Council⁵¹, in particular marshalling yards, train formation facilities, shunting facilities, storage sidings, maintenance facilities, other technical facilities like cleaning and washing facilities, relief facilities and refuelling facilities; it also includes automatic gauge-changing facilities for rail;

⁵¹ Directive 2012/34/EU of the European Parliament and of the Council of 21 November 2012 establishing a single European railway area (OJ L 343 14.12.2012, p. 32).

- (d) the rail access routes connections up to multimodal freight terminals connected by rail, including the rail access routes up to multimodal freight terminals in inland and maritime ports and airports, and the rail access routes up to marshalling yards as defined by the Annex II, point 2(c) of Directive 2012/34/EU;
 - (e) trackside control-command signalling;
 - (f) trackside energy infrastructure;
 - (g) associated equipment;
 - (h) ICT systems for transport.
2. The technical equipment associated with railway lines may include electrification systems, equipment for the boarding and alighting of passengers and the loading and unloading of cargo in stations and terminals, as well as innovative technologies in their deployment phase.

Article 15

Transport infrastructure requirements for the comprehensive network

1. Member States shall ensure that the railway infrastructure of the comprehensive network:
- (a) complies with Directive (EU) 2016/797 of the European Parliament and of the Council⁵² and its implementing measures in order to achieve the interoperability of the comprehensive network;
 - (b) complies with the requirements of the technical specifications for interoperability (TSIs) adopted pursuant to Articles 4 and 5 of Directive (EU) 2016/797 without prejudice to the exemptions provided for in Article 7(1) of that Directive;
 - (c) deleted.

⁵² Directive (EU) 2016/797 of the European Parliament and of the Council of 11 May 2016 on the interoperability of the rail system within the European Union (OJ L 138, 26.5.2016, p. 44).

2. Member States shall ensure that, by 31 December 2050, the railway infrastructure of the comprehensive network, except connections referred to in Article 14(1), point (d),
- (a) is fully electrified as regards line tracks and, to the extent necessary for electric train operations, as regards sidings;
 - (b) deleted.
 - (c) enables, without special permission, an axle load of at least 22.5 tons;
 - (d) enables, without special permission, the operation of freight trains with a train length of at least 740 m (including the locomotive(s)). This requirement is met if, on double track lines, at least one train path per hour and direction on average on a daily basis, **can be** ~~is~~ allocated to freight trains with a length of at least 740 m if requested by a railway undertaking.
 - (e) deleted.

The requirements set out in points (c) and (d) shall apply only on those lines of the comprehensive network which:

- connect a multimodal freight terminal or a maritime or an inland port with its closest crossing point with core or extended core freight network, or
- constitute a re-routing line of a line that is part of the core or extended core network for freight transport, or
- operate more than ten freight trains per day on average in both directions based on the data for the previous year prior to the notification.

Member States shall, at the latest three years after the entry into force of this Regulation, notify the Commission of the lines concerned. For cross-border sections, such notification shall be made in agreement with the other Member States concerned.

- 2a. Member States shall ensure that, by 31 December 2050, the railway infrastructure of the comprehensive network on the connections referred to in Article 14(1), point (d) and which is connected to railway lines used for freight transport as defined in Article 15(2) meets the requirements set out in paragraph 2, points (c) and (d), unless, with respect to the requirements set out in paragraph 2, point (d), an exemption from the application of Article 37 (3) has been granted by the Commission pursuant to Article 37(5).
3. The requirements set out in paragraph 2, and paragraph 2a do not apply to isolated networks.
- (b) deleted.
4. Without prejudice to paragraph 3, upon request of a Member State, in duly justified cases, exemptions shall be granted by the Commission by means of implementing acts in respect of requirements referred to in this Article on the ground of specific geographical or significant physical constraints, negative result of socio-economic cost-benefit analysis or potential negative impacts on environment or biodiversity. Any such request shall be substantiated with sufficient justification. The request for exemptions shall be coordinated with the neighbouring Member State(s) in case of cross-border sections. The neighbouring Member State(s) may provide an opinion to the Member State requesting the exemption. The Member State shall attach the opinion(s) of the neighbouring Member State(s) to its request. A Member State may request the granting of several exemptions in a single request.

The Commission shall assess the request in view of the justification provided as well as in terms of its significant impact on interoperability and continuity of the railway network where relevant. The Commission shall take duly into account the opinion(s) of the neighbouring Member State(s) concerned.

The Commission may ask additional information to the Member State no later than thirty calendar days following the receipt of request pursuant to the first subparagraph. If the Commission considers that the information provided is insufficient, it may ask the Member State to supplement that information within thirty calendar days from the receipt of that information.

The Commission shall take a decision on the requested exemption no later than 6 months following the receipt of the request pursuant to in the first subparagraph or, in case further information has been provided by the Member States concerned pursuant to the third subparagraph, no later than 4 months following the latest receipt of such information, whichever is the latest date. In the absence of an explicit decision by the Commission within such time-limits, the exemption shall be deemed to be granted.

The Commission shall inform other Member States of the exemptions granted pursuant to this Article.

Article 16

Transport infrastructure requirements for the core network and the extended core network

1. Member States shall ensure that the railway infrastructure of the core network and the extended core network complies with Article 15(1).
2. Member States shall ensure that, by 31 December 2040, the railway infrastructure of the extended core network, except connections referred to in Article 14(1), point (d) for lines that are part of the network for freight transport:
 - (a) meets the requirements set out in Article 15(2), points (a) and (c);
 - (b) enables, without special permission, the operation of freight trains with a train length of at least 740 m (including the locomotive(s)). This requirement is met if at least the following conditions are complied with:
 - (i) on double track lines, at least one train path per two hours and direction and not less than 24 train paths on daily basis, **can be** ~~is~~ allocated to freight trains with a length of at least 740 m if requested by a railway undertaking;

- (ii) on single track lines, at least one train path per three hours and direction and not less than 12 train paths on daily basis, **can be** is allocated to freight trains with a length of at least 740 m if requested by a railway undertaking;
 - (c) for rail sections linking the multimodal freight terminals of two urban nodes or the multimodal freight terminal of an urban node and a border crossing point, over 75% of the length of each rail section, is designed for a speed of at least 100 km/h for freight trains on the freight lines of the extended core network.
- 2a. Member States shall ensure that, by 31 December 2040, the railway infrastructure of the extended core network, except connections referred to in Article 14(1), point (d) for lines that are part of the network for passenger transport:
 - (a) meets the requirements set out in Article 15(2), point (a) on the passenger lines of the extended core network;
 - (b) for rail sections linking the multimodal passenger hubs of two urban nodes or the multimodal passenger hubs of an urban node and a border crossing point, over 75 % of the length of each rail section is designed for a speed of at least 160 km/h for passenger trains on the passenger lines of the extended core network.
- 2b. Member States shall ensure that, by 31 December 2040, the railway infrastructure of the extended core network on the connections referred to in Article 14(1), point (d) meets the requirements set out in Article 15(2), point (c) and in Article 16(2), point (b), unless, with respect to the requirements set out in Article 16(2), point (b), an exemption from the application of Article 37 (3) has been granted by the Commission pursuant to Article 37(5).
- 3. Member States shall ensure that, by 31 December 2030, the railway infrastructure of the core network, except connections referred to in Article 14(1), point (d):
 - (a) for lines that are part of the network for freight transport: meets the requirements set out in Article 16(2), points (a), (b) and (c);
 - (b) for the lines that are part of the network for passenger transport: meets the requirements set out in Article 15(2), points (a).

- 3a. Member States shall ensure that, by 31 December 2040, the railway infrastructure that is part of the core network for passenger transport, except connections referred to in Article 14(1), point (d) meets the requirement set out in Article 16(2a), point (b).
- 3ab. Member States shall ensure that, by 31 December 2040, lines for freight transport that are part of the railway infrastructure of the core or extended network, including connections referred to in Article 14(1), point (d), allow for the circulation of freight trains carrying standard semi-trailers up to 4 meters high on wagons of a height of at least 27 centimetres on the European Transport Corridors on their territories.

This requirement shall be deemed to be met if at least the following conditions are complied with on each European Transport Corridor on the territory of the Member State:

- there is at least one direct line meeting that requirement enabling uninterrupted operation of trains in the territory of a Member State as well as on cross-border lines with each neighbouring Member State;
- there is at least one direct line meeting that requirement to at least one rail-road terminal or one multimodal freight terminal located in or adjacent to a maritime port which is part of the European Transport Corridor on the territory of a Member State;
- if one or more end points of a corridor are located on the territory of a Member State, there is at least one direct line meeting that requirement to at least one of these end points.

For cross-border sections, the determination of the lines concerned shall be made in agreement with the neighbouring Member State(s) concerned.

Member States shall, at the latest three years after the entry into force of this Regulation, notify the Commission of the lines concerned.

- 3b. Member States shall ensure that, by 31 December 2030, the railway infrastructure of the core network on the connections referred to in Article 14(1), point (d) meets the requirements set out in Article 15(2), point (c) and in Article 16(2), point (b) unless, with respect to the requirements set out in Article 16(2), point (b), an exemption from the application of Article 37 (3) has been granted by the Commission pursuant to Article 37(5).
4. The requirements set out in paragraphs 2 to 3b do not apply to isolated networks.
5. Without prejudice to paragraph 4, upon at the request of a Member State, in duly justified cases, exemptions shall be granted by the Commission by means of implementing acts in respect of requirements referred to in this article on the ground of specific geographical or significant physical constraints, negative result of socio-economic cost-benefit analysis or potential negative impacts on environment or biodiversity. Any such request shall be substantiated with sufficient justification. The request for exemptions shall be coordinated with the neighbouring Member State(s) in case of cross-border sections. The neighbouring Member State(s) may provide an opinion to the Member State requesting the exemption. The Member State shall attach the opinion(s) of the neighbouring Member State(s) to its request. A Member State may request the granting of several exemptions in a single request.

The Commission shall assess the request in view of the justification provided as well as in terms of its significant impact on interoperability and continuity of the railway network, where relevant. The Commission shall take duly into account the opinion(s) of the neighbouring Member State(s) concerned.

When assessing requests for exemptions from the requirement related to carriage of the semi-trailers set out in paragraph 3ab of this Article, the Commission shall take particularly into consideration the results of the socio-economic cost-benefit analysis as well as the potential disruption of the services caused by the necessary works needed to meet that requirement.

When assessing requests for the exemptions from the requirements laid down in this Article for the extended core network, the Commission shall take particularly into consideration any major investment undertaken by the Member State concerned on a parallel line in close proximity to the ones to be newly constructed.

The Commission may ask additional information to the Member State no later than thirty calendar days following the receipt of request pursuant to the first subparagraph. If the Commission considers that the information provided is insufficient, it may ask the Member State to supplement that information within thirty calendar days from the receipt of that information.

The Commission shall take a decision on the requested exemption no later than 6 months following the receipt of the request pursuant to in the first subparagraph or, in case further information has been provided by the Member States concerned pursuant to the third subparagraph, no later than 4 months following the latest receipt of such information, whichever is the latest date. In the absence of an explicit decision by the Commission within such time-limits, the exemption shall be deemed to be granted.

The Commission shall inform other Member States of the exemptions granted pursuant to this Article.

Article 16a

European standard nominal track gauge for rail

1. Member States shall ensure that any new railway line of the extended core network and the core network, including connections referred to in Article 14(1), point (d), provides for the European standard nominal track gauge of 1 435 mm. That requirement is considered to be met when 1 435 mm track gauge trains can circulate on the infrastructure at the latest by 2030 for the core network and by 2040 for the extended core network. For the purposes of this Article new railway line means any line for which construction works have not started on the date of entry into force of this Regulation.

2. By derogation to paragraph 1, the Member States on the territory of which, at the date of entry into force of this Regulation, no new railway line is planned to be connected to the land border of another Member State according to Annex I of this Regulation, shall draw up a plan identifying the new railway line to be built according to the European standard nominal track gauge of 1 435 mm. This plan shall take account of the impact on interoperability with the neighbouring Member State(s), by taking account of, notably, the possible migration of existing railway lines according to paragraph 3. The plan shall include a socio-economic cost-benefit analysis justifying the decision of the Member State, where relevant, not to build new railway infrastructure to the European standard nominal track gauge of 1 435 mm and an assessment of the impact on interoperability. This plan shall be submitted to the Commission at the latest two years after the date of entry into force of this Regulation.
3. Member States with an existing rail network, or a part thereof, with a track gauge different from that of the European standard nominal track gauge of 1 435 mm shall carry out an assessment, at the latest two years after the date of entry into force of this Regulation, identifying the existing railway lines located on the European Transport Corridors in view of their possible migration to the European standard nominal track gauge of 1 435 mm. The assessment shall be coordinated with the neighbouring Member State(s), in case of cross-border sections. The assessment shall include a socio-economic cost-benefit analysis on the viability of the possible migration and an assessment of the impact on interoperability.

Based on the assessment under the first subparagraph, the Member States shall draw up a migration plan where relevant, at the latest one year following the completion of the assessment, identifying the existing railway lines located on the European Transport Corridors to be migrated to the European standard nominal track gauge of 1 435 mm and provide for an indication of the timeline of the migration.

Sub-paragraphs 1 and 2 shall apply *mutatis mutandis* to the railway lines for which construction works have started on the date of entry into force of this Regulation.

4. The priorities for infrastructure and investment planning resulting from the plans referred to in paragraphs 2 and 3 shall be included in the first work plan of the European Coordinator for a European Transport Corridor of which the freight railway lines with a track gauge different from that of the European standard nominal track gauge is part, in accordance with Article 53.
5. Upon the request of a Member State, in duly justified cases, a temporary exemption from the requirements referred to in paragraph 1 shall be granted by the Commission by means of implementing acts for new railway lines of the core and extended core network, or for part thereof, on the ground of negative results of socio-economic cost-benefit analysis. Any request for exemption shall be based on sufficient justification. In the case of cross-border sections, the requests for exemption shall be coordinated with the neighbouring Member State. The neighbouring Member State may provide an opinion to the Member State requesting the exemption. The Member State shall attach the opinion(s) of the neighbouring Member State(s) to its request. A Member State may request the granting of several exemptions in a single request.

The Commission shall assess the request in view of the justification provided as well as in terms of its significant impact on interoperability and continuity of the railway network, where relevant. The Commission shall take duly into account the opinion(s) of the neighbouring Member State(s) concerned.

The Commission may ask additional information to the Member State no later than thirty calendar days following the receipt of request pursuant to the -first- subparagraph. If the Commission considers that the information provided is insufficient, it may ask the Member State to supplement that information within thirty calendar days from the receipt of that information.

The Commission shall take a decision on the requested exemption no later than 6 months following the receipt of the request pursuant to in the second subparagraph or, in case further information has been provided by the Member States concerned pursuant to the third subparagraph, no later than 4 months following the latest receipt of such information, whichever is the latest date. The decision shall indicate the period for which the exemption is granted.

The Commission shall inform other Member States of the exemptions granted pursuant to the fourth subparagraph.

Article 17

The European Rail Traffic Management System

1. Member States shall ensure that:

- ERTMS is equipped on the railway infrastructure of the extended core network by 31 December 2040 and the comprehensive network by 31 December 2050, except connections referred to in Article 14(1), point (d), while ensuring a synchronised and harmonised ERTMS deployment trackside and on board of trains;
- ERTMS is deployed on connections referred to in Article 14(1), point (d), of the extended core by 31 December 2040 and the comprehensive network by 31 December 2050 where such equipment is deemed necessary by the Member State concerned in coordination with the relevant stakeholders, in particular the infrastructure manager.

(a) deleted.

- (b) deleted.
2. Member States shall ensure that by 31 December 2030:
- the railway infrastructure of the core network except connections referred to in Article 14(1), point (d), meets the requirements of paragraph 1.
 - ERTMS is deployed on connections referred to in Article 14(1), point (d), of the core network where such equipment is deemed necessary by the Member State concerned in coordination with the relevant stakeholders, in particular the infrastructure manager.
- 2a. Member State shall aim, where appropriate, at decommissioning of class B systems by 31 December 2050.
3. deleted.
4. Member States shall ensure that the railway infrastructure of the core network, the extended core network and the comprehensive network is equipped with radio-based ERTMS by 31 December 2050.
5. Member States shall ensure that on the railway infrastructure of the core network, the extended core network and the comprehensive network as of 31 December 2030, in case of construction of a new line, radio-based ERTMS is being deployed.
- 5a. Member States shall ensure that radio-based ERTMS is deployed by 31 December 2050 on connections referred to in Article 14(1), point (d), of the core network, the extended core network and the comprehensive network, where such equipment is deemed necessary by the Member State concerned in coordination with the relevant stakeholders, in particular the infrastructure manager. In case of construction of a new line, such deployment shall be ensured as of 31 December 2030.
- 5b. The requirements set out in paragraphs 1 to 5a do not apply to isolated networks.

6. Without prejudice to paragraph 5b, upon request of a Member State, in duly justified cases, exemptions shall be granted by the Commission by means of implementing acts in respect of requirements referred to in paragraphs 1 to 5a. Any request for exemption shall be based on negative result of socio-economic cost-benefit analysis and an assessment of the impact on interoperability. Any such request shall be substantiated with sufficient justification. The request for exemptions shall be coordinated with the neighbouring Member State(s) in case of cross-border sections. The neighbouring Member State(s) may provide an opinion to the Member State requesting the exemption. The Member State shall attach the opinion(s) of the neighbouring Member State(s) to its request. A Member State may request the granting of several exemptions in a single request. Requested exemptions shall comply with the requirements of Directive (EU) 2016/797 of the European Parliament and of the Council⁵³.

The Commission shall assess the request in view of the justification provided under the first subparagraph as well as in terms of its significant impact on interoperability.-The Commission shall take duly into account the opinion(s) of the neighbouring Member State(s) concerned.

The Commission may ask additional information to the Member State no later than thirty calendar days following the receipt of request pursuant to the first subparagraph. If the Commission considers that the information provided is insufficient, it may ask the Member State to supplement that information within thirty calendar days from the receipt of that information.

The Commission shall take a decision on the requested exemption no later than 6 months following the receipt of the request pursuant to in the first subparagraph or, in case further information has been provided by the Member States concerned pursuant to the third subparagraph, no later than 4 months following the latest receipt of such information, whichever is the latest date. In the absence of an explicit decision by the Commission within such time-limits, the exemption shall be deemed to be granted.

⁵³ Directive (EU) 2016/797 of the European Parliament and of the Council of 11 May 2016 on the interoperability of the rail system within the European Union (OJ L 138, 26.5.2016, p. 44).

The Commission shall inform other Member States of the exemptions granted pursuant to this Article.

Article 18

[Moved to Art. 65]

Article 19

Additional priorities for railway infrastructure development

In the promotion of projects of common interest related to railway infrastructure, and in addition to the general priorities set out in Articles 12 and 13, attention shall be given to the following:

- (a) migrating to the European standard nominal track gauge (1 435 mm), where relevant;
- (b) mitigating the impact of noise and vibration caused by rail transport, in particular through measures for rolling stock and for infrastructure, including noise protection barriers;
- (c) improving the safety of level crossings;
- (d) where appropriate, connecting railway transport infrastructure with inland waterway port infrastructure;
- (e) subject to socio-economic costs and benefits analysis, developing of infrastructure for train length above 740 m and up to 1500 m and 25.0 t axle load when constructing and modernising railway lines relevant for freight traffic;
- (f) developing and deploying innovative technologies for railways, building in particular on the work of the Shift2Rail and Europe's Rail Joint Undertakings, notably automatic train operation, advanced traffic management, and digital connectivity for passengers based on ERTMS and digital automatic couplings as well as 5G connectivity;

- (g) when building or upgrading railway infrastructure, ensure the continuity and accessibility of pedestrian and cycling paths, and develop bicycle parking in the vicinity of the stations in order to promote the active modes of transport;
- (h) developing innovative alternative fuels technologies for railways, such as hydrogen for sections that are exempted from the electrification requirement and rail access routes.
- (i) for the development of the trans-European transport network, providing a standard of ensuring the circulation of freight trains carrying standard semi-trailers up to 4 meters high on standard wagons of a height of 33 centimetres, without any additional requirement for special permission to operate services.

SECTION 2

INLAND WATERWAYS TRANSPORT INFRASTRUCTURE

Article 20

Infrastructure components

1. Inland waterways infrastructure shall comprise, in particular:
 - (a) rivers;
 - (b) canals;
 - (c) lakes and lagoons;
 - (d) related infrastructure such as locks, elevators, bridges, reservoirs and associated flood and drought prevention and mitigation measures which may bring positive effects to inland waterway navigation;

- (e) access waterways and last mile connections to multimodal freight terminals connected by inland waterways, in particular in inland and maritime ports;
- (f) mooring and rest places;
- (g) inland ports, including basic port infrastructure in the form of internal basins, quay walls, berths, jetties, docks, dykes, backfills, platforms, land reclamation and the infrastructure necessary for transport operations within the port area and outside the port area;
- (h) associated equipment referred to in paragraph 2;
- (i) ICT systems for transport, including RIS;
- (j) the connections of the inland ports to the other modes in the trans-European transport network;
- (k) infrastructure related to facilities for alternative fuels;
- (l) infrastructure necessary for zero waste operations and circular economy measures.

2. Equipment associated with inland waterways may include equipment for the loading and unloading of cargos and storage of goods in inland ports. Associated equipment may include, in particular, propulsion and operating systems which reduce pollution, such as water and air pollution, energy consumption and carbon intensity. It may also include waste reception facilities, shore-side electricity power supply and other alternative fuels infrastructure for supply and generation, as well as equipment for ice-breaking, hydrological services and dredging of the fairway, port and port approaches to ensure year-round navigability.
3. In order to be part of the comprehensive network, an inland port shall meet the following conditions:

- (a) it has an annual freight transshipment volume exceeding 500,000 tonnes. The total annual freight transshipment volume shall be based on the latest available three-year average, based on the statistics published by Eurostat;
- (b) it is located on the inland waterway network of the trans-European transport network.

Article 21

Transport infrastructure requirements for the comprehensive network

1. Member States shall ensure that inland ports on the comprehensive network, by 31 December 2050:
 - (a) will be connected with the road or rail infrastructure;
 - (b) offer at least one multimodal freight terminal open to all operators and users in a non-discriminatory way and which shall apply transparent and non-discriminatory charges;
 - (c) are equipped with facilities to improve the environmental performance of vessels in ports, which may include waste reception facilities, degassing facilities, noise reduction measures, measures to reduce air and water pollution.
2. Member States shall ensure that alternative fuels infrastructure is deployed in inland ports in accordance with Regulation (EU) [...] [on the deployment of alternative fuels infrastructure].

Transport infrastructure requirements for the core network

1. Member States shall ensure that the inland ports of the core network meet the requirements set out in Article 21(1), points (a) and (b), by 31 December 2030 and in Article 21(1), points (c), by 31 December 2040.
2. Member States shall ensure that the inland waterway network, including connections referred to in Article 20(1), point (e), is maintained to enable efficient, reliable and safe navigation for users by ensuring minimum waterway requirements laid down in paragraph 3, point (a) and minimum levels of service requirements laid down in paragraph 3, points (b), (c) and (d) (Good Navigation Status).

Member States shall prevent the deterioration of these minimum requirements or any of its defined underlying criteria. In case inland waterway network exceeds these minimum requirements at the date of entry into force of this Regulation, Member States shall make all possible efforts to prevent the deterioration of its status.

3. Member States shall by 31 December 2030 in particular ensure that:
 - (a) Rivers, canals, lakes, lagoons, inland ports and their access routes provide a navigable channel depth of at least 2.5 m and a minimum height under non-openable bridges of at least 5.25 m at defined reference water levels, which are exceeded at a defined number of days per year on a statistical average.

The reference water levels shall be established on the basis of the number of days per year on which the actual water level exceeded the specified reference water level. Subject to the approval of the Member States concerned in accordance with Article 172 TFEU, the Commission shall adopt implementing acts, to be elaborated in close cooperation with such Member States and, if applicable, in consultation with river navigation commissions set up by international agreements, specifying the reference water levels referred to in the previous subparagraph per corridor, per waterway or per waterway section. Those implementing acts shall be adopted in accordance with the examination procedure referred to in Article 59(3). **They shall be consistent with** ~~When specifying the reference water levels the Commission shall take into account~~ the requirements which are set out in international conventions, in agreements concluded between Member States, including in the regulations adopted by the river navigation commissions set up by such conventions and agreements.

- (b) Member States shall publish on a website accessible to the public the number of days per year as referred to in point (a) during which the actual water level exceeds or does not achieve the specified reference water level for navigation channel depth as well as the average waiting times at each lock;
- (c) operators of locks shall ensure that locks are operated and maintained in such a way that waiting times are minimised;
- (d) rivers, canals, lakes and lagoons are equipped with RIS for all services according to Directive 2005/44/EC⁵⁴, so as to guarantee real-time information to users across borders.

⁵⁴ Directive 2005/44/EC of the European Parliament and of the Council of 7 September 2005 on harmonised river information services (RIS) on inland waterways in the Community (OJ L 255, 30.9.2005, p.152).

4. Upon request of a Member State, in duly justified cases, exemptions from the minimum requirements referred to in paragraph (3), point (a), shall be granted by the Commission per waterway and where appropriate per waterway section by means of implementing acts on the ground of specific geographical or significant physical constraints, or negative result of socio-economic cost-benefit analysis or potential negative impacts on environment or biodiversity, or on cultural heritage. Any such request shall be substantiated with sufficient justification. The request for exemptions shall be coordinated with the neighbouring Member State(s) where applicable. The neighbouring Member State(s) may provide an opinion to the Member State requesting the exemption. The Member State shall attach the opinion(s) of the neighbouring Member State(s) to its request. A Member State may request the granting of several exemptions in a single request.

The Commission shall assess the request in view of the justification provided under the first subparagraph. The Commission shall take duly into account the opinion(s) of the neighbouring Member State(s) concerned.

The Commission may ask additional information to the Member State no later than thirty calendar days following the receipt of request pursuant to the first subparagraph. If the Commission considers that the information provided is insufficient, it may ask the Member State to supplement that information within thirty calendar days from the receipt of that information.

The Commission shall take a decision on the requested exemption no later than 6 months following the receipt of the request pursuant to in the first subparagraph or, in case further information has been provided by the Member States concerned pursuant to the third subparagraph, no later than 4 months following the latest receipt of such information, whichever is the latest date. In the absence of an explicit decision by the Commission within such time-limits, the exemption shall be deemed to be granted.

The Commission shall inform other Member States of the exemptions granted pursuant to this Article.

Deterioration of the minimum requirements caused by direct human action or by lack of diligence in the maintenance of the inland waterway network shall not be considered as a case justifying the granting of an exemption.

- 4a. In case of force majeure, Member States shall rehabilitate the navigability conditions to the previous status as soon as the situation allows for it.
5. The Commission may adopt guidelines ensuring a coherent approach on the application of the good navigation status in the Union. These guidelines may cover in particular:
 - (a) complementary parameters for waterways specific for free flowing rivers;
 - (aa) complementary parameters for navigable width of channel;
 - (b) deleted.
 - (c) deleted.
 - (d) deleted.
 - (e) deployment of alternative energy infrastructure to ensure corridor-wide access to alternative fuels;
 - (f) use of digital applications of the network and automation processes;
 - (g) resilience of the infrastructure to climate change, natural hazards and human-made disasters or intentional disruptions;
 - (h) introduction and promotion of new technologies and innovation for zero-carbon energy fuels and propulsion systems.
6. Deleted.

Additional priorities for inland waterway infrastructure development

In the promotion of projects of common interest related to inland waterway infrastructures, and in addition to the general priorities set out in Articles 12 and 13, attention shall be given to the following:

- (a) where appropriate, achieving higher standards for modernising existing waterways and for creating new waterways, in order to meet market demands;
- (b) prevention and mitigation measures against flooding and droughts;
- (c) improvement of digitalisation and automation processes, in particular in view of an increased safety, security and sustainability in inland waterway transport, including within urban nodes;
- (d) modernisation and expansion of the capacity of the infrastructure, including mooring and rest places and their services necessary for multimodal transport operations within as well as outside the port area and along the waterway;
- (e) promoting and developing measures to improve the environmental performance of inland waterway transport and transport infrastructure, including zero and low emission vessels and measures to mitigate impacts on water bodies and water-dependent biodiversity, in accordance with the applicable requirements under Union law or relevant international agreements;
- (f) development and use of shallow- draught inland waterway vessels suited for low water levels;
- (g) when building or upgrading inland waterways infrastructure, ensure the continuity and accessibility of pedestrian and cycling paths in order to promote the active modes of transport;

- (h) promoting actions to prevent deterioration of the waterway requirements.

SECTION 3

MARITIME TRANSPORT INFRASTRUCTURE AND THE EUROPEAN MARITIME SPACE

Article 24

Infrastructure components

1. The European Maritime Space connects and integrates the maritime components described in paragraph 2 with the landside network through the creation or upgrading of short-sea shipping routes and through the development of maritime ports on the territory of Member States and their hinterland connections to provide an efficient, viable and sustainable integration with other modes of transport.
2. The European Maritime Space consists of:
 - (a) the maritime transport infrastructure within the port area of the core and comprehensive network, including hinterland connectivity;
 - (b) wider benefit actions that are not linked to specific ports and that benefit the European Maritime Space and the maritime industry widely, such as support to activities ensuring year-round navigability (icebreaking), facilitating the transition towards sustainable maritime transport, improving the synergies between transport and energy, inter alia by fostering the role of ports as energy hubs and helping the energy transition, and ICT systems for transport and hydrographic surveys;

(c) the promotion of sustainable and resilient short-sea shipping links, in particular those that concentrate flows of freight in order to reduce negative external costs such as emissions and congestion from road transport within the Union and those that improve access to outermost and other remote, insular and peripheral regions through the establishment or upgrading of sustainable, regular and frequent maritime services.

(d) deleted.

3. Maritime transport infrastructure referred to in point (a) of paragraph 2 shall comprise, in particular:

- (a) maritime ports, including the infrastructure necessary for transport operations within the port area,;
- (b) basic port infrastructure such as internal basins, quay walls, berths, platforms, jetties, docks, dykes, backfills, and land reclamation;
- (c) sea canals;
- (d) navigational aids;
- (e) port approaches, fairways and locks;
- (f) breakwaters;
- (g) the connections of the ports to the trans-European transport network;
- (h) ICT systems for transport, including EMSWe and VTMISS;
- (i) infrastructure related to alternative fuels;

- (j) associated equipment, which may include, in particular, equipment for traffic and cargo management, for the reduction of negative effects on the environment, including for zero waste operations and circular economy measures, for improving energy efficiency, for the reduction of noise, and for the use of alternative fuels, as well as equipment to ensure year-round navigability, including ice-breaking, hydrological surveys, and for capital dredging and protection of the port and port approaches;
- (k) deleted.
- (l) infrastructure facilitating port activities related to offshore wind farms and renewable energy.

4. In order to be part of the comprehensive network, a maritime port shall meet at least one of the following conditions:

- (a) its total annual passenger traffic volume exceeds 0.1% of the total annual passenger traffic volume of all maritime ports of the Union. The reference amount for this total volume is the latest available three-year average, based on the statistics published by Eurostat;
- (b) its total annual cargo volume – either for bulk or for non-bulk cargo handling – exceeds 0.1% of the corresponding total annual cargo volume handled in all maritime ports of the Union. The reference amount for this total volume is the latest available three-year average, based on the statistics published by Eurostat;
- (ba) its total annual cargo volume – for bulk and /or for non-bulk cargo handling – exceeds annually 500.000 tonnes and its contribution to the diversification of EU energy supplies and to the acceleration of the roll-out of renewable energies is one of the main activities of the port. The reference amount for this total volume is the latest available three-year average, based on the statistics published by Eurostat.

- (c) it is located on an island and provides the sole point of access to a NUTS 3 region in the comprehensive network within the meaning of Article 3 of Regulation 1059/2003⁵⁵;
- (d) it is located in an outermost region or a peripheral area, outside a radius of 200 km from the nearest other port in the comprehensive network.

Article 25

Transport infrastructure requirements for the comprehensive network

1. Member States shall ensure that:
 - (a) alternative fuels infrastructure is deployed in maritime ports of the comprehensive network in accordance with the Regulation (EU) [...] [on the deployment of alternative fuels infrastructure];
 - (b) maritime ports of the comprehensive network are equipped with the necessary infrastructure to improve the environmental performance of ships in ports, in particular reception facilities for the delivery of waste from ships in accordance with Directive (EU) 2019/883 of the European Parliament and of the Council⁵⁶;
 - (c) VTMISS and SafeSeaNet are implemented in accordance with Directive 2002/59/EC;
 - (d) maritime national single windows are implemented in accordance with Regulation (EU) 2019/1239.

⁵⁵ Regulation (EC) No 1059/2003 of the European Parliament and of the Council of 26 May 2003 on the establishment of a common classification of territorial units for statistics (NUTS)

⁵⁶ Directive (EU) 2019/883 of the European Parliament and of the Council of 17 April 2019 on port reception facilities for the delivery of waste from ships, amending Directive 2010/65/EU and repealing Directive 2000/59/EC (OJ L 151, 7.6.2019, p. 116).

2. Member States shall ensure that, by 31 December 2050:
- (a) maritime ports of the comprehensive network with a total annual cargo volume of more than 2 million tons are connected with the rail and road infrastructure and, where possible, inland waterways. The reference amount for this total volume is the latest available three-year average, based on the statistics published by Eurostat;
 - (b) any maritime port of the comprehensive network that serves freight traffic offers at least one multimodal freight terminal which is open to all operators and users in a non-discriminatory way and which applies transparent and non-discriminatory charges;
 - (c) sea canals, port fairways and estuaries which connect two seas, or which provide access from the sea to maritime ports correspond at least to inland waterways that meet the requirements of Article 22;
 - (d) maritime ports of the comprehensive network connected to inland waterways are equipped with dedicated handling capacity for inland waterway vessels.

The obligation to ensure the connection referred to in point (a) of the first subparagraph shall not apply where specific geographic or significant physical constraints prevent such connection.

3. Upon a request of a Member State, in duly justified cases exemptions from the minimum requirements referred to in the first subparagraph of paragraph (2), shall be granted by the Commission by means of implementing acts on the ground of specific geographical or significant physical constraints or negative result of socio-economic cost-benefit analysis or potential negative impacts on environment or biodiversity. Any such request shall be substantiated with sufficient justification. A Member State may request the granting of several exemptions in a single request.

The Commission shall assess the request in view of the justification provided under the first subparagraph.

The Commission may ask additional information to the Member State no later than thirty calendar days following the receipt of request pursuant to the first subparagraph. If the Commission considers that the information provided is insufficient, it may ask the Member State to supplement that information within thirty calendar days from the receipt of that information.

The Commission shall take a decision on the requested exemption no later than 6 months following the receipt of the request pursuant to in the first subparagraph or, in case further information has been provided by the Member States concerned pursuant to the third subparagraph, no later than 4 months following the latest receipt of such information, whichever is the latest date. In the absence of an explicit decision by the Commission within such time-limits, the exemption shall be deemed to be granted.

The Commission shall inform other Member States of the exemptions granted pursuant to this Article.

Article 26

Transport infrastructure requirements for the core network

1. Member States shall ensure that the maritime transport infrastructure of the core network complies with Article 25(1).
2. Member States shall ensure that the maritime transport infrastructure of the core network meets the requirements set out in Article 25(2) by 31 December 2030.

3. Upon request of a Member State, in duly justified cases, exemptions from the minimum requirements referred to in paragraph (2), shall be granted by the Commission by means of implementing acts on the ground of specific geographical or significant physical constraints or negative result of socio-economic cost-benefit analysis or potential negative impacts on environment or biodiversity. Any such request shall be substantiated with sufficient justification. A Member State may request the granting of several exemptions in a single request.

The Commission shall assess the request in view of the justification provided under the first subparagraph.

The Commission may ask additional information to the Member State no later than thirty calendar days following the receipt of request pursuant to the first subparagraph. If the Commission considers that the information provided is insufficient, it may ask the Member State to supplement that information within thirty calendar days from the receipt of that information.

The Commission shall take a decision on the requested exemption no later than 6 months following the receipt of the request pursuant to in the first subparagraph or, in case further information has been provided by the Member States concerned pursuant to the third subparagraph, no later than 4 months following the latest receipt of such information, whichever is the latest date. In the absence of an explicit decision by the Commission within such time-limits, the exemption shall be deemed to be granted.

The Commission shall inform other Member States of the exemptions granted pursuant to this Article.

Additional priorities for maritime infrastructure development and the European Maritime Space

In the promotion of projects of common interest related to maritime infrastructure and the European Maritime Space, and in addition to the priorities set out in Articles 12 and 13, attention shall be given to the following:

- (a) upgrading maritime access, such as breakwaters, sea channels, fairways, locks, capital dredging and navigational aids;
- (b) construction or upgrading basic port infrastructure, such as internal basins, quay walls, berths, platforms, jetties, docks, dykes, backfills and land reclamation
- (ba) the improvement of the interconnection infrastructure, equipment and systems defined in Article 36;
- (c) improvement of digitalisation and automation processes, in particular in view of an increased safety, security, efficiency and sustainability;
- (d) introduction and promotion of new technologies and innovation, as well as renewable and low carbon fuels;
- (e) improvement of the resilience of the logistic chains and international maritime trade, including in relation to climate adaptation;
- (f) noise reduction and energy efficiency measures;
- (g) promoting zero and low emission vessels serving and operating short-sea shipping links, and developing measures to improve the environmental performance of maritime transport for port call or supply chain optimisation in accordance with the applicable requirements under Union law or relevant international agreements, including the use of eco-incentives schemes;

- (h) actions referred to in points (b) and (c) of Article 24(2).

SECTION 4

ROAD TRANSPORT INFRASTRUCTURE

Article 28

Infrastructure components

1. Road transport infrastructure shall comprise, in particular:
 - (a) roads including:
 - (i) bridges;
 - (ii) tunnels;
 - (iii) junctions;
 - (iv) crossings;
 - (v) interchanges;
 - (vi) hard shoulders;
 - (vii) deleted;
 - (viii) deleted;
 - (ix) deleted;
 - (x) infrastructure mitigating impact on environment;

- (b) associated equipment, including, weigh in motion systems;
 - (c) digital infrastructure and ICT systems for transport;
 - (d) access routes to multimodal freight terminals;
 - (e) connections of the freight terminals and logistic platforms to the other modes in the trans-European transport network;
 - (f) bus terminals;
 - (g) infrastructure related to facilities for alternative fuels;
 - (h) parking and rest areas, including safe and secure parking areas for commercial vehicles.
2. The roads referred to in point (a) of paragraph 1 and indicated in Annex I are those which play an important role in long-distance freight and passenger traffic, integrate the main urban and economic centres and interconnect with other transport modes.
3. Equipment associated with roads may include, in particular, equipment for traffic management, information and route guidance, for the levying of tolls or user charges, for safety, for reducing negative environmental effects, for refuelling or recharging of vehicles with alternative propulsion, and for safe and secure parking areas for commercial vehicles.

Article 29

Transport infrastructure requirements for the comprehensive network

1. Member States shall ensure that:

- (a) the safety of road transport infrastructure is ensured, monitored and, when necessary, improved in accordance with Directive 2008/96/EC of the European Parliament and of the Council⁵⁷;
- (b) the roads are designed, built or upgraded and maintained with high level of safety of traffic;
- (c) the roads are designed, built or upgraded and maintained with high level of environmental protection, including as appropriate through noise reduction measures and the collection, treatment and release of water run-off;
- (d) road tunnels over 500 m in length comply with Directive 2004/54/EC of the European Parliament and of the Council⁵⁸;
- (e) where applicable, the interoperability of toll collection systems is ensured in accordance with Directive (EU) 2019/520 of the European Parliament and of the Council⁵⁹ and with Commission Implementing Regulation C/2019/9080⁶⁰ and Commission Delegated Regulation C/2019/8369⁶¹;

⁵⁷ Directive 2008/96/EC of the European Parliament and of the Council of 19 November 2008 on road infrastructure safety management (OJ L 319, 29.11.2008, p. 59).

⁵⁸ Directive 2004/54/EC of the European Parliament and of the Council of 29 April 2004 on minimum safety requirements for tunnels in the trans-European road network (OJ L 167, 30.4.2004, p. 39).

⁵⁹ Directive (EU) 2019/520 of the European Parliament and of the Council of 19 March 2019 on the interoperability of electronic road toll systems and facilitating cross-border exchange of information on the failure to pay road fees in the Union (OJ L 91, 29.3.2019, p. 45).

⁶⁰ Commission Implementing Regulation (EU) 2020/204 of 28 November 2019 on detailed obligations of European Electronic Toll Service providers, minimum content of the European Electronic Toll Service domain statement, electronic interfaces, requirements for interoperability constituents and repealing Decision 2009/750/EC (OJ L 43, 17.2.2020, p. 49).

⁶¹ Commission Delegated Regulation (EU) 2020/203 of 28 November 2019 on classification of vehicles, obligations of European Electronic Toll Service users, requirements for interoperability constituents and minimum eligibility criteria for notified bodies (OJ L 43, 17.2.2020, p. 41).

- (f) where applicable, the tolls or user charges are levied in accordance with Directive 1999/62/EC of the European Parliament and of the Council⁶²;
- (g) any intelligent transport system on road transport infrastructure complies with Directive (EU) [...] on the framework for the deployment of Intelligent Transport Systems and is deployed in a manner consistent with delegated acts adopted under that Directive⁶³;
- (h) alternative fuels infrastructure is deployed on the road network in accordance with Regulation (EU) [...] [on the deployment of alternative fuels infrastructure].

2. Member States shall ensure that by 31 December 2050 the roads referred in Article 28 (1)(a) of the comprehensive network meet the following requirements:

- (a) deleted.
- (b) rest areas are available at a maximum distance of 100 km from each other, providing sufficient parking space, and appropriate facilities, including sanitary facilities, that meet the needs of a diverse workforce;
- (c) deleted.
- (d) weigh in motion systems are installed every 300 km on average on the network of a Member State. When deploying those systems Member States may focus on road sections with high intensity of freight traffic. Weigh in motion systems shall allow the identification of vehicles and vehicle combinations that are likely to have exceeded the maximum authorised weights set out in Directive 96/53/EC.

⁶² Directive 1999/62/EC of the European Parliament and of the Council of 17 June 1999 on the charging of heavy goods vehicles for the use of certain infrastructures (OJ L 187, 20.7.1999, p. 42).

⁶³ Directive 2021/... revising Directive 2010/40/EU of the European Parliament and of the Council of 7 July 2010 on the framework for the deployment of Intelligent Transport Systems in the field of road transport and for interfaces with other modes of transport] (OJ L [...]).

3. Member States shall ensure the deployment or use of the means to detect safety-related events or conditions, and collection of the relevant road traffic data, for the purpose of providing road safety-related minimum universal traffic information as defined in Commission Delegated Regulation 886/2013⁶⁴:
- for the existing infrastructure of the comprehensive network by 31 December 2030;
 - for the new infrastructure of the comprehensive network by 31 December 2050 or, in case the road section is completed before, by its date of completion.
4. Upon request of a Member State, in duly justified cases, exemptions from the requirement set out in paragraph 2 shall be granted by the Commission by means of implementing acts where the traffic density does not exceed 10,000 vehicles per day in both directions and/or on the ground of specific geographical or significant physical constraints or negative result of socio-economic cost-benefit analysis or potential negative impacts on environment or biodiversity. Any such request shall be substantiated with sufficient justification. The request for exemptions shall be coordinated with the neighbouring Member State(s) where applicable. Neighbouring Member States may provide an opinion to the Member State requesting the exemption. The Member State shall attach the opinions of neighbouring Member States to its request. A Member State may request the granting of several exemptions in a single request.

The Commission shall assess the request in view of the justification provided under the first subparagraph. The Commission shall take duly into account the opinion(s) of the neighbouring Member State(s) concerned.

⁶⁴ Commission delegated Regulation (EU) No 886/2013 of 15 May 2013 supplementing Directive 2010/40/EU of the European Parliament and of the Council with regard to data and procedures for the provision, where possible, of road safety-related minimum universal traffic information free of charge to users(OJ L 247, 18.9.2013, p. 6).

The Commission may ask additional information to the Member State no later than thirty calendar days following the receipt of request pursuant to the first subparagraph. If the Commission considers that the information provided is insufficient, it may ask the Member State to supplement that information within thirty calendar days from the receipt of that information.

The Commission shall take a decision on the requested exemption no later than 6 months following the receipt of the request pursuant to in the first subparagraph or, in case further information has been provided by the Member States concerned pursuant to the third subparagraph, no later than 4 months following the latest receipt of such information, whichever is the latest date. In the absence of an explicit decision by the Commission within such time-limits, the exemption shall be deemed to be granted.

The Commission shall inform other Member States of the exemptions granted pursuant to this Article.

Article 30

Transport infrastructure requirements for the core network and extended core network

1. Member States shall ensure that the road infrastructure of the core network and extended core network complies with Article 29(1).
- 1a. Member States shall ensure that the roads, as referred in Art 28(1)(a) comply with the following requirements, by 31 December 2030 for the road infrastructure of the core network and by 31 December 2040 for the road infrastructure of the extended core network:
 - (i) they provide, except at special points or temporarily, separate carriageways for the two directions of traffic, separated from each other by a dividing strip not intended for traffic or by other means ensuring equivalent level of safety; and

(ii) they do not cross at grade with any road, railway or tramway track, bicycle path or footpath.

(iii) deleted.

2. Member States shall ensure that the road infrastructure of the core network and extended core by 31 December 2040 complies with the following:

- a) rest areas are available along roads of the core and extended core network at a maximum distance of 60 km from each other, providing sufficient parking space and appropriate facilities, including sanitary facilities, that meet the needs of a diverse workforce;
- b) deleted;
- c) meets the requirements set out in Article 29(2)(d).

3. Member States shall make all possible efforts to ensure the development of safe and secure parking areas located on roads of the core and extended core network, or within 3 km driving distance from the nearest exit of road of the trans-European transport network, with a distance of 150 km between two such areas on average, providing a sufficient parking space for commercial vehicles and complying with the requirements set out in Article 8a(1) of Regulation (EC) No 561/2006 by 31 December 2040⁶⁵. Member States may focus on road sections with high intensity of freight traffic.

⁶⁵ Regulation (EC) No 561/2006 of the European Parliament and of the Council of 15 March 2006 on the harmonisation of certain social legislation relating to road transport and amending Council Regulations (EEC) No 3821/85 and (EC) No 2135/98 and repealing Council Regulation (EEC) No 3820/85 (Text with EEA relevance) (*OJ L 102, 11.4.2006, p. 1–14*)

4. Member States shall ensure that the road infrastructure meets the requirements set out in Article 29(3):
- for the existing infrastructure of the core network by 31 December 2025 and for the existing infrastructure of the extended core network by 31 December 2030;
 - for the new infrastructure of the core network by 31 December 2030 and for the new infrastructure of the extended core network by 31 December 2040 or, in case the road section is completed before, by its date of completion.
5. Upon request of a Member State, in duly justified cases, exemptions from the requirement set out in paragraphs 1a and 2 shall be granted by the Commission by means of implementing acts where the traffic density does not exceed 10,000 vehicles per day in both directions and/or on the ground of specific geographical or significant physical constraints or negative result of socio-economic cost-benefit analysis or potential negative impacts on environment or biodiversity. Any such request shall be substantiated with sufficient justification. The request for exemptions shall be coordinated with the neighbouring Member State(s) where applicable. The neighbouring Member State(s) may provide an opinion to the Member State requesting the exemption. The Member State shall attach the opinion(s) of the neighbouring Member State(s) to its request. A Member State may request the granting of several exemptions in a single request.
- The Commission shall assess the request in view of the justification provided under the first subparagraph. The Commission shall take duly into account the opinion(s) of the neighbouring Member State(s) concerned.
- The Commission may ask additional information to the Member State no later than thirty calendar days following the receipt of request pursuant to the first subparagraph. If the Commission considers that the information provided is insufficient, it may ask the Member State to supplement that information within thirty calendar days from the receipt of that information.

The Commission shall take a decision on the requested exemption no later than 6 months following the receipt of the request pursuant to in the first subparagraph or, in case further information has been provided by the Member States concerned pursuant to the third subparagraph, no later than 4 months following the latest receipt of such information, whichever is the latest date. In the absence of an explicit decision by the Commission within such time-limits, the exemption shall be deemed to be granted.

The Commission shall inform other Member States of the exemptions granted pursuant to this Article.

Article 31

Additional priorities for road infrastructure development

In the promotion of projects of common interest related to road infrastructure, and in addition to the general priorities set out in Articles 12 and 13, attention shall be given to the following:

- (a) improvement and promotion of road safety, taking into account the needs of vulnerable users and road users in all their diversity, in particular persons with reduced mobility;
- (b) mitigation of congestion on existing roads, in particular through intelligent traffic management, including dynamic congestion charges or tolls varied based on the time of day, week or season;
- (c) improvement of digitalisation and automation processes, introduction of innovative technologies to improve the control of compliance with the Union road transport legal framework, including smart and automated enforcement tools and communication infrastructure;

- (d) when building or upgrading road infrastructure, ensure the continuity and accessibility of pedestrian and cycling paths in order to promote the active modes of transport;
- (e) development of safe and secure parking areas providing a sufficient parking space for commercial vehicles and complying with the requirements set out in Article 8a(1) of Regulation (EC) No 561/2006⁶⁶ on the comprehensive network.

SECTION 5

AIR TRANSPORT INFRASTRUCTURE

Article 32

Infrastructure components

1. Air transport infrastructure shall comprise, in particular:
 - (a) air space, routes and airways;
 - (b) airports, including the infrastructure and equipment necessary for ground and transport operations within the airport area, and vertiports;
 - (c) the connections of the airports to the other modes in the trans-European transport network;
 - (d) ATM/ANS Systems and associated equipment, including space-based equipment;

⁶⁶ Regulation (EC) No 561/2006 of the European Parliament and of the Council of 15 March 2006 on the harmonisation of certain social legislation relating to road transport and amending Council Regulations (EEC) No 3821/85 and (EC) No 2135/98 and repealing Council Regulation (EEC) No 3820/85 (Text with EEA relevance) (*OJ L 102, 11.4.2006, p. 1–14*).

- (e) infrastructure related to alternative fuels, and electricity supply to stationary aircraft;
- (f) infrastructure for the on-site production of alternative fuels and improving energy efficiency and reducing climate, environmental and noise emissions of airports or of associated airport operations such as ground-handling services, aircraft operations and passenger ground transport;
- (g) infrastructure used for separate waste collection, waste prevention and activities in the area of circular economy;

(h) spaceports.

2. In order to be part of the comprehensive network, an airport shall meet at least one of the following conditions:

- (a) for cargo airports, the total annual cargo volume is at least 0.2% of the total annual cargo volume of all airports of the Union;
- (b) for passenger airports, the total annual passenger traffic is at least 0.1% of the total annual passenger volume of all airports of the Union, unless the airport in question is situated outside a radius of 100 km from the nearest airport in the comprehensive network or outside a radius of 200 km where there is a high-speed railway line in the region in which it is situated.

The total annual passenger volume and the total annual cargo volume are based on the latest available three-year average, based on the statistics published by Eurostat.

Article 33

Transport infrastructure requirements for the core and comprehensive network

1. Member States shall ensure that:

- (a) the airports of the core network with a total annual passenger traffic volume of more than four million passengers are connected to the trans-European railway network and to corresponding urban nodes, as set out in Annex II, by railway, metro, light rail or trams, by 31 December 2040, except where specific geographic or significant physical constraints prevent such connections;
- (b) deleted.
- (c) any airport located on their territory offers at least one terminal which is open to all operators and users in a non-discriminatory way and which shall apply transparent, and non-discriminatory charges in accordance with Directive (EC) No 2009/12⁶⁷;
- (d) common basic standards for safeguarding civil aviation against acts of unlawful interference, as adopted by the Union in accordance with Regulation (EC) No 300/2008 of the European Parliament and of the Council⁶⁸, apply to the air transport infrastructure;
- (e) infrastructure for air traffic management is such as to permit the implementation of the Single European Sky, in accordance with Regulation (EC) No 549/2004, (EC) No 550/2004, (EC) No 551/2004 and (EU) No 2018/1139, of air transport operations, in order to improve the performance and sustainability of the European aviation system, of implementing rules and of Union specifications;
- (f) alternative fuels infrastructure is deployed in airports in accordance with Regulation (EU) [...] [on the deployment of alternative fuels infrastructure];

⁶⁷ Directive 2009/12/EC of the European Parliament and of the Council of 11 March 2009 on airport charges (OJ L 70, 14.3.2009, p. 11).

⁶⁸ Regulation (EC) No 300/2008 of the European Parliament and of the Council of 11 March 2008 on common rules in the field of civil aviation security and repealing Regulation (EC) No 2320/2002 (OJ L 97, 9.4.2008, p. 72).

(g) the airports of the core and comprehensive network with a total annual passenger traffic volume of more than four million passengers provide infrastructure for pre-conditioned air supply to stationary aircraft at aircraft contact stands used for commercial transport operations by 31 December 2030 for airports of the core network and 31 December 2040 for airports of the comprehensive network.

2. Upon request of a Member State, the Commission shall, in duly justified cases, grant exemptions by means of implementing acts in respect of the requirements set out in paragraph 1, points (a) and (g) on the ground of specific geographical or significant physical constraints, including the non-existence of a railway system on the territory or negative result of socio-economic cost-benefit analysis or potential negative impacts on environment or biodiversity. Any such request shall be substantiated with sufficient justification. Member State may request the granting of several exemptions in a single request.

The Commission shall assess the request in view of the justification provided under the first subparagraph.

The Commission may ask additional information to the Member State no later than thirty calendar days following the receipt of request pursuant to the first subparagraph. If the Commission considers that the information provided is insufficient, it may ask the Member State to supplement that information within thirty calendar days from the receipt of that information.

The Commission shall take a decision on the requested exemption no later than 6 months following the receipt of the request pursuant to in the first subparagraph or, in case further information has been provided by the Member States concerned pursuant to the third subparagraph, no later than 4 months following the latest receipt of such information, whichever is the latest date. In the absence of an explicit decision by the Commission within such time-limits, the exemption shall be deemed to be granted.

The Commission shall inform other Member States of the exemptions granted pursuant to this Article.

Additional priorities for air transport infrastructure development

In the promotion of projects of common interest related to air transport infrastructure, and in addition to the priorities set out in Articles 12 and 13, attention shall be given to the following:

- (a) increasing airport energy and operational efficiency;
- (b) supporting the implementation of the Single European Sky and of interoperable systems, in particular those developed by the SESAR project in accordance with the European ATM Master Plan, including those aiming at ensuring safe and full integration of new air vehicles, manned and unmanned.
- (c) improvement of digitalisation and automation processes, in particular in view of an increased safety and security;
- (d) improving multimodal interconnections between airports and infrastructure of other transport modes, and between airports and urban nodes where appropriate;
- (e) improving sustainability and mitigating climate, environmental and noise impacts, in particular by introducing new technologies and innovation, alternative fuels, zero- and low emission aircraft and zero and low carbon infrastructure.
- (f) connection of the airports of the comprehensive network and core network with a total annual passenger traffic volume of less than four million passengers to the network and to corresponding urban nodes, as set out in Annex II, by the railway, metro, light rail or trams.
- (g) infrastructure providing pre-conditioned air supply to stationary aircraft at remote stands, and at contact stands in the airports of the trans-European transport network with a total annual passenger traffic volume of less than four million passengers.

SECTION 6

INFRASTRUCTURE FOR MULTIMODAL FREIGHT TERMINALS

Article 35

Identification of the multimodal freight terminals

1. The multimodal freight terminals of the trans-European transport network are terminals that are open to all operators and users in a non-discriminatory way and are:
 - (a) located in or adjacent to the maritime ports of the trans-European transport network, as listed in Annex II;
 - (b) located in or adjacent to the inland ports of the trans-European transport network, as listed in Annex II;
 - (ba) located in the airports of the trans-European transport network, as listed in Annex II;
or
 - (c) deleted.
 - (d) classified as rail road terminals or terminals along the inland waterways of the trans-European transport network, as listed in Annex II.
2. Member States shall make all possible efforts to ensure that there is sufficient multimodal freight terminal capacity serving the trans-European transport network, taking into account current and future traffic flows, in particular flows serving urban nodes, industrial centres, ports and logistics hubs.

3. Within three years after the entry into force of this Regulation, Member States shall conduct a market and prospective analysis on multimodal freight terminals on their territory. This analysis shall at least:
- (a) examine the current and the future traffic flows of freight, including traffic flows of freight transported by road;
 - (b) identify the existing multimodal freight terminals of the trans-European transport network on their territory, and assess the need for new multimodal freight terminals or additional transshipment capacity in existing terminals;
 - (c) analyse how to ensure adequate distribution of multimodal freight terminals with adequate transshipment capacity in order to meet the needs identified in point (b). This shall take into account the terminals located in border areas of neighbouring Member States.

Member States shall consult shippers, transport and logistics operators which operate on their territory. They shall take into account the results of the consultation in their analysis.

Member States shall notify the results of the analysis to the Commission without delay.

4. In case the analysis under paragraph 3 identifies the need for new multimodal freight terminals or additional transshipment capacity in existing terminals, Member States shall elaborate an action plan for the development of a multimodal freight terminal network, including locations where such needs have been identified.
- 4a. The action plan shall be notified to the Commission no later than twelve months after finalising the analysis under paragraph 3.
- 4b. On the basis of this action plan, Member States shall notify to the Commission a list of rail road terminals and terminals along inland waterways which they propose to add to Annexes I and II.

5. In order to be part of the trans-European transport network and to be listed in Annex II, a rail road terminal or a terminal along inland waterways shall meet at least one of the following conditions:
- (a) its annual transshipment of freight exceeds, for non-bulk cargo, 800,000 tonnes or, for bulk cargo, 0.1% of the corresponding total annual cargo volume handled in all maritime ports of the Union;
 - (b) it is the main rail road terminal designated by the Member State for a NUTS 2 region, where there is no rail road terminal complying with point (a) in that NUTS 2 region,
 - (c) it is proposed to be added in Annexes I and II by the Member State in accordance with paragraph 4.

Article 36

Infrastructure components

Multimodal freight terminals shall comprise, in particular:

- (a) infrastructure interconnecting the different modes of transport within a terminal area and its vicinity;
- (b) equipment such as cranes, conveyors or other transshipment devices to move freight between different transport modes and for the positioning and storage of freight;
- (c) dedicated areas such as gate area, intermediate buffer and waiting area, transshipment area and driving or loading lanes;
- (d) ICT systems relevant for efficient terminal operations such as those that facilitate infrastructure capacity planning, transport operations, connections between the modes, and transshipment;
- (e) infrastructure for alternative fuels.

Transport infrastructure requirements

1. Member States shall make all possible efforts to ensure in a fair and non-discriminatory manner that all multimodal freight terminals, which are open to all operators and users in non-discriminatory way and apply transparent and non-discriminatory charges in maritime ports and inland ports as listed in Annex II and in all rail road terminals and terminals along inland waterways indicated in Annex I and listed in Annex II, meet the following requirements:
 - (a) are connected to at least two modes of transport which are available in the area;
 - (b) are equipped inside the terminal or within the 3 km distance from the terminal with at least one recharging station as defined in Article 2, point (43), of Regulation (EU) [...] [on the deployment of alternative fuels infrastructure] dedicated to serve heavy-duty vehicles, by 31 December 2030;
 - (c) are equipped with digital tools to facilitate by 31 December 2030:
 - (i) efficient terminal operations such as, where relevant, photogates, terminal operation system, driver digital check-in/check-out, cameras or other sensors on transshipment equipment as well as raiiside camera systems;
 - (ii) the provision of information flows within a terminal and between the transport modes along the logistic chain and the terminal able to exchange information with open and interoperable systems.
2. Member States shall make all possible efforts to ensure in a fair and non-discriminatory manner that, by 31 December 2030, those multimodal freight terminals referred to in Article 37(1) which are connected to the rail network and which carry out vertical transshipment, are able to handle the following types of craneable intermodal loading units: container, swap body or semi-trailer suitable for intermodal transport.

3. Member States shall make all possible efforts to ensure in a fair and non-discriminatory manner that multimodal freight terminals referred to in Article 37(1), which are connected to the rail network, shall be able to accommodate 740 m long trains by 31 December 2040.

This paragraph shall not apply to multimodal freight terminals which are only connected to isolated rail networks.

4. Deleted.

5. Upon request of a Member State, in duly justified cases, exemptions from the provisions under paragraphs 1 to 3 shall be granted by the Commission by means of implementing acts on the ground of specific geographical or significant physical constraints, in particular when the terminal is located in spatially restricted area, or negative result of socio-economic cost-benefit analysis or potential negative impacts on environment or biodiversity. Any such request shall be substantiated with sufficient justification. A Member State may request the granting of several exemptions in a single request.

The Commission shall assess the request in view of the justification provided under the first subparagraph.

The Commission may ask additional information to the Member State no later than thirty calendar days following the receipt of request pursuant to the first subparagraph. If the Commission considers that the information provided is insufficient, it may ask the Member State to supplement that information within thirty calendar days from the receipt of that information.

The Commission shall take a decision on the requested exemption no later than 6 months following the receipt of the request pursuant to in the first subparagraph or, in case further information has been provided by the Member States concerned pursuant to the third subparagraph, no later than 4 months following the latest receipt of such information, whichever is the latest date. In the absence of an explicit decision by the Commission within such time-limits, the exemption shall be deemed to be granted.

The Commission shall inform other Member States of the exemptions granted pursuant to this Article.

Article 38

Additional priorities for multimodal transport infrastructure development

In the promotion of projects of common interest related to multimodal transport infrastructure, and in addition to the general priorities set out in Articles 12 and 13, attention shall be given to the following:

- (a) facilitating interconnections between different transport modes;
- (b) removing the main technical and administrative barriers to multimodal transport, including by the implementation of eFTI;
- (c) developing a smooth flow of information enabling transport services across the trans-European transport system;
- (d) facilitating the interoperability for data sharing, access to data and data re-use within and between the transport modes;
- (e) promoting, where appropriate, that sidings and multimodal freight terminals on the trans-European transport network allow for the handling of 740 m long trains without manipulation;
- (f) extension and electrification of departure and arrival sidings, adjustments to signalling systems and improvements to the track configuration;
- (g) promoting, where appropriate, that sidings are migrated to European nominal standard track gauge.

SECTION 7

URBAN NODES

Article 39

Urban nodes components

1. An urban node shall comprise, in particular:
 - (a) transport infrastructure in the urban node that is part of the trans-European transport network, including bypasses;
 - (b) access points to the trans-European transport network, notably railway stations and bus terminals, multimodal freight terminals, ports or airports;
 - (c) deleted
2. The cities at the centre of each urban nodes of the trans-European transport network are listed in Annex II. In order to be part of the trans-European transport network and to be listed in Annex II, an urban node shall have a population of 100.000 inhabitants or more, or, where no such urban node exists in a NUTS 2 region, it shall be the main node of that NUTS 2 region.

Article 40

Urban nodes requirements

1. When developing the trans-European transport network in urban nodes, in order to ensure the effective functioning of the entire network without bottlenecks, Member States shall ensure:

- (a) the availability of alternative fuels recharging and refuelling infrastructure, in accordance to Regulation (EU) [...] [on the deployment of alternative fuels infrastructure];
- (b) by 31 December 2027:
 - (i) the adoption and monitoring of a SUMP for each urban node that includes inter alia measures to integrate the different modes of transport and shift towards sustainable mobility, to promote efficient zero and low-emission mobility including urban logistics, to reduce air and noise pollution;
 - (ii) the collection and submission to the Commission of urban mobility indicators, as defined in paragraph 2 of this Article, for each urban node;
- (c) by 31 December 2030, the development of multimodal passenger hubs to facilitate first and last mile connections which are equipped with at least one recharging station as defined in Article 2, point (43), of Regulation (EU) [...] [on the deployment of alternative fuels infrastructure] dedicated to serve buses and coaches;
- (d) by 31 December 2040, the development, where economically viable, of at least one multimodal freight terminal, if such a terminal does not already exist, allowing for sufficient transshipment capacity within or in the vicinity of the urban node.

One multimodal freight terminal may serve several urban nodes and be located in the urban node itself or in its vicinity. Member States shall inform the Commission accordingly.

- 1a. When adopting and monitoring the SUMP, local authorities, in cooperation with national authorities where relevant, shall make all possible efforts to ensure that SUMP are in line with the guidelines in Annex V while also taking into consideration long distance trans-European transport flows.
2. The Commission shall adopt, no later than one year after the entry into force of this Regulation an implementing act defining, in a limited number, the indicators related to transport sustainability and safety referred to under paragraph 1(b). Such implementing act shall also specify individual deadlines for submitting each indicator. Those deadlines shall be set from 3 to 5 years. When setting up the detailed set of indicators, the availability and accessibility of data at regional and local level shall be taken into consideration. That implementing act shall be adopted in accordance with the examination procedure referred to in Article 59(3).
3. The Commission shall also establish, no later than one year after the entry into force of this Regulation, an internet interface allowing the relevant authorities to submit the SUMP and the indicators referred to in paragraph 1(b), and allowing the Member States to ensure that the SUMP and the indicators have been submitted.

Article 41

Additional priorities for urban nodes

In the promotion of projects of common interest related to urban nodes, and in addition to the general priorities set out in Articles 12 and 13, attention shall be given to the following:

- (a) first and last mile connections between and to the access points to the trans-European transport network referred to in Article 39(1)(b), in order to increase the performance of the trans-European transport network, such as metros or tramways;

- (b) seamless interconnection between the infrastructure of the trans-European transport network and the infrastructure for regional and local sustainable transport. It may include, for passengers, the ability to access information, book, pay their journeys and retrieve their tickets through multimodal digital mobility services, and for freight, urban logistic facilities to enhance the consolidation of deliveries in urban areas, such as micro-hubs and cycle logistic hubs, in particular those connected with railway and waterborne transport infrastructure;
- (ba) sustainable, seamless and safe interconnection of passenger transport infrastructure between rail, road, the active modes of transport and, as appropriate, inland waterway, air, and maritime;
- (bb) sustainable, seamless and safe interconnection of freight transport infrastructure between rail, road, and as appropriate, inland waterway, air, and maritime as well as appropriate connections with logistics platforms and facilities;
- (c) mitigation of the exposure of urban areas to negative effects of transiting rail and road transport;
- (d) promotion of efficient and low-noise zero emission transport and mobility, including greening urban fleets for passengers and freight;
- (e) increase of the modal share of public transport and of active modes and measures to orientate primarily the mobility of passengers in favour of these modes;
- (f) deleted;
- (g) promotion of efficient low-noise and low-carbon urban freight delivery.

CHAPTER IV

PROVISIONS FOR SMART AND RESILIENT TRANSPORT

Article 42

ICT systems for transport

1. ICT systems for transport shall be such as to enable capacity and traffic management and the exchange of information within and between transport modes, for multimodal transport operations and value-added transport-related services, improvements in resilience, safety, security, congestion and operational and environmental performance, and simplified administrative procedures. ICT systems for transport shall also facilitate seamless connection between infrastructure and mobile assets.
2. The following ICT systems for transport shall be deployed in accordance with and within the limits of specific provisions laid down in Union law, across the Union, in order to ensure the presence of a set of interoperable basic capabilities in all Member States:
 - (a) for railways: ERTMS, telematics applications for freight and passenger services as referred to in the Technical Specification for Interoperability, in particular outputs from Shift2Rail and Europe's Rail Joint Undertaking;
 - (b) for inland waterways: RIS;
 - (c) for road transport and its interfaces with other modes of transport: ITS;
 - (d) for maritime transport: for vessel traffic management VT-MIS services and for information exchange the European Maritime Single Window environment (EMSW-e);
 - (e) for air transport: ATM/ANS systems, in particular those resulting from the SESAR project;
 - (f) for multimodal transport: eFTI.

3. deleted.

Article 43

Sustainable freight transport services

1. Member States shall promote projects of common interest which both provide efficient freight transport services that use the infrastructure of the trans-European transport network and contribute to reducing GHG emissions and other negative environmental and socio-economic impacts, and which aim to:
 - (a) improve sustainable use of transport infrastructure, including its efficient management;
 - (b) promote the deployment of innovative transport services, including short-sea shipping links in the framework of the European Maritime Space, ICT systems for transport and the development of the ancillary infrastructure necessary to achieve mainly environmental and safety-related goals of those services;
 - (c) facilitate multimodal transport service operations, including the necessary accompanying information flows, and improve cooperation of the participants of the logistic chain, including shippers, operators, service providers and their customers;
 - (d) stimulate resource efficiency and zero- and low-emission operation, in particular in the fields of technologies, operations, vehicle traction, driving/steaming, systems and operations planning; or
 - (e) improve links to the most vulnerable and isolated parts of the Union, in particular the outermost regions, and other remote, insular, peripheral and mountainous regions as well as sparsely populated areas promoting regular and frequent services.
2. deleted.

New technologies and innovation

In order for the trans-European transport network to keep up with innovative technological developments and deployments, the aim shall be in particular to:

- (a) support and promote the decarbonisation of transport through transition to zero- and low-emission vehicles, vessels and aircraft and other innovative and sustainable transport and network technologies in harmonised and coordinated way;
- (b) enhance the decarbonisation of all transport modes by stimulating energy efficiency, introduce zero and low emission solutions, including hydrogen and electricity supply systems, as well as other new solutions such as sustainable fuels, and provide corresponding infrastructure, where possible through synergies with the TEN-E. Such infrastructure may include grid access and other facilities necessary for the energy supply, may take account of the infrastructure-vehicle interface and may encompass ICT systems for transport. Transport infrastructure may serve as energy hub to serve different transport modes, in order to connect local production of clean energy with zero emission mobility applications. Transport infrastructure may also contribute to the deployment of other technologies accelerating the decarbonisation of the economy.
- (c) support the take-up and deployment of new digital technologies, in particular promote data exchange and connectivity infrastructure with uninterrupted coverage across the network to ensure the highest level and performance of digital infrastructure and reach higher levels of automation;
- (d) improve the safety and sustainability of the movement of persons and of the transport of goods;

- (e) improve the operation, management, accessibility, interoperability, multimodality and efficiency of the network, including through the development of multimodal digital mobility services;
- (f) promote efficient ways to provide accessible and comprehensible information to all users and providers of transport services regarding interconnections, interoperability and multimodality and regarding the environmental impacts of their transport choices;
- (g) deleted.
- (h) promote measures to reduce negative externalities, such as congestion, damage to health and pollution of any kind including noise and emissions;
- (i) introduce security technology;
- (j) improve transport infrastructure resilience against disruptions and climate change through infrastructure upgrades and design, as well as digital, cyber secure solutions aimed at the protection of the network in the context of natural and human-made disasters;
- (k) further advance the development and deployment of ICT systems and new technologies for transport within and between modes of transport.

Article 45

Safe and secure infrastructure

Deleted.

Resilience of infrastructure

1. Member States shall make all possible efforts to ensure that when projects of common interest are planned and implemented the security and resilience of the infrastructure to climate change, natural hazards, human-made disasters, accidents and operational interruptions as well as intentional disruptions affecting the functioning of the Union transport system are taken into account. In particular, due consideration shall be given to:
 - (a) interdependencies, linkages and cascading effects with other networks such as telecommunication and electricity network;
 - (b) safety, security and performance in the presence of multiple hazards;
 - (c) structural infrastructure quality during its whole lifecycle, with particular attention to the future projected climate conditions;
 - (d) civil protection needs to react to disruptions;
 - (e) cyber-security and resilience of infrastructure, with particular attention to cross-border infrastructure.
2. Projects of common interest for which an environmental impact assessment must be carried out in compliance with Directive 2011/92/EU shall be subject to climate proofing. The climate proofing shall be undertaken taking into account the latest available best practice and guidance to ensure that transport infrastructures are resilient to the adverse impacts of climate change, through a climate vulnerability and risk assessment, including through relevant adaptation measures, and through integration of the costs of greenhouse gas emissions in the cost-benefit analysis. Without prejudice to the provisions laid down in other EU acts, such requirement does not apply to projects for which the procurement process of the environmental impact assessment has been initiated before entry into force of this Regulation.

Article 47

Risks to security or public order

1. Member States shall make all possible efforts to ensure that the trans-European transport network is protected against potential risks to security or public order arising from participations of or contributions of any undertaking of a third country in a project of common interest.
2. Without prejudice to Regulation (EU) 2019/452, to each Member State having sole responsibility for its national security, as provided for in Article 4(2) TEU and to the right of each Member State to protect its essential security interests in accordance with Article 346 TFEU whenever a Member State considers that the participation of or contribution of any kind by a natural person of a third country or an undertaking of a third country is likely to affect infrastructure on the trans-European transport network on grounds of security or public order, the Member State shall inform the Commission of any appropriate measures adopted to mitigate such risk.

Article 48

Maintenance and project life cycle

1. Without prejudice to the responsibility of the Member States regarding the planning of the maintenance of infrastructure and their competence regarding the management and the financing of the maintenance of infrastructure, and to the budgetary principle of annuality, where applicable, Member States shall make all possible efforts to ensure:

- (a) the infrastructure of the trans-European transport network is maintained in a way that it provides, during its lifetime, a high level of service and safety adapted to the traffic flow, and improving its resilience, and that preventive maintenance needs and estimated costs over the life-time of the trans-European transport infrastructure are taken into account in the planning phase of construction or upgrading;
- (b) long term maintenance planning for road and where relevant, for inland waterway infrastructure;
- (c) deleted.
- (d) consistency between the maintenance and renewal needs in the case of railway infrastructure related to the development of the trans-European network for transport and the indicative rail infrastructure development strategy referred to in Article 8(1) of Directive 2012/34/EU and the contractual agreement referred to in Article 30 of Directive 2012/34/EU.

Article 49

Accessibility for all users

Trans-European transport infrastructure shall allow seamless mobility and accessibility for all users, in particular:

- people in situations of vulnerability including persons with disabilities or reduced mobility;
and
- people living in outermost regions and other remote, rural, insular, peripheral and mountainous regions as well as sparsely populated areas.

CHAPTER V

IMPLEMENTATION OF THE INSTRUMENTS OF EUROPEAN TRANSPORT CORRIDORS AND HORIZONTAL PRIORITIES

Article 50

The instrument of European Transport Corridors and horizontal priorities

1. European Transport Corridors are an instrument to facilitate the coordinated implementation of the parts of the core and extended core of the trans-European transport network and are intended, in particular, to improve cross-border links, to complete missing links and to remove bottlenecks within the Union.
2. In order to lead to resource-efficient multimodal transport and to contribute to cohesion through improved territorial cooperation, the European Transport Corridors shall be focused on:
 - (a) modal integration with a particular view to strengthen the most environmentally friendly transport modes, notably rail, inland waterways and short-sea shipping;
 - (b) interoperability;
 - (c) a coordinated development of infrastructure, in particular in cross-border sections, notably in view of developing an interoperable rail freight system as well as a performant long-distance rail passenger network, including at high speed, across the Union;
 - (d) supporting the coordinated and integrated development and deployment of innovative solutions for the digitalisation and interoperability of transport.
 - (e) promoting the deployment of alternative fuels infrastructure.

3. European Transport Corridors shall enable Member States to achieve a coordinated and synchronised approach with regard to investment in infrastructure.
4. The ERTMS and the European Maritime Space are the two horizontal priorities for the implementation of the trans-European transport network. The instruments set up in accordance with this Chapter shall facilitate the timely deployment of ERTMS and the integration of maritime transport infrastructure and services into the trans-European transport network.

Article 51

Coordination of European Transport Corridors and horizontal priorities

1. In order to facilitate the coordinated implementation of the European Transport Corridors, of ERTMS and of the European Maritime Space, the Commission shall, in agreement with the Member States concerned, and after consulting the European Parliament and the Council, designate one European Coordinator for each Corridor and for each horizontal priority.
2. The European Coordinator shall be chosen, in particular, on the basis of his/her knowledge of matters relating to transport and/or to the financing and/or the socio-economic and environmental evaluation of major projects, as well as his/her experience with Union policy making. The European Coordinator shall be selected for a mandate of maximum of four years, renewable. The remit of the European Coordinator shall relate to the implementation of a single corridor or horizontal priority.
3. The Commission decision designating the European Coordinator shall specify how the tasks referred to in paragraphs 5, 6 and 7 are to be performed.
4. The European Coordinator shall act in the name and on behalf of the Commission, which shall provide the necessary secretarial assistance.

5. The European Coordinators shall:
- (a) support the coordinated implementation of the European Transport Corridor or horizontal priority concerned;
 - (b) draw up a work plan together with the Member States concerned and monitor its implementation in accordance with Article 53;
 - (c) consult with the Corridor Forum or the consultative forum for the horizontal priorities respectively in relation to that work plan and its implementation and regularly inform the Forum on the implementation of the work plan;
 - (d) report to the Member States, to the Commission and, as appropriate, to all other entities directly involved in the development of the European Transport Corridor or horizontal priority on any difficulties encountered and, in particular when the development of a corridor or horizontal priority is being impeded, with a view to helping to find appropriate solutions;
 - (e) submit an annual status report to the European Parliament, the Council, the Commission and the Member States concerned on the progress achieved in implementing the European Transport Corridors and horizontal priorities. This annual status report shall focus on the progress made on key priorities and investments, describe the nature of problems encountered in their implementation and may suggest potential solutions.
6. Without prejudice to the competences of the rail freight governance under Regulation (EU) 913/2010 and to the competence of the Member States with respect to management and financing of infrastructure, the European Coordinators of the European Transport Corridors shall:

- (a) cooperate closely with the rail freight governance and the Member States concerned to help identify priorities and investment needs for rail freight on the rail freight lines of the European Transport Corridors;
- (b) monitor the performance of rail freight services, in close cooperation with the rail freight governance and, if appropriate, identify potential barriers, such as technical and operational ones, and make recommendations in this regard.

7. The European Coordinators of the European Transport Corridors shall:

- (a) cooperate closely with the Member States concerned in order to help identify priorities and investment needs for the rail passenger lines of the European Transport Corridors;
- (b) in close cooperation with infrastructure managers, monitor the performance of rail passenger services.

8. Pursuant Article 14(4) of Regulation (EU) No 2021/1153, the Commission shall request the consultative opinion of the European Coordinator when examining applications for Union funding under the Connecting Europe Facility (CEF) for European Transport Corridors or horizontal priorities in the remit of the European Coordinator's mandate, in order to ensure the consistency and advancement of each corridor or horizontal priority. The European Coordinator shall verify whether projects proposed by the Member States for CEF co-funding are consistent with the priorities of the work plan.

9. If the European Coordinator is unable to carry out his or her mandate satisfactorily and in accordance with the requirements laid down in this Article, the Commission may at any time after consulting the Member States concerned terminate that mandate and designate a new European Coordinator in accordance with the procedure set out in paragraph 1.

Governance of European Transport Corridors and horizontal priorities

1. For each European Transport Corridor and horizontal priority, the respective European Coordinator shall be assisted in the performance of his/her tasks concerning the work plan and its implementation by a secretariat and by a consultative forum, respectively the “Corridor Forum” and the “consultative Forum for the horizontal priority”.
2. The “Corridor Forum” shall be formally established and chaired by the European Coordinator. The Member States concerned shall agree on the membership of the Corridor Forum for their part of the European Transport Corridor and ensure representation of the rail freight governance.
3. With the agreement of the Member States concerned, the European Coordinator may set up and chair corridor working groups which focus on:
 - (a) interoperability and deployment of new technologies and infrastructure;
 - (b) the coordinated development and implementation of infrastructure projects in cross-border sections;
 - (c) cross-border passenger rail services;
 - (d) operational bottlenecks;
 - (e) urban nodes;
 - (f) cooperation with third countries;
 - (g) other topics deemed necessary.

When relevant, the European Coordinator shall cooperate and coordinate with the rail freight governance on the activities of the working groups to avoid any duplication of work.

4. The consultative Forum for the horizontal priority shall be established and chaired by the European Coordinator. The Member States concerned and, where appropriate and in agreement with Member States, representatives of the relevant sectors shall be able to participate. Member States shall designate a representative to attend the consultative Forum for ERTMS. The European Coordinator may also set up ad-hoc working groups.
5. The Member States concerned shall cooperate with the European Coordinator, participate in the Corridor Forum and the consultative forum for the horizontal priority and give the European Coordinator the information required in order to perform the tasks laid down in this Article, including information on the development of corridors in the relevant national plans and programmes contributing to the development of the Trans-European Transport network.
6. The European Coordinator may consult regional and local authorities, infrastructure managers, transport operators, in particular those which are members of the rail freight governance, the supply industry, transport users and relevant stakeholders in relation to the work plan and its implementation. In addition, the European Coordinator responsible for ERTMS shall closely cooperate with the European Union Agency for Railways and Europe's Rail Joint Undertaking and the European Coordinator for the European Maritime Space with the European Maritime Safety Agency.

Work plan of the European Coordinator

1. Each European Coordinator of the European Transport Corridors and the two horizontal priorities shall draw up, at the latest two years after the entry into force of this Regulation and thereafter every four years, a work plan that provides a detailed analysis of the state of implementation of the corridor or horizontal priority under his/her competence and its compliance with the requirements of this Regulation as well as the priorities for its future development.
2. The work plan shall be prepared in close cooperation with the Member States concerned and in consultation of the Corridor Forum and rail freight governance, or consultative forum of the horizontal priority. The work plan of the European Transport Corridors shall be approved by the Member States concerned. The Commission shall submit the work plan to the European Parliament and the Council for information.

When drafting the work plan, the European Coordinator shall take into account the implementation plan as referred to in Article 9 of Regulation (EU) 913/2010.

3. The work plan for the European Transport Corridor shall provide a detailed analysis of the state of implementation of the corridor concerned, which includes in particular:
 - (a) a description of the characteristics of the corridor, in particular the cross-border sections;
 - (b) an analysis of the state of compliance of the corridor with the transport infrastructure requirements of this Regulation and its related progress achieved;
 - (c) an identification of the missing links and bottlenecks, **including the operational ones**, hampering the development and **implementation** of the corridor, **in particular in cross border sections**;

- (d) an analysis of the investments required, including the different financing and funding sources committed and/or envisaged for the implementation of the projects needed for the development and completion of the corridor, in particular the cross-border sections;
- (e) a description of possible solutions to address the investment needs and bottlenecks, in particular for the passenger and freight lines and links of the corridor;
- (f) a plan, that may contain intermediate non-binding milestones, for the removal of physical, technical, digital, operational and administrative barriers between and within transport modes and for the enhancement of efficient multimodal transport with particular attention to cross-border sections and national missing links.

For the analysis of the investments and the preparation of the plan, the European Coordinator shall:

- cooperate with the executive board and the management board of the corridor referred to in Article 11 of Regulation (EU) No 913/2010 for the aspects related to rail freight;
- take into account the corridor relevant elements of the analysis, the action plans-elaborated by the Member States pursuant to Article 35(4) and the list referred to in Article 18, point (b), of Regulation (EU) No 913/2010 for the aspects related to the multimodal freight terminals.
- take into account the results of the monitoring performed in accordance with article 51, paragraph 7, point (b) for the aspect related to passenger services.

- (g) the results of the performance monitoring of rail freight traffic undertaken by the rail freight governance in accordance with Article 19(2) of Regulation (EU) No 913/2010 and the list of corridor objectives, targets and measures defined in accordance to Article 9(1) of Regulation (EU) No 913/2010, as means to reach the operational requirements of Article 18 of this Regulation;
- (h) an identification of measures in urban nodes, in cooperation with the Member States concerned and relevant local authorities, which can contribute to the effective functioning of the freight and passenger transport on the corridor and the achievement of the objectives of the trans-European transport network, while being consistent with relevant SUMPs.
- (i) an identification, established with the Member States concerned, of priorities for the development of the corridor;
- (j) an analysis of the possible impacts of climate change on the infrastructure and, where appropriate, proposed measures to enhance resilience to climate change;
- (k) measures to be taken in order to mitigate greenhouse gas emissions, noise and, as appropriate, other negative externalities.

4. The European Coordinator shall support to Member States in implementing the work plan, in particular as regards:

- (a) at the request of the Member States concerned, the priority setting in national planning, by helping to identify implementation problems and bottlenecks, including operational issues, on each corridor or for each horizontal priority;
- (b) at the request of the Member States concerned, the project and investment planning, the related costs and implementation timeline estimated to implement the European Transport Corridors or horizontal priority;

- (c) the work in the supervisory body or a similar steering body of a single entity, where relevant, for the coordination, construction and/or management of cross-border infrastructure projects, in accordance with the provisions set out in Article 8(5).

Article 54

Implementing acts

1. Deleted.
2. Without prejudice to Article 8(4a), and subject to the approval of the Member States concerned in accordance with Article 172 TFEU, the Commission may adopt implementing acts for the implementation of cross-border sections of the European Transport Corridors, or for the implementation of the horizontal priorities. Upon request of the Member State(s) concerned, the Commission may also adopt implementing acts for the implementation of other specific sections of the European Transport Corridors in the Member States concerned in order to ensure a coherent priority setting of that infrastructure and investment planning by setting indicative milestones for the implementation of respective major missing links and for the removal of bottlenecks. Implementing acts shall be elaborated in close collaboration with the Member States concerned and updated every four years or upon the request of Member States.
3. The implementing acts referred to in paragraphs 2 shall be adopted in accordance with the examination procedure referred to in Article 59(3). The Commission shall amend the implementing acts in accordance with the same procedure to take into account the progress made, delays encountered or updated national programmes.
4. Until full implementation of the measures provided for in the implementing act and unless provided otherwise in the implementing act, the Member States concerned shall communicate every two years to the Commission a report on the progress achieved, indicating in particular the financial commitments made in the national budget plan. The report may refer to the information gathered in accordance with Article 55.

CHAPTER VI

COMMON PROVISIONS

Article 55

Reporting and monitoring

1. Member States shall inform the Commission on a regular, comprehensive and transparent basis about the progress made in completing the trans-European transport network through the implementation of projects of common interest and the investments made for that purpose.
 - 1a. This information shall include yearly technical data related to the transport infrastructure requirements laid down in Chapter III of this Regulation unless such information has already been gathered at the level of the trans-European transport network for the purposes of other Union applications or databases.
 - 1b. This transmission shall be ensured in an automated way through the interactive geographical and technical information system for the trans-European transport network (TENtec). Until the automated data exchange functionality in TENtec is fully operational, this transmission shall be ensured every two years.
 - 1c. As regards investments related to projects of common interest, Member States shall transmit financial data every two years in the form of yearly-aggregated data per transport mode and per network (core, extended core and comprehensive).
 - 1d. The Commission shall specify by means of implementing acts adopted in accordance with the examination procedure referred to in Article 59(3), the list of technical data to be transmitted pursuant to paragraph 1a.

2. The Commission shall ensure that TENtec is publicly and easily accessible, allowing for an automated data exchange with national systems and other relevant Union applications and data sources. TENtec shall contain project-specific and updated information on the forms and amounts of Union co-funding as well as on the progress of each project.

The Commission shall also ensure that TENtec does not make publicly available any information which is confidential or which could prejudice or unduly influence any process of public procurement in a Member State.

3. The Commission and the Member States shall make all possible efforts to ensure the quality, completeness and consistency of the data in the TENtec information system. They shall cooperate in view of allowing an automated data exchange between national systems and data sources and TENtec.

Article 56

Updating of the network

1. Subject to the approval of the Member State concerned in accordance with the second paragraph of Article 172 TFEU, the Commission is empowered to adopt delegated acts in accordance with Article 60 to amend Annexes I and II, in order to:
 - (a) take account of changes resulting from the quantitative thresholds laid down in Articles 20(3)(a), 24(4)(a) and (b) and 32(2) and from the quantitative thresholds and qualitative requirements set out in Article 24(4)(ba). In that respect, the Commission shall:
 - (i) include inland ports, maritime ports and airports in the comprehensive network, if it is demonstrated that the latest three-year average of their traffic volume exceeds the relevant threshold;
 - (ii) exclude maritime ports and airports from the comprehensive network, if it is demonstrated that the average of their traffic volume over the last six years is below 85% of the relevant threshold or at the request of the Member State concerned;

- (b) include urban nodes in the trans-European transport network, if it is demonstrated that they meet the requirements set out in Article 39(2) or exclude urban nodes from the trans-European transport network at the request of the Member State concerned;
- (c) include in the trans-European transport network rail road terminals and terminals along inland waterways identified by the Member State according to Article 35(5), exclude rail road terminals from the trans-European transport network at the request of the Member State concerned or exclude multimodal freight terminal referred to in Article 35(1) (a), (b) and (ba) at the request of the Member States concerned;
- (d) adjust, on the basis of the information provided by the Member States concerned in accordance with Article 55(1), the maps for road, railway and inland waterway infrastructure in a strictly limited way so as to reflect progress made in completing the network. In adjusting those maps, the Commission shall not admit any adjustment in route alignment beyond that which is allowed by the relevant project authorising decision.

The adaptations referred to in points (a) and (b) of the first subparagraph shall be based on the latest available statistics published by Eurostat or, if those statistics are not available, by the national statistics offices of the Member States.

1a. The delegated act including a urban node in Annex II pursuant to paragraph 1(b) shall:

- a) extend the deadlines laid down by Article 40(1)(b) and (c) by 3 years, until 31 December 2030 and 31 December 2033 respectively; for those urban nodes included in Annex II after the deadlines laid down in Article 40(1)(b) or (c) have expired, those deadlines shall be extended by 3 years after the entry into force of that delegated act.
- b) extend the applicable deadline for meeting the requirements under Article 40(1)(d) by 5 years, until 31 December 2045; for those urban nodes included in Annex II after the deadline laid down in Article 40(1)(d) has expired, that deadline shall be extended by 5 years after the entry into force of that delegated act.

- 1b. The delegated act including a rail-road terminal in Annexes I and II pursuant to paragraph 1(c) shall:
- a) extend the deadlines laid down by Article 37(1)(c) and Article 37(2) by 3 years, until 31 December 2033; for those rail-road terminals included in Annexes I and II after the deadlines laid down in Article 37(1)(c) and Article 37(2) have expired, those deadlines shall be extended by 3 years after the entry into force of that delegated act.
 - b) extend the deadline laid down by Article 37(3) by 5 years, until 31 December 2045; for those rail-road terminals included in Annexes I and II after the deadline laid down in Article 37(3) has expired, that deadline shall be extended by 5 years after the entry into force of that delegated act.
2. A project of common interest concerning infrastructure which is newly included through a delegated act adopted pursuant to paragraph 1 in the trans-European transport network shall be eligible for Union financial assistance under the instruments available for the trans-European transport network as from the date of entry into force of that delegated acts.
- Projects of common interest concerning infrastructure which have been excluded from the trans-European transport network shall cease to be eligible as from the date of entry into force of the delegated acts adopted pursuant to paragraph 1 of this Article. The cessation of eligibility shall not affect financing or grant decisions taken by the Commission before that date.
3. Subject to Article 172(2) TFEU, the Commission is empowered to adopt delegated acts in accordance with Article 60 to amend Annex IV in order to include or adapt indicative maps of transport infrastructure networks of neighbouring countries. Such delegated acts shall be based on high-level agreements on transport infrastructure networks between the Union and the neighbouring countries concerned.

Article 57

Engagement with public and private stakeholders

National procedures regarding the involvement and consultation of regional and local authorities and civil society concerned by a project of common interest shall be complied with, where appropriate, in the planning and construction phase of a project. The Commission shall promote the exchange of good practice in this regard, notably as regards the consultation and inclusion of people in situations of vulnerability.

Article 58

Alignment of national plans with Union transport policy

1. Member States shall ensure that national plans and programmes contributing to the development of the trans-European transport network are coherent with Union transport policy, with the priorities and deadlines set out in this Regulation. They shall also take into account, inter alia, the priorities set out in the work plans for the relevant corridors and horizontal priorities for the concerned Member States.
2. Deleted.
3. Member States shall provide the Commission with the relevant draft national plan(s) or programme(s) contributing to the development of the trans-European transport network or an abstract thereof, and any significant modification of those as soon as possible after a public consultation of this plan or programme is launched. The Member States shall also provide the Commission with the final national plan(s) or programme(s) once adopted.

Article 59

Committee procedure

1. The Commission shall be assisted by a committee. That committee shall be a committee within the meaning of Regulation (EU) No 182/2011.
2. For the purpose of Article 22(3) ~~and (5)~~ the Commission shall be assisted by the Committee established pursuant to Article 7 of Council Directive 91/672/EEC⁶⁹.
3. Where reference is made to this paragraph, Article 5 of Regulation (EU) No 182/2011 shall apply. Where the committee delivers no opinion, the Commission shall not adopt the draft implementing act and the third paragraph of Article 5(4) of Regulation (EU) No 182/2011 shall apply.

Article 60

Exercise of delegation

1. The power to adopt delegated acts is conferred on the Commission subject to the conditions laid down in this Article.
2. The power to adopt delegated acts referred to in Article 11(3), 56(1) and (3) shall be conferred on the Commission for a period of five years from [the date of the entry into force of this Regulation]. The Commission shall draw up a report in respect of the delegation of power not later than nine months before the end of the five-year period. The delegation of power shall be tacitly extended for periods of an identical duration, unless the European Parliament or the Council opposes such extension not later than three months before the end of each period.

⁶⁹ Council Directive 91/672/EEC of 16 December 1991 on the reciprocal recognition of national boatmasters' certificates for the carriage of goods and passengers by inland waterway (OJ L 373, 31.12.1991, p. 29).

3. The delegation of powers referred to in Article 11(3), 56(1) and (3) may be revoked at any time by the European Parliament or by the Council. A decision to revoke shall put an end to the delegation of the power specified in that decision. It shall take effect the day following the publication of the decision in the *Official Journal of the European Union* or at a later date specified therein. It shall not affect the validity of any delegated acts already in force.
- 3a. Before adopting a delegated act, the Commission shall consult experts designated by each Member State in accordance with the principles laid down in the Interinstitutional Agreement of 13 April 2016 on Better Law-Making.
4. As soon as it adopts a delegated act, the Commission shall notify it simultaneously to the European Parliament and to the Council.
5. A delegated act adopted pursuant to Article 11(3), 56(1) and (3) shall enter into force only if no objection has been expressed either by the European Parliament or by the Council within a period of two months of the notification of that act to the European Parliament and the Council or if, before the expiry of that period, the European Parliament and the Council have both informed the Commission that they will not object. That period shall be extended by two months at the initiative of the European Parliament or of the Council.

Article 61

Review

1. By 31 December 2033, the Commission, having consulted with Member States as appropriate and with the assistance of the European Coordinators, shall carry out an assessment of the implementation of the core network, evaluating in particular its compliance with the requirements of this Regulation.

The assessment shall take into account the annual status report and the work plans drawn up by the European Coordinators pursuant to Article 51(5), point (e) and Article 53(1) respectively.

2. By 31 December 2033, the Commission, having consulted with Member States as appropriate and with the assistance of the European Coordinators, shall carry out a review of the implementation of the extended core and the comprehensive network, evaluating:
 - (a) compliance with this Regulation;
 - (b) progress in the implementation of this Regulation;
 - (c) changes in passenger and freight transport flows;
 - (d) developments in national transport infrastructure investment;
 - (e) the need for amendments to this Regulation.

The evaluation shall also consider the impact of evolving traffic patterns and relevant developments in infrastructure investment plans.

3. When carrying out that review, the Commission shall evaluate whether the extended core and the comprehensive network as provided for in this Regulation is likely to comply with the provisions of Chapters II, III and IV by the deadlines of 31 December 2040 and 31 December 2050, as applicable, while taking into account the economic and budgetary situation in the Union and in individual Member States. The Commission shall also evaluate, in consultation with the Member States, whether the extended core network and the comprehensive network should be modified to take into account developments in transport flows and national investment planning.

Delay in completion of the core network, the extended core network and the comprehensive network

1. In the event of significant delay in starting or completing work on the core network, extended core network and on the comprehensive network, the Commission may ask the Member State or Member States concerned to provide the reasons for the delay. Such reasons shall be provided by the Member State or Member States within three months of the request. On the basis of the reply given, the Commission shall consult the Member State or Member States concerned in order to resolve the problem that has caused the delay.
2. In case the delayed section concerns a European Transport Corridor, the European Coordinator shall be involved in view of supporting Member States in resolving the problem.
3. Without prejudice to the procedure laid down in Article 258 TFEU and to Article 8(4a), the Commission may, after considering the reasons provided by the Member State or Member States concerned pursuant to the first paragraph, in case the significant delay in starting or completing the work on the core network, extended core network or on the comprehensive network is attributable to the Member State or Member States without adequate justification, provide the Member State(s) concerned with non-binding recommendations in view of eliminating that delay and/or preventing or reducing further delays.
4. Deleted.

Article 63

Exemptions

The provisions relating to railways, and in particular any requirement to connect airports and ports to railways as well as the provisions related to multimodal freight terminals shall not apply to Cyprus, Malta and outermost regions for as long as no railway system is established within their territory. The provisions relating to safe and secure parking shall not apply to those Member States and regions.

The provisions related to European standard nominal track gauge for rail in Article 16a shall not apply to islands and outermost regions.

Article 64

Amendments to Regulation (EU) 2021/1153

Annex to Regulation (EU) 2021/1153 is amended in accordance with Annex VI to this Regulation.

Article 65

Amendments to Regulation (EU) No 913/2010

Regulation (EU) No 913/2010 is amended as follows:

- (1) Article 1 is replaced by the following:

Purpose and scope

1. This Regulation lays down rules for the organisation, governance and management of international rail corridors for competitive rail freight with a view to the development of a European rail network for competitive freight. It sets out rules for the organisation, management and the indicative investment planning of freight corridors.

2. This Regulation shall apply to the governance, management and use of railway infrastructure included in freight corridors, without prejudice to the responsibilities of the Member States regarding planning of and funding of such infrastructure.’

(1a) “In Article 2(1), the reference to ‘Article 2 of Directive 2001/14/EC’ is replaced by a reference to ‘Article 3 of Directive 2012/34/EU’”

(2) in Article 2, paragraph 2 is replaced by the following:

‘2. In addition to the definitions referred to in paragraph 1:

- (a) ‘freight corridor’ means the freight railway lines, of the European Transport Corridor as defined in Article 11(1) of Regulation [... new TEN-T Regulation]* and of Annex III to that Regulation, including the railway infrastructure and its equipment and relevant rail services in accordance with Directive 2012/34/EU;
- (b) ‘implementation plan’ means the document presenting the means, the strategy and the measures that the parties concerned intend to implement which are necessary and sufficient to organise and manage the freight corridor;
- (c) ‘terminal’ means the installation provided along the freight corridor which has been specially arranged to allow either the loading and/or the unloading of goods onto/from freight trains, and the integration of rail freight services with road, maritime, river and air services, and either the forming or modification of the composition of freight trains; and, where necessary, performing border procedures at borders with European third countries;

- (d) 'European Coordinator' means the Coordinator referred to in Article 51 of Regulation [... new TEN-T Regulation].

* Regulation [...]

- (3) the Title of Chapter II is replaced by the following:

'ORGANISATION AND GOVERNANCE OF THE FREIGHT CORRIDORS'

- (4) Article 3 is replaced by the following:

'Article 3

Organisation and governance of freight corridors

1. deleted.
 2. From the date of entry into force of Regulation [... new TEN-T Regulation] or in the event of an amendment of the alignment of a European Transport Corridor pursuant to Article 11(3) of that Regulation, Member States and infrastructure managers responsible for the freight corridor part of that European Transport Corridor shall adjust the governance of the freight corridor within 18 months of the date of the change. In duly justified cases and after the agreement of the Commission, the period may be extended to 24 months. The executive board and the management board of the freight corridor shall adopt the measures necessary to adjust organisation and management of the corridor in accordance with Articles 9 to 19 to the new geographical alignment.
 3. The executive board of a freight corridor may decide to address administrative, operational and interoperability aspects of international passenger rail services on the corridor. The provisions set out in Articles 11 and 14 shall not apply to these services.'
- (5) Articles 4 to 7 are deleted.

(6) Article 8 is amended as follows:

(a) in paragraph 1, the following sentence is added:

‘The executive board shall regularly assess the consistency between the general objectives and the objectives defined by the management board in accordance with Article 9(1), point (c).’

(ab) in paragraph 2, the reference to “Article 14(2) of Directive 2001/14/EC” is replaced by a reference to “Article 7(2) of Directive 2012/34/EU”.

(ac) the following paragraph 2a is added:

A Member State which made use of Article 5(4) of this Regulation, in its initial version, may decide that, for a period not exceeding 10 years from the [date of entry into force of the revised TEN-T Regulation], the infrastructure manager(s) responsible for the railway infrastructure on its territory shall not participate in the management board set up pursuant to paragraph 2 of this Article. The Member State concerned shall notify without delay the Commission and the other Member States participating in the freight corridor concerned of its decision.

In that case, the Member State and the infrastructure manager concerned shall cooperate with the management board where necessary for the execution of the functions of that board.

A Member State making use of the first subparagraph of this paragraph may, at any time thereafter during the 10 year-period referred therein, decide that the infrastructure manager(s) responsible for the railway infrastructure on its territory shall participate in the management board set up pursuant to paragraph 2 of this Article. It shall notify without delay the Commission and the other Member States participating in the freight corridor concerned of its decision.

(ad) the following paragraph 2a is added:

Ireland may decide that the representatives of its authorities and the infrastructure manager(s) responsible for the railway infrastructure on its territory shall not participate in the executive board and/or in the management board set up pursuant to paragraphs 1 and 2 of this Article. Ireland shall notify without delay the Commission and the other Member States participating in the freight corridor concerned of its decision.

In that case, the authorities and the infrastructure manager(s) concerned shall cooperate with the executive board and the management board where necessary for the execution of the functions of those boards.

Ireland may, at any time thereafter decide that the representatives of its authorities and the infrastructure manager(s) responsible for the railway infrastructure on its territory shall participate in the executive board and/or the management board set up pursuant to paragraphs 1 and 2 of this Article. It shall notify without delay the Commission and the other Member States participating in the freight corridor concerned of its decision.

(ae) paragraph 4 is replaced by the following:

The executive board shall take its decisions on the basis of mutual consent of the representatives of the authorities of the Member States concerned participating in that board.

(af) paragraph 5 is replaced by the following:

- ‘5. The management board shall take its decisions, including decisions regarding its legal status, the establishment of its organisational structure, resources and staffing, on the basis of mutual consent of the infrastructure managers concerned participating in that board. The management board may be an independent legal entity. It may take the form of a European economic interest grouping within the meaning of Council Regulation (EEC) No 2137/85 of 25 July 1985 on the European Economic Interest Grouping (EEIG).’

(ag) in paragraph 6, the reference to “Article 4(2) of Directive 91/440/EEC” is replaced by a reference to “Article 4(2) of Directive 2012/34/EU”.

(b) paragraph 7 is replaced by the following:

- ‘7. The management board shall set up an advisory group made up of managers and owners of the terminals of the freight corridor including, where necessary, sea and inland waterway ports. This advisory group may issue an opinion on any proposal by the management board which has direct consequences for investment and the management of terminals. It may also issue own-initiative opinions. The management board shall take any of these opinions into account. In the event of disagreement between the management board and the advisory group, the latter may refer the matter to the executive board. The executive board shall inform European Coordinator concerned and shall act as an intermediary and issue an opinion on the matter in due time. The European Coordinator concerned may also issue an opinion on the matter in due time. The final decision however shall be taken by the management board.’

(c) in paragraph 8, the following sentence is added:

‘In the event of disagreement between the management board and the advisory group, the latter may refer the matter to the executive board. The executive board shall inform the European Coordinator and the regulatory bodies referred to in Article 55 of Directive 2012/34, concerned by the freight corridor. The executive board shall act as an intermediary and issue an opinion on the matter in due time. The European Coordinator concerned may also issue an opinion on the matter in due time. The final decision shall be taken by the management board.’

(d) the following paragraph 10 is added:

- ‘10. The executive board and the management board shall cooperate with the European Coordinator concerned by the freight corridor to support the development of rail freight traffic along the corridor.’

(7) Article 9 is replaced by the following:

Article 9

Measures for developing the freight corridor

1. The management board shall draw up and publish an implementation plan at the latest six months before making the freight corridor operational. The management board shall consult the advisory groups referred to in Article 8(7) and 8(8) on the draft implementation plan. The management board shall submit the implementation plan for approval to the executive board.

This plan shall include:

- (a) a description of the characteristics of the freight corridor, including bottlenecks, and the programme of measures necessary to improve its organisation and management;
- (b) the essential elements of the study referred to in paragraph 3;
- (c) the objectives for the freight corridors, in particular in terms of performance of the freight corridor expressed as the quality of the service and the capacity of the freight corridor in accordance with the provisions of Article 19 of this Regulation, and, where relevant, quantitative or qualitative targets relating to these objectives. The objectives and the targets shall take into account the requirements set out in Article 12a of this Regulation;
- (d) the measures to implement the provisions of Articles 12 to 19 and the measures to improve the performance of the freight corridor, based on the results of the assessment referred to in Article 19(3), with a view to achieve the objectives and targets referred to in point (c).
- (e) the views and assessment of the advisory groups referred to in Article 8(7) and 8(8) with respect to corridor development.
- (f) a summary of the cooperation and the results of the consultation referred to in Article 11, including the opinions of the advisory groups referred to in Articles 8(7) and 8(8) and a summary of the responses of other stakeholders.

When drawing up the implementation plan, the management board shall take into account the objectives and measures contained in the work plan of the European Coordinator, referred to in Article 53 of Regulation [... new TEN-T Regulation]. The implementation plan shall include a reference to the elements of the work plan which are relevant for rail freight traffic along the corridor.

The management board shall regularly review and adjust the targets referred to in point (c) and the measures referred to in point (d), based on the assessment referred to in Article 19(3) following the consultation of the advisory groups referred to in Article 8(7) and 8(8) and the European Coordinator.

2. The management board shall periodically, at least every four years, review the implementation plan taking into account progress made in its implementation, the rail freight market on the freight corridor and performance measured in accordance with the objectives referred to in point (c) of paragraph 1.
3. The management board shall carry out and periodically update a transport market study relating to the observed and expected changes in the traffic on the freight corridor, covering the different types of traffic, both regarding the transport of freight and the transport of passengers. This study shall also review, where necessary, the socio-economic costs and benefits stemming from the development of the freight corridor.
4. The implementation plan shall take into account the development of terminals, including the market and prospective analysis on multimodal freight terminals as well as the action plans of the Member States of the freight corridor, referred to in Article 35(3) and (4) of Regulation [... new TEN-T Regulation].
5. The management board shall, as appropriate, take measures to cooperate with regional and/or local administrations in respect of the implementation plan.’

(8) Article 11 is replaced by the following:

‘Article 11

Investment planning

1. The executive board and the management board of a freight corridor shall cooperate with the European Coordinator concerned by the freight corridor in relation to the infrastructure and investments needs resulting from the rail freight traffic to support the drawing up of the work plan referred to in Article 53 of Regulation (EU) [... new TEN-T Regulation].
2. The management board shall consult the advisory groups referred to in Articles 8(7) and 8(8) on infrastructure development and investment needs. The consultation shall be based on an adequate, up-to-date documentation of the infrastructure planning at corridor and national level. Opinions by the advisory groups on investment shall be substantiated with sufficient justification. The executive board shall ensure adequate coordination between these consultation activities and the coordination mechanisms at national level as defined in Article 7e of Directive 2012/34/EU.
3. The cooperation and the consultation shall address in particular:
 - (a) capacity needs of rail freight transport relevant for infrastructure and investment planning, in particular as regards freight trains with a length of no less than 740 m, taking into account the need for capacity pursuant to Article 14(2) and any infrastructure declared congested pursuant to Article 47 of Directive 2012/34/EU;
 - (b) TEN-T infrastructure requirements relevant for rail freight transport as defined in Chapters II and III of Regulation (EU) [... new TEN-T Regulation];
 - (c) need for targeted investments to remove local bottlenecks, improvements to nodes and rail access routes or technical equipment enhancing operational performance.’

(8a) A new Article 12a is added:

‘Article 12a

Operational requirements for the Rail Freight Corridors

1. The executive board in close cooperation with management board shall make all the possible efforts to ensure that, by 31 December 2030, the quality of services provided to railway undertakings and technical and operational requirements for infrastructure use do not prevent the operational performance of rail freight services along the freight corridors from meeting the following target values:
 - (a) for each internal cross-border section the dwelling time of all freight trains crossing the border between two Member States does not exceed ~~25~~ 20 minutes on average, except at the sections where a change of track gauge takes place or where the checks carried out at a border where the controls have not yet been lifted on trains in application of point 1.2 of Annex VI of Regulation (EU) 2016/399⁷⁰ do not allow for this time-limit to be complied with. Dwelling time of a train on a cross-border section means the total additional transit time that can be attributed to the existence of the border crossing, irrespective of procedures or considerations of infrastructural, operational, technical and administrative nature. Dwelling time does not include the time that cannot be attributed to the border crossing, such as operational procedures carried out in facilities located in the proximity of the border crossing but not intrinsically related to it;

⁷⁰ Regulation (EU) 2016/399 of the European Parliament and of the Council of 9 March 2016 on a Union Code on the rules governing the movement of persons across borders (Schengen Borders Code) OJ L 77, 23.3.2016, p. 1–52.

- (b) at least 75% of the freight trains crossing at least one border of a freight corridor arrive at their destination, or at the external Union border if their destination is outside the Union, at their scheduled time or with a delay of less than 30 minutes by reasons that are attributable to the infrastructure manager(s) of the Union. Delays occurred in and attributable to third countries that are crossed by freight trains shall not be taken into account.

2. Deleted.

(8b) Article 13 is amended as follows:

- (a) in paragraph 3, the reference to “Directive 2001/14/EC” is replaced by a reference to “Directive 2012/34/EU”
- (b) in paragraph 4:
- the reference to “Article 14(2) of Directive 2001/14/EC” is replaced by a reference to “Article 7(2) of Directive 2012/34/EU”;
 - the reference to “Article 13 and Chapter III of that Directive” is replaced by a reference to “Article 38 and Chapter IV, Section 3, of that Directive”.

(8c) Article 14 is amended as follows:

- (a) in paragraph 1, the reference to “Article 14(1) of Directive 2001/14/EC” is replaced by a reference to “Article 39 of Directive 2012/34/EU”
- (b) in paragraph 3:
- the reference to “Article 15 of Directive 2001/14/EC” is replaced by a reference to “Article 40 of Directive 2012/34/EU”;
 - the reference to “Annex III of Directive 2001/14/EC” is replaced by a reference to “Annex VII of Directive 2012/34/EU”.
- (c) in paragraph 5, the reference to “Article 23 of Directive 2001/14/EC” is replaced by a reference to “Article 48 of Directive 2012/34/EU”.

(d) in paragraph 8, the reference to “Article 19(1) of Directive 2001/14/EC” is replaced by a reference to “Article 44(1) of Directive 2012/34/EU”;

(e) in paragraph 10, the reference to “Article 14(2) of Directive 2001/14/EC” is replaced by a reference to “Article 7(2) of Directive 2012/34/EU”.

(8c) In Article 15:

- the reference to “Article 16(1) of Directive 2001/14/EC” is replaced by a reference to “Article 41(1) of Directive 2012/34/EU”;

- the reference to “Article 10(5) of Directive 91/440/EEC” is replaced by a reference to “Article 28 Directive 2012/34/EU”;

(8d) In Article 17(2), the reference to “Article 3 of Directive 2001/14/EC” is replaced by a reference to “Article 27 of Directive 2012/34/EU”.

(8e) In Article 18, point a), the reference to “Article 3 of Directive 2001/14/EC” is replaced by a reference to “Article 27 of Directive 2012/34/EU”.

(9) Article 19 is replaced by the following:

Article 19

Quality of service on the freight corridor

1. The management board of the freight corridor shall promote compatibility between the performance schemes along the freight corridor, as referred to in Article 35 of Directive 2012/34/EU.

2. The management board shall monitor the performance of services provided by the infrastructure managers to applicants in fulfilment of their essential functions, as far as in the scope of Articles 12 to 18, and of rail freight services on the freight corridor. Performance monitoring shall be carried out in qualitative and quantitative terms, where appropriate based on performance indicators relating to the objectives and targets of the freight corridor defined in accordance with point (c) of Article 9(1). The management board shall consult the advisory groups referred to in Article 8(7) and 8(8) and the European Coordinator on relevant performance indicators.
3. The management board shall assess the results of the performance monitoring with respect to the objectives and targets defined in accordance with point (c) of Article 9(1) and to the operational requirements referred to in Article 12a.
4. The management board shall prepare and publish an annual report presenting the results of the activities carried out pursuant to this Article. It shall present the views and assessment of performance by the advisory groups referred to in Article 8(7) and 8(8) in a dedicated section of the report. The management board shall submit the annual report for approval to the executive board.'

(9a) Article 20 is amended as follows:

(a) In paragraph 1:

- the reference to “Article 30 of Directive 2001/14/EC” is replaced by a reference to “Article 55 of Directive 2012/34/EU”;
- the second sentence is replaced by the following: “In particular, they shall ensure non-discriminatory access to the corridor and shall be responsible for the appeal provided for under 56(1) of that Directive.”

(b) In paragraph 6, the reference to “Article 15(1) of Directive 2001/14/EC” is replaced by a reference to “Article 40(1) and (2) of Directive 2012/34/EU.

(9b) Article 21 is deleted.

(10) Articles 22 and 23 are replaced by the following:

‘Article 22

Monitoring implementation

Every four years from the time of the establishment of a freight corridor, the executive board referred to in Article 8(1) shall present to the Commission the results of the implementation plan for that corridor. The Commission shall analyse those results and notify the Committee referred to in Article 62 of Directive 2012/34 of its analysis.’

Article 23

Report

The Commission shall periodically examine the application of this Regulation. It shall submit a report to the European Parliament and the Council, at the latest two years after entry into force of this Regulation and every four years thereafter.’

(11) the Annex to this Regulation is deleted.

Article 66

Repeal

Regulation (EU) No 1315/2013 is repealed with effect from [date of entry into force of this Regulation].

References to the repealed Regulation (EU) No 1315/2013 shall be construed as references to this Regulation and shall be read in accordance with the correlation table in Annex VII.

Article 67

Entry into force

This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Strasbourg,

For the European Parliament
The President

For the Council
The President
