

Resolution

following the outcome of the Round Table «Efficient Transport and Logistics Infrastructure for Mobility»

at the International Conference «Digital Technologies in Logistics and Infrastructure» ICDT – 2021

November 25, 2021

The effectiveness of international cooperation between transport and logistics organizations and their interaction with companies in other industries directly depends on the development and implementation of the potential of new digital technologies that transform business processes in the field of transport and logistics. The digital transformation of the transport and logistics sector leads to the emergence of new drivers of competitiveness and leadership strategies.

Nowadays, the ever wider application of digital technologies is present in various areas of the transport and logistics sector: modern digital solutions in maritime and railway logistics, port and road infrastructure; in the oil and gas complex and in the nuclear power industry; in managing transport processes, technologies of autonomous sea vessels; electronic document management, smart contracts and digital ecosystems of logistics in general. The use of digital technologies, automation and robotization of processes should ensure increased mobility and connectivity of the economic space, the implementation of a digital, integrated value proposition in the supply of goods and services, ensuring the speed, flexibility, availability of required services and efficiency of business processes.

Careful consideration of the issues brought up for discussion showed that the business landscape in the transport and logistics industry is highly heterogeneous; organizations understand and respond to the challenges of digital transformation in different ways, they have varying levels of awareness of the need for digital technologies, motivation, and readiness to invest in digital technologies.

On the one hand, there is a demand for the introduction of the latest digital technologies by companies in the transport and logistics sector, the creation of digital ecosystems of logistics, allowing them to build a joint network of suppliers and customers, ensuring the speed and optimal cost of transportation. The more diverse the network interaction, the higher the network effects for its participants. Regulatory and state control bodies are also interested in the creation of such ecosystems as a tool for traceability and transparency of material, financial and information flows.

On the other hand, it is important to note the lack of awareness of small and medium-sized businesses of the benefits of digital transformation, since such enterprises often do not have the material and intellectual resources to adequately assess the situation and introduce modern digital technologies. In that regard, international experience

in creating digital competence centers for small and medium-sized businesses can create a reliable basis for digital transformation of the transport and logistics sector.

The active use of digital technologies is hindered by the departmental and cross-sectoral disunity of interaction between the participants in the transportation process and regulatory and control authorities, the separation of new business practices from the existing regulatory and legislative framework, and insufficient study of international experience in this area.

The expected positive effects from the implementation of platforms, as well as the experience of other countries around the world in the creation and practical application of digital platforms in the process of transport and logistics activities, determine the feasibility of applying a platform approach to the digitalization of the transport sector of the Russian Federation. Digital platforms of the Russian transport sector should provide B2B, B2G, G2G information exchanges at the local, regional and national levels and support the participants of the business ecosystem, both the companies and government agencies. In addition to e-commerce and online booking, cargo monitoring, modeling of transport processes, digital platforms should provide the capabilities of a «single window» system. «Single Window» is defined as a system that allows parties involved in trade and transport to register standardized information and documents with a single-entry point in order to comply with all regulatory requirements related to import, export and transit. The created digital transport sector platform should become a kind of integrated multimodal environment of transport and logistics services in the Russian Federation.

Infrastructural connectivity of the economic space, the development of a network ecosystem of cooperation, customer focus, exchange of technologies and competencies are of no less importance in ensuring the mobility of supplies. Consistent work is needed to strengthen relationships with international partners and study the experience in the digital transformation of logistics, emerging tools and opportunities. The standards and best practices currently developed allow not only digitizing paper documents and eliminating bottlenecks in the transport infrastructure but introducing effective transport and logistics management based on the latest digital technologies and creating digital business models.

Participants of the «Efficient Transport and Logistics Infrastructure for Mobility» Round Table suggest:

1. To provide scientific and technical support for the Russian-German initiative «Mobility», aimed at the dissemination of digital technologies in the transport and logistics infrastructure.
2. To take part in the creation of an integrated digital platform for the transport sector of the Russian Federation on the basis of a project approved by the Ministry of Transport of the Russian Federation in accordance with the Program of the Digital Economy of the Russian Federation adopted by the Government of the Russian

Federation. To propose a developed digital platform for uniting suppliers and customers of the transport and logistics sector in the exchange of goods, services and information.

3. To invite the Russian Union of Industrialists and Entrepreneurs, the Russian-German Chamber of Commerce to support the proposed draft Concept «Mobility of International Trade services and Supply Networks based on Industry 4.0 technologies» within the framework of the Russian-German Initiative «Mobility» and the Agreement on Cooperation and Partnership on Mobility between the Russian Union of Industrialists and Entrepreneurs and the Russian-German Chamber of Commerce, signed at the St. Petersburg International Economic Forum on 02.06.2021.

4. The university community of St. Petersburg and Hamburg, together with business companies, to organize the development of innovative projects on digital mobility technologies in logistics and infrastructure; the development of value chains with the implementation of Industry 4.0 within the framework of the Russian-German cross-year «Economy and Sustainable Development 2020-2022»; the development of supply chains and creating value for the client; infrastructure provision of spatial connectivity of territories; the formation of human resources for work in Industry 4.0.

5. To develop a common training platform to the acquisition of competencies necessary for working in Industry 4.0 for university students. To consider the elimination of digital illiteracy as the primary task of forming the mobility staff of the future. To organize a series of "round tables" to discuss issues of education and training in the field of logistics.