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DOMESTIC AND FOREIGN EXPERIENCE OF INTELLIGENT TECHNOLOGIES APPLICATION IN CUSTOMS AUTHORITIES

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Abstract. This article analyzes the experience of using artificial intelligence technologies in the Russian Federation customs authorities and in the foreign countries' customs authorities such as China, the United States of America, Latvia, Finland, Estonia, Turkey, Australia and Japan. A comparative analysis of the intellectual technologies used by the customs authorities has been carried out. The main areas of artificial intelligence usage in Russia and other countries are highlighted, and the main currently used technical means with artificial intelligence elements in customs authorities are identified. The author calculated the intellectualization degree of customs processes in Russia and foreign countries. The potential for creating a “smart” gate in the Russian Federation similar to the United States or Australia has been assessed. This article draws conclusions about the possibility of adopting foreign experience of intellectual technologies using in the field of customs authorities' activities in order to increase the efficiency of customs control and speed up customs operations.

Keywords: artificial intelligence; intelligent technologies; Federal Customs Service; customs control; inspection complex; intelligent checkpoint; international experience; prototyping.

JEL codes: O32; P48; F42.

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