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IDENTIFICATION AND MINIMIZATION OF THE NEGATIVE CRISIS CONSEQUENCES ON THE MICROCIRCUIT MARKET FOR THE SERVICE SECTOR

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Abstract. The features of the development and the impact on the economy of the microcircuit global crisis during the pandemic are characterized. The negative consequences of the crisis for the tertiary sector of the economy - the service sector, are shown, due to modern trends in the digital transformation of education, healthcare, tourism, utilities and financial sectors, depending on the provision of electronic components. It has been established that for the Russian market the global crisis of microcircuits is exacerbated by dependence on imports and the lack of microchips smaller than 10 nm, which ensure the speed and quality of electronic means. The degree of use by companies in the service sector of cloud computing, specialized platforms, geographic information systems, complexes for processing big data, as well as high-tech equipment is presented. Methods are proposed for reorienting Russia to new contractors in the short term to minimize the consequences of the crisis in the microcircuit market. The strategic necessity of creating complete chains from the development of microcircuits to the production of final products in the domestic market through cluster and public-private partnerships, targeted state support is substantiated.

Keywords: microchip market; services sector; crisis; sanctions; digitalization; value chain; technological independence.

JEL codes: L16; L63; L80.

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