

SPACE TRANSPORTATION SOLUTIONS AND INNOVATIONS SYMPOSIUM (D2)
Launch Services, Missions, Operations and Facilities (2)

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LONG-TERM PREDICTION OF VOSTOCHNY COSMODROME DEVELOPMENT IN SUPPORT OF
SPACE ACTIVITY OF RUSSIA AND INTERNATIONAL COOPERATION

Abstract

At present Russia builds the Vostochny Cosmodrome with its putting into operation in 2015. At the same time the necessity for maintaining and developing Russia's space activity and international cooperation in space makes it necessary to make a long-term prediction of the Vostochny development. The systematic research aimed at preparing the long-term prediction of Vostochny utilization in terms of many factors foreruns the fulfillment of design works and serves to identify the essential requirements to its future architecture and main characteristics. The systematic research enables to develop and validate the technical requirements to the architecture and composition of space facilities on the whole and their individual components, preliminary selection of their parameters and deployment conditions at the Vostochny Cosmodrome for the benefit of space activity development of Russia and international partnership. The Report contains the main factors determining the necessity and rationale of the new cosmodrome development within the territory of Russia, its main objectives and tasks in support of space activity of Russia and international cooperation for the near-term and long-term future. The guidelines of and approaches to prediction of the Cosmodrome and its ground space architecture development for the benefit of the future space activity of Russia and international cooperation are presented.