

SPACE TRANSPORTATION SOLUTIONS AND INNOVATIONS (D2)
Launch Vehicles in Service or in Development (1)

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STATUS OF THE DEVELOPMENT OF EVOLVED UPPER-MEDIUM CLASS LAUNCH VEHICLE
(ELV)

Abstract

This presentation covers general issues related to the development of the Evolved Launch Vehicle (ELV), which will be used at "Vostochny" launch site in order to launch new-generation crew vehicles, cargo vehicles and orbital modules to LEO; automated spacecrafts - to LEO, MEO, HEO and GSO; and exploration spacecrafts - to escape trajectories. Results of preliminary RD works on ELV (1st stage - LOX-kerosene, 2nd stage - LOX-LH) are presented. With current state of RD works and production capabilities the inaugural flight can be done on 2015, and first crew vehicle flight - on 2018.