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

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SOYUZ-2 MISSION ASSURANCE: RESULTS OF 2019 AND WAY FORWARD.

Abstract

GK* would like to contribute to the IAC 2020 by sharing an up-to-date overview of Soyuz family LVs by giving an oral presentation "Soyuz-2 mission reliability assurance: results and way forward" during the session Launch Vehicles in Service or in Development. Soyuz-2 launch vehicle is realizing missions from low-earth and geostationary orbits to escape trajectories to deep space missions to other planets and asteroids. During GK's presentation we will share an overview of activities that were implemented over the recent years to increase reliability of the Soyuz family LVs, such as: 1/ upgrade of control system components to ensure redundancy of executive commands; 2/ introduction of additional control system tests at the technical and launch complexes during the LV processing for early detection of anomalies. All these activities are aimed at increasing overall reliability of Soyuz-2 family LVs to ultimately deliver high quality launch services to customers.

*GK Launch Services is a commercial operator authorized to conclude and implement contracts for rendering launch services with the use of Soyuz-2 family launch vehicles from Russian spaceports. GK Launch Services was founded on 25th April 2017 as a joint venture of GLAVKOSMOS, a subsidiary of ROSCOSMOS State Space Corporation, and INTERNATIONAL SPACE COMPANY KOSMOTRAS.