

IAF SPACE OPERATIONS SYMPOSIUM (B6)
New Space Operations Concepts and Advanced Systems (2)

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COMMERCIAL SPACE MISSION SUPPORT CONTROL CENTER AND SUBORBITAL
SPACECRAFT SIMULATOR TO SUPPORT COMMERCIAL SPACE MISSIONS AND PASSENGERS
ACTIVITIES IN SPACE

Abstract

The era of space travel, where anyone can go to space, is coming to life. As a result, the needs for spaceflights and zero-g flights are increasing, and what customers want to do in the cabin is also diversifying. It is important to have mission control centers and space craft simulators to rehearse their missions repeatedly before real flight, and support the passengers' missions during real-time operations from ground. In this paper, the roles of commercial space mission support control center and sub-orbital spacecraft simulator to support passengers and Mission Commander (commercial mission support astronaut) are introduced.