

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

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DEVELOPMENT STATUS OF GROUND FACILITIES FOR JAPAN'S H3 LAUNCH VEHICLE

**Abstract**

JAXA and the Mitsubishi Heavy Industries (MHI) have started the joint development of the H3 Launch Vehicle that ensures Japan's sustainable access to space and bolsters its competitiveness in the satellite launch market. In the joint development program, JAXA is responsible for some key components for the launch vehicle, and the ground facilities including the launch range and complex. The improvement in operability and maintainability is an important criterion for the ground facilities to reduce H3 turnaround time and maintenance cost. The most important thing in the development is to harmonize the brand-new facilities, such as movable launcher and downrange system, with the remaining H-IIA/H-IIB facilities. This paper provides the current development status of the ground facilities for H3.