

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

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THE LATEST DEVELOPMENT STATUS OF H3

Abstract

The overarching goal of H3 is to provide the easy and frequently access to space for not only Japanese government, scientists, but also all customers in the world. To meet various worlds commercial satellite needs, the price of H3 should be verify flexibly, however, the “upgrade” could enhance its performance with some optional items. Therefore, Japanese government has decided to started development of the new launch vehicle, H3 in May 2013.

In order to respond to the high expectation of customers, MHI and JAXA has set the detailed development plan to achieve the H3 maiden flight in FY2020 that is the path to market. MHI has been playing key role in the H3 launch vehicle development with strong support from JAXA. In this program, MHI advances the development of H3 launch vehicle draw on rich experience as a developer, manufacture, operator, and launch service provider of H-II, H-IIA and H-IIB. JAXA, MHI and all of our partners have combined the wisdom of development team member to make a success of H3 project under extremely tight budget.

Now, some of development tests have been completed successfully and some test are ongoing. One of the important events of the H3 development test, the new 1st stage propulsion subsystem hot firing test will start soon.

The latest status of the H3 development is reported in this paper.