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

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THE FLIGHT RESULTS OF H3 AND NEXT STEP FOR INNOVATIVE SPACE TRANSPORTATION SYSTEM

Abstract

The H3, the next Japanese flagship launch vehicle, it's concept will provide easy and frequent access to space for not only Japanese government and scientists, but also for customers worldwide as well. The maiden flight of H3 has successfully launched with expected flight results(Planned). Now, H3 starts launch services customers all overt the world. The H3 advances while adapting customer demands, more multi satellite adaptability for constellation mission, more multi satellite adaptability for various customers, more launch capability for commercial space station mission, etc. The next step from H3 starts to be considered with the motivation to the Moon mission, adopting rapidly increasing launch demands. The goal is including manned transportation. This Innovative Space Transportation System aims to be launched in 2030 age. The demonstration flight of this precursor is planned around 2026. The Innovative Space Transportation System has enough launch capability to transport payload to the Gateway and the Moon surface. The higher launch rate and the less launch price will be enabled by reusability of 1st stage. In this paper, the flight results of H3 and next step for Innovative Space Transportation System are reported.