

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

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## CONCEPT OF H-III LAUNCH SYSTEM AS JAPANESE NEXT GENERATION LAUNCHER

**Abstract**

The concept of H-III launch system as the next generation Japanese primary launch system is presented. The goals of H-III is to acquire design and development technology for higher reliability which enables manned spaceflight, to make technology level highest in the world, and to improve launch system affordability and sustainability. The vehicle configuration candidates for H-III in discussion are presented. The research and development topics to meet the needs of H-III is presented.