

International Space Station Payload Analytical Integration Overview

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Abstract.

This paper contains a general description of the National Aeronautics and Space Administration (NASA) Space Station Payloads Office (SSPO) integration process for International Space Station (ISS) payloads. The end-to-end processes described herein covers the Increment and execute preparation, real-time operations and post-flight phases of payload integration. The paper describes the necessary agreements, plans, documents and reviews required to integrate and operate payloads into standard payload locations. It also summarizes the Program boards, panels and points of contact that a Payload Developer (PD) will participate in or interface with during the course of the process. The purpose is to provide potential PDs with an outline of the SSPO processes to deliver payloads to orbit, conduct science experiments on orbit and return them to Earth.