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# Payload Software Integration and Verification Facility (PSIVF) Overview

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# Payload Software Integration and Verification Facility (PSIVF) Overview



- PSIVF is located at MSFC, Building 4755
- PSIVF provides an emulation of the payload C&DH avionics architecture for payload software interface checkout
- Payload Developer Interaction with PSIVF
  - EXPRESS Laptop Computer Payload Application Software (PAS) is tested at PSIVF for compatibility (with other payload software) and interface verification
  - Environment is available to support EXPRESS Rack and EXPRESS Logistics Carrier payload software development testing
    - Interface to Huntsville Operations Support Center (HOSC) can be established to check out command and telemetry flow
    - Payload software functions performed by the PL MDM (Timeliner Scripts, Parameter Monitoring) can be simulated
    - Resolution or troubleshooting for On-Orbit payload software anomalies can be supported
- Planning for PSIVF testing can be coordinated by your Payload Integration Manager (PIM)
- PSIVF Point of Contact: Jill Travers, 256-961-2459





# Payload Software Integration and Verification Facility (PSIVF) Architecture

