

Space Systems & ISS Payload Operations

ISS Payload Operations



OPERATIONS OVERVIEW

- Operations Planning
- On orbit resource definition
- Concept of Operations Development.
- Ground Training
- Command Procedures
- Crew Training
- Crew Procedures
- Real Time Flight Operations
- Telescience Support Center (TSC)
- Payload/System Remote Command & Monitoring
- Data Management & Distribution
- Our Experience:
 - Real Time & Remote Operations
 - Build realistic operational timelines
 - Hands-on Crew Training
 - On Board Training (OBT) Training Products
 - Console Operator Certification & Training
 - Provide Commanding, Display, and Data Processing



ZIN provides operations support in the areas of payload planning and planning products, ground training for operators, flight rule definition, Ops TIMS and Real Time Operations.

Operations includes the many activities and products leading up to and including real time operations. The ZIN Team provides operations Planning Products: URC Inputs, OOS Review & Resource Planning, Operational Change Request (OCR) Generation & CoFR for Console Operations.

ZIN operates and maintains the NASA GRC Telescience Support Center (TSC). This facility can be used for the remote monitoring and command of systems and payloads aboard the ISS.



ZIN has extensive experience in crew training and crew procedures. Efficiencies are gained through the use of existing procedure templates and considerable in-house experience in crew training.

- ❑ Since 2001, ZIN has supported over 30,000 hours of continuous on orbit ISS operations
- ❑ On orbit operations support includes diverse microgravity experiments and ISS system monitoring 24 hours a day, 7 days a week when necessary.
- ❑ End-to-end mission operations support beginning with initial planning extending through crew and ground team training and culminating with on orbit operations
- ❑ Space operations are conducted locally at the GRC TSC. ZIN is capable of providing remote command and telemetry monitoring so that teams can operate their payloads or systems from their home institutions
- ❑ Operations support, consultation and issue resolution are available with experienced operations personnel 24 hours a day, 365 days per year.



ZIN Technologies



Voyager Space External Use
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