# International Space Station

## How to Get New Research Onto ISS

◄ **A 5-Phase Template** ►

ISS Research Integration Office
NASA/Johnson Space Center
March 2013

# How to Get New Research Onto ISS
## ◄ A 5-Phase Template ►
### *Summary*

**PHASE 1: SPONSORSHIP**

- Funding Sources
- Points of Contact

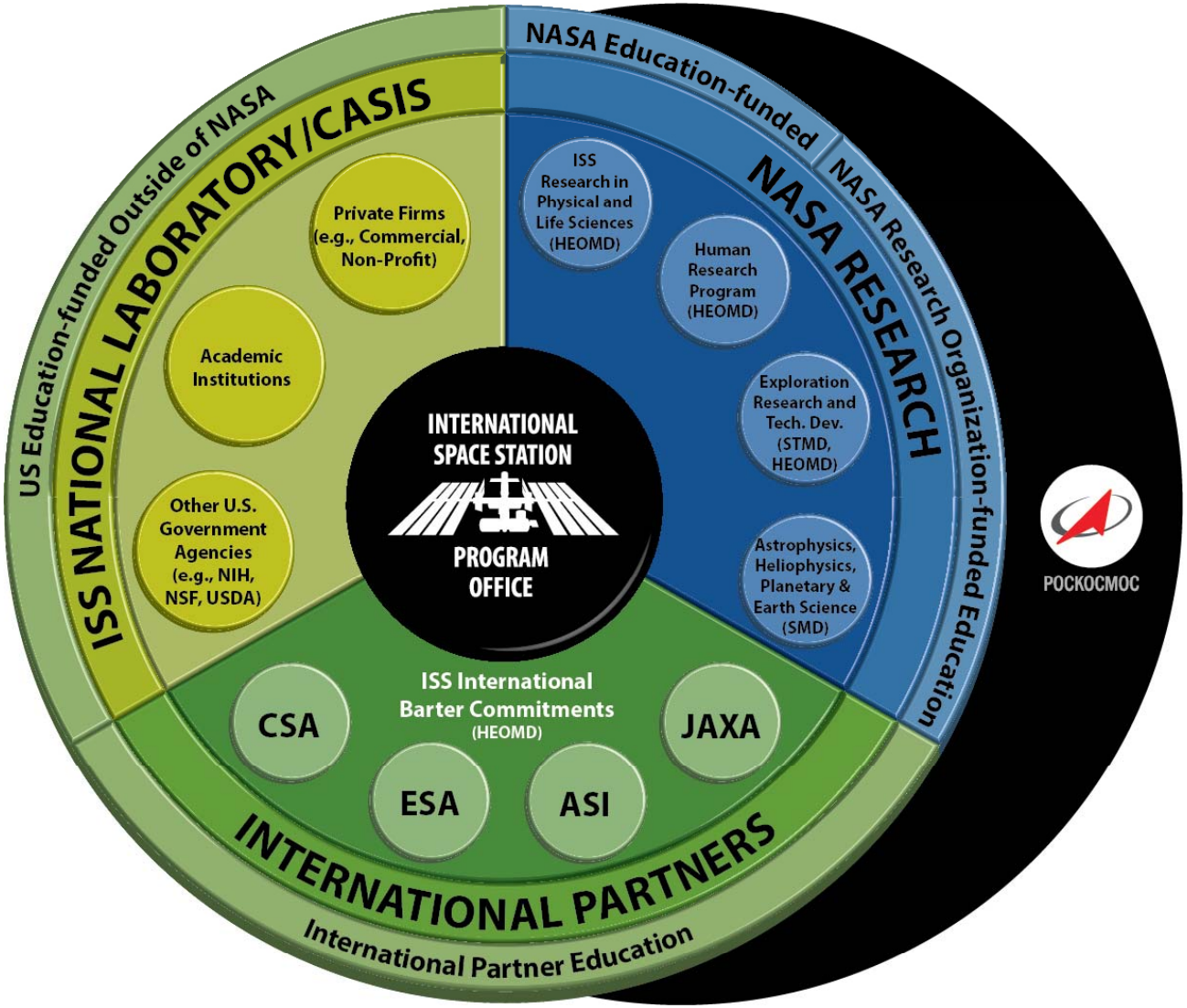
**PHASE 2: STRATEGIC PLANNING**

**PHASE 3: TACTICAL PLANNING**

**PHASE 4: OPERATIONS**

**PHASE 5: POST-FLIGHT**

# PHASE 1: SPONSORSHIP
## Funding Sources




**For more information on research sponsorship and funding, see:**
***http://www.nasa.gov/mission_pages/station/research/funding_information.html***

### (a) NASA Research

Grant opportunities and information in NASA Solicitation and Proposal Integrated Review and Evaluation System (NSPIRES) at *http://nspires.nasaprs.com/external/*

### (b) National Laboratory Research / The Center for the Advancement of Space in Science (CASIS)

The 2005 NASA Authorization Act designated the U.S segment of the space station as a national laboratory, enabling access by other Federal agencies, non-profits, and the private sector. Opportunities and information in CASIS' website at *http://www.iss-casis.org/*

### (c) Educational Activities

Both NASA Education and CASIS offer education opportunities and information at NASA: *http://www.nasa.gov/mission_pages/station/research/research_teacher.html* and at CASIS: *http://www.iss-casis.org/research.php*

### (d) International Partner Research

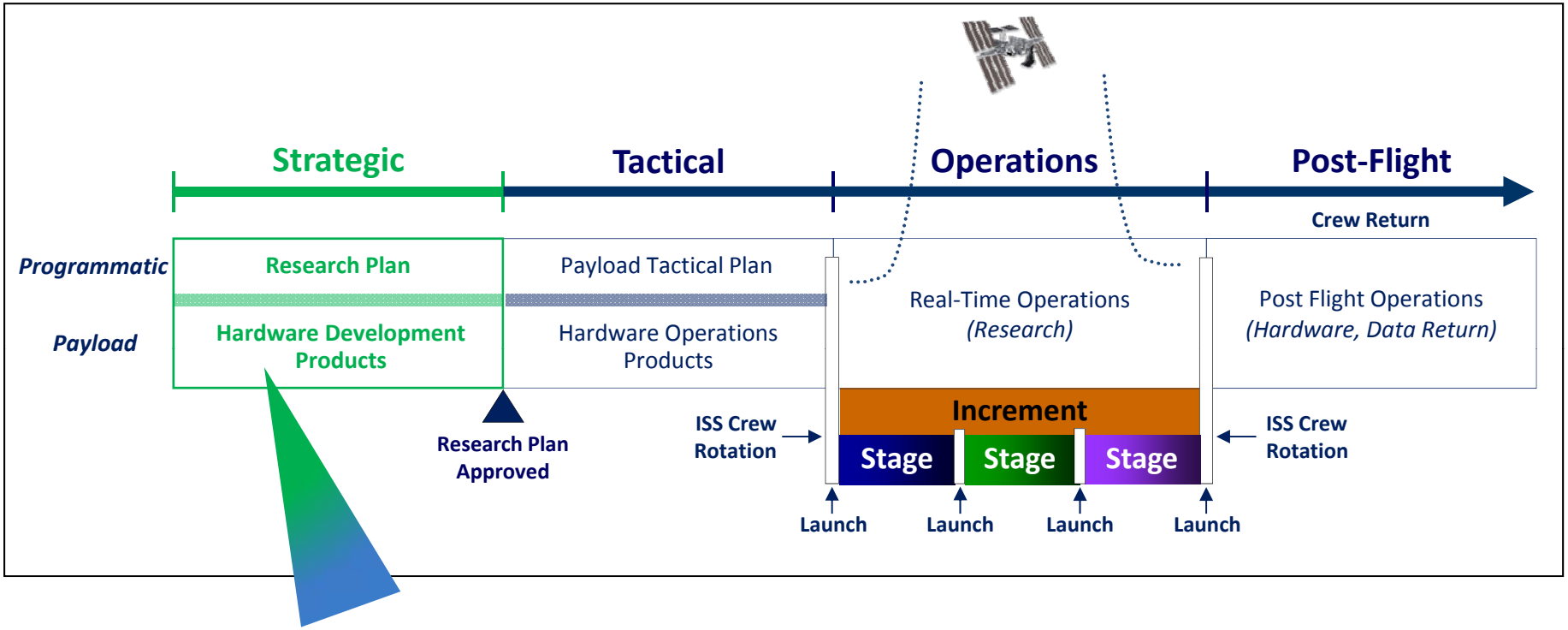
International investigators should seek sponsorship through their appropriate space agency.

*(Acronym list on last page of this presentation)*

# PHASE 1: SPONSORSHIP
## Points of Contact

| Sponsoring Organization *(Funding Source)* | Selecting Organization | ISS Integration Contact |
|---|---|---|
| NASA Life and Physical Sciences - Human Research Program *(NASA-funded)* | NASA: William Paloski | Cindy Haven, NASA/JSC |
| NASA Life and Physical Sciences<br>- Physical Science *(NASA-funded)*<br>- Space Biology *(NASA-funded)* | NASA: Marshall Porterfield | Sharon Conover, NASA/JSC |
| Astrophysics, Heliophysics, Space & Earth Sciences *(NASA-funded)* | NASA: Paul Hertz /<br>Selecting Division Director | Sharon Conover, NASA/JSC |
| Technology Demonstration *(NASA-funded)* | - NASA Space Technology Mission Directorate: Michael Gazarik<br>- NASA Advanced Exploration Systems: Jason Crusan | George Nelson, NASA/JSC |
| ISS National Laboratory *(Other government agency funded, non-profit / commercially funded)* | The Center for the Advancement of Space in Science (CASIS) | Michael Read, NASA/JSC |
| Education | - CASIS ISS Education: John Neubauer<br>- NASA ISS Education: Jane Gensler | - Michael Read, NASA/JSC<br>- Sharon Conover, NASA/JSC |

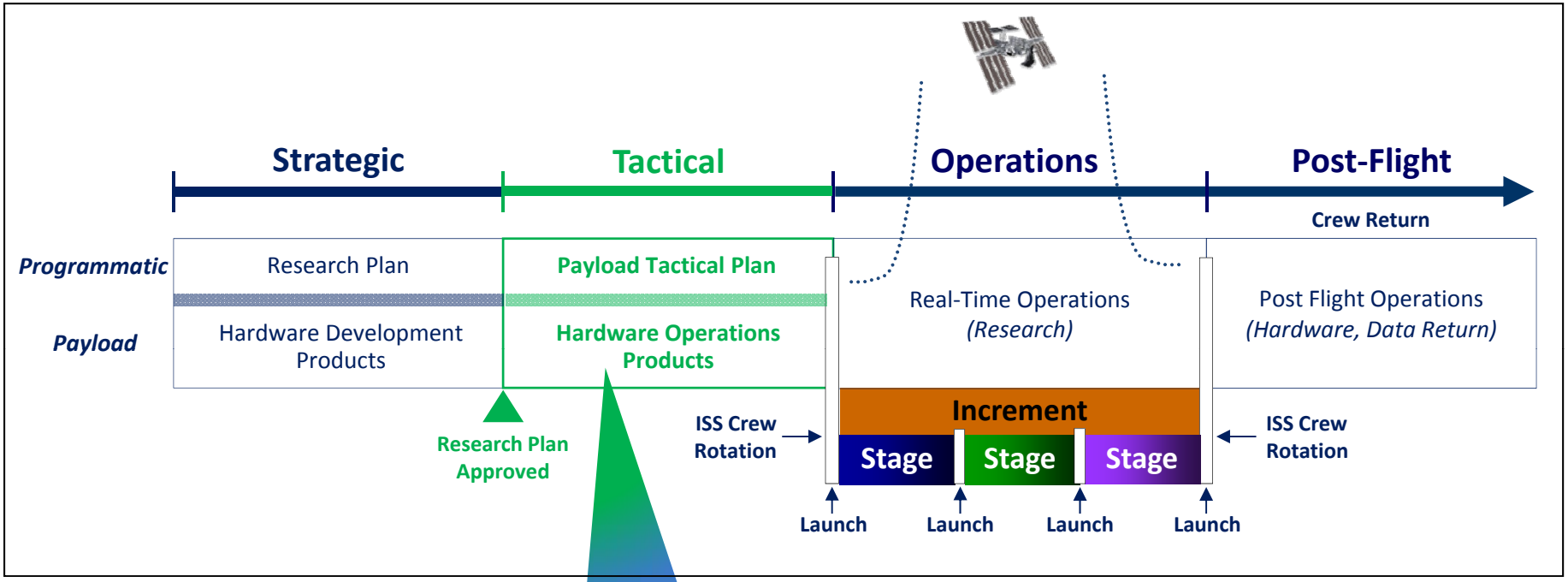
# PHASE 2: STRATEGIC PLANNING




*Payload Developer Inputs*

| | |
|---|---|
| WHO: | Points of Contact |
| WHAT: | Requirements Definition |
| WHEN: | Operations Plan |
| WHERE: | Launch and On-Orbit Requirements |
| WHY: | Investigation Objectives |

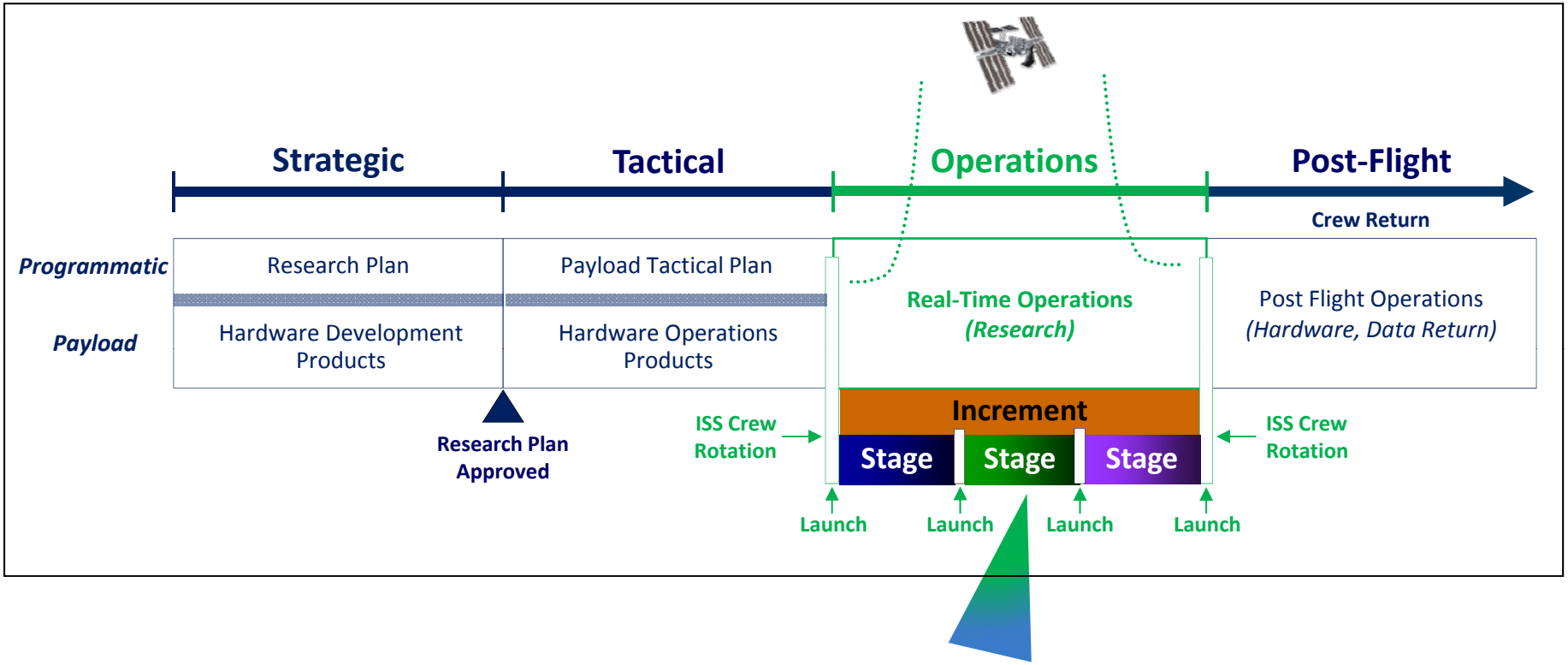
# PHASE 3: TACTICAL PLANNING




*Payload Developer Inputs*

- Changes to Baselined Research Plan
- Training Products and Procedures
- Safety Review Packages
- Hardware Verification Data
- Software Verification Data

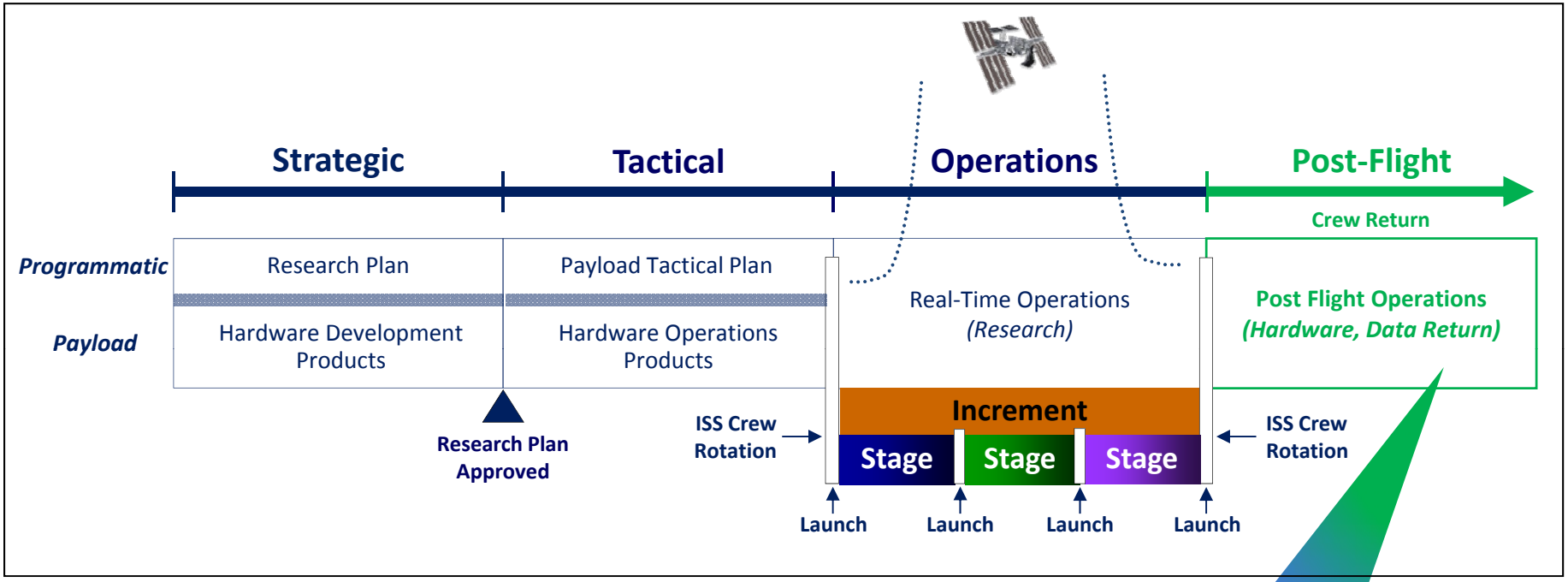
# PHASE 4: OPERATIONS




*Payload Developer Inputs*

- Investigator Participation Real-Time (e.g., Console Operations)
- Crew Conferences
- Anomaly Resolution
- Data Collection and Sample Return

# PHASE 5: POST-FLIGHT




*Payload Developer Inputs*

- Research Summary Updates
- 30-Day Reports
- Formal Publications

# ACRONYMS

| | | |
|---|---|---|
| AES | = | Advanced Exploration Systems |
| ASI | = | Agenzia Spaziale Italiana |
| CASIS | = | The Center for the Advancement of Space in Science |
| CSA | = | Canadian Space Agency |
| DoD | = | Department of Defense |
| ESA | = | European Space Agency |
| HEOMD | = | Human Exploration Operations and Mission Directorate |
| ISS | = | International Space Station |
| JAXA | = | Japan Aerospace Exploration Agency |
| JSC | = | Johnson Space Center |
| NIH | = | National Institutes of Health |
| NSF | = | National Science Foundation |
| NSPIRES | = | NASA Solicitation and Proposal Integrated Review and Evaluation System |
| OCT | = | Office of the Chief Technologist |
| SMD | = | Science Mission Directorate |
| STMD | = | Space Technology Mission Directorate |
| tbd | = | To be determined |
| Tech. Dev. | = | Technology Development |
| USDA | = | United States Department of Agriculture |