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

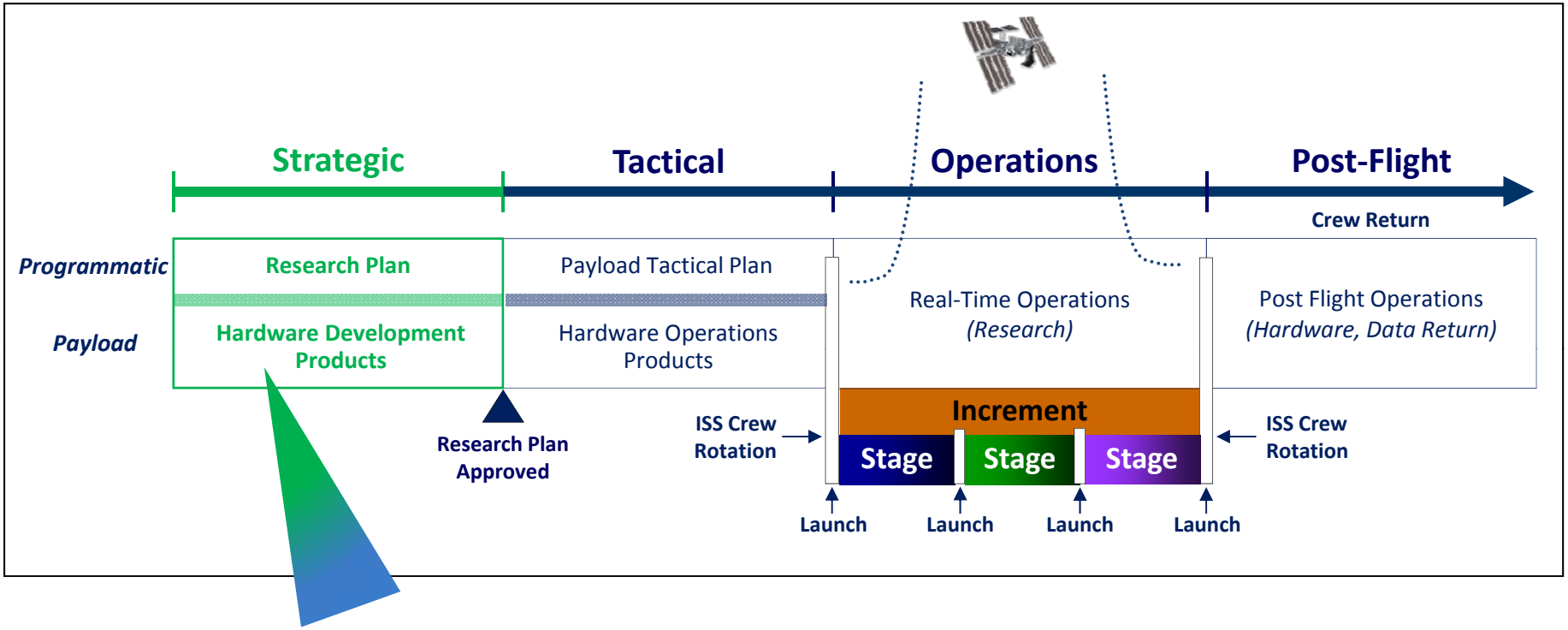
International investigators should seek sponsorship through their appropriate space agency.

(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 - Physical Science *(NASA-funded)* - Space Biology *(NASA-funded)*	NASA: Marshall Porterfield	Sharon Conover, NASA/JSC
Astrophysics, Heliophysics, Space & Earth Sciences *(NASA-funded)*	NASA: Paul Hertz / Selecting Division Director	Sharon Conover, NASA/JSC
Technology Demonstration *(NASA-funded)*	- NASA Space Technology Mission Directorate: Michael Gazarik - 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 - NASA ISS Education: Jane Gensler	- Michael Read, NASA/JSC - Sharon Conover, NASA/JSC

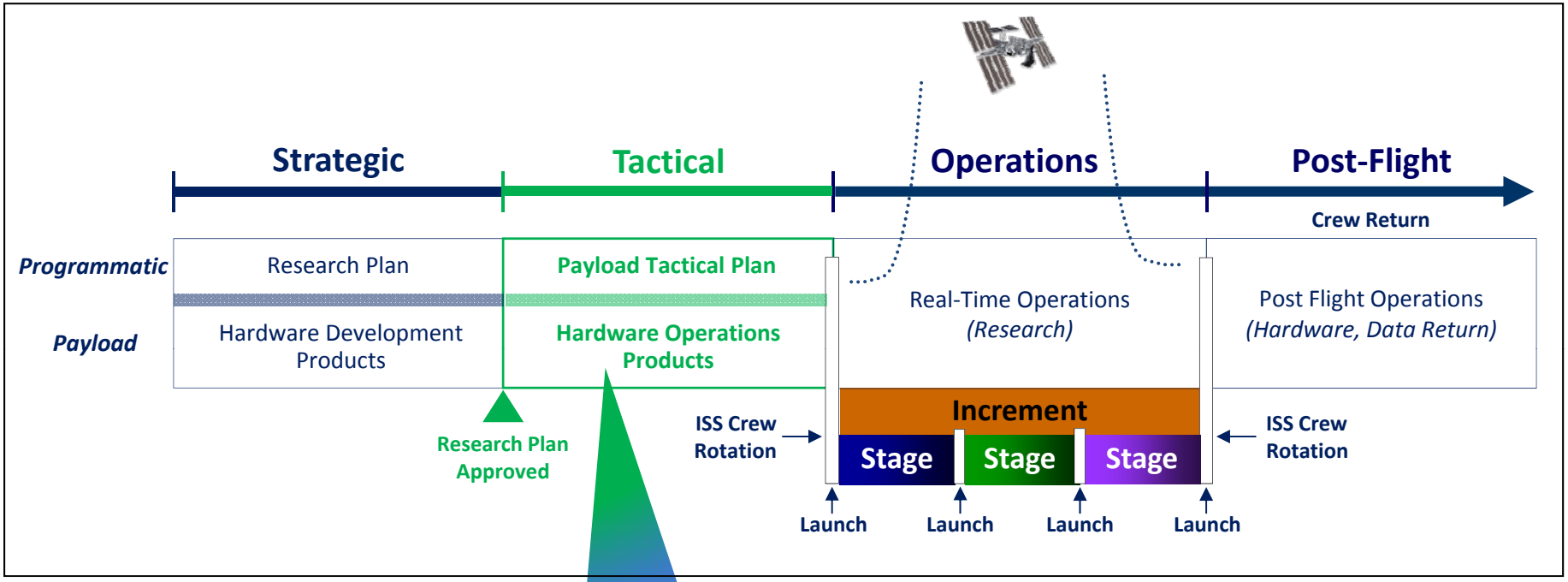
PHASE 2: STRATEGIC PLANNING



Payload Developer Inputs

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

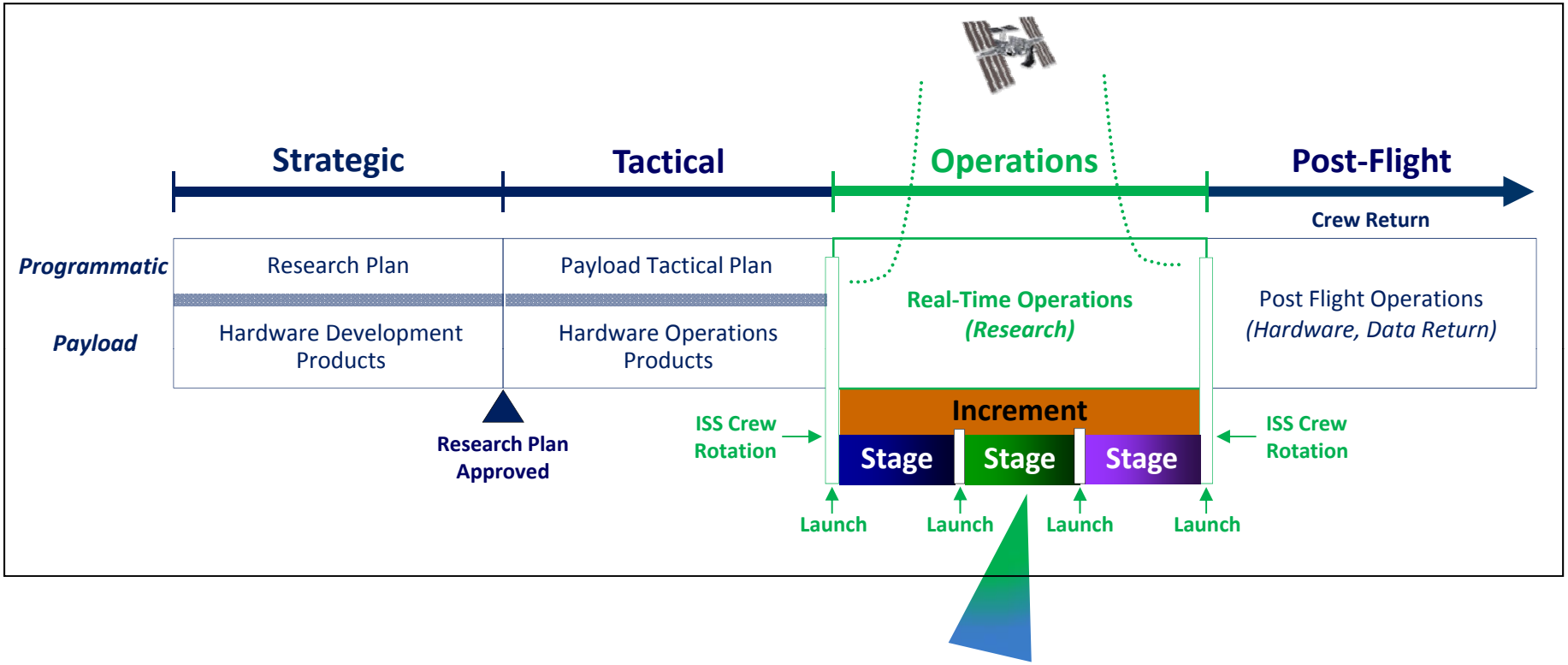
PHASE 3: TACTICAL PLANNING



Payload Developer Inputs

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

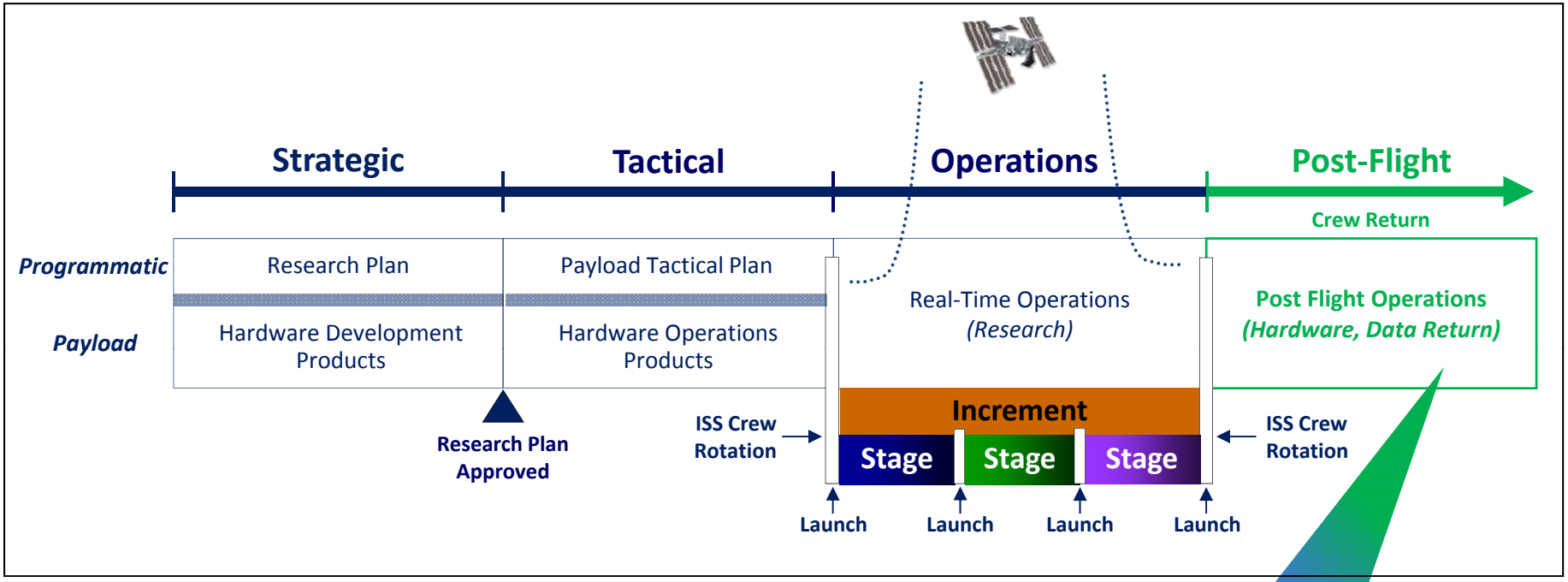
PHASE 4: OPERATIONS



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