International Space Station

How to Get New Research Onto ISS

◄ PROCESS ►

ISS Research Integration Office
Mission And Program Integration
NASA/Johnson Space Center
September 2015

How to Get New Research Onto ISS

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Summary

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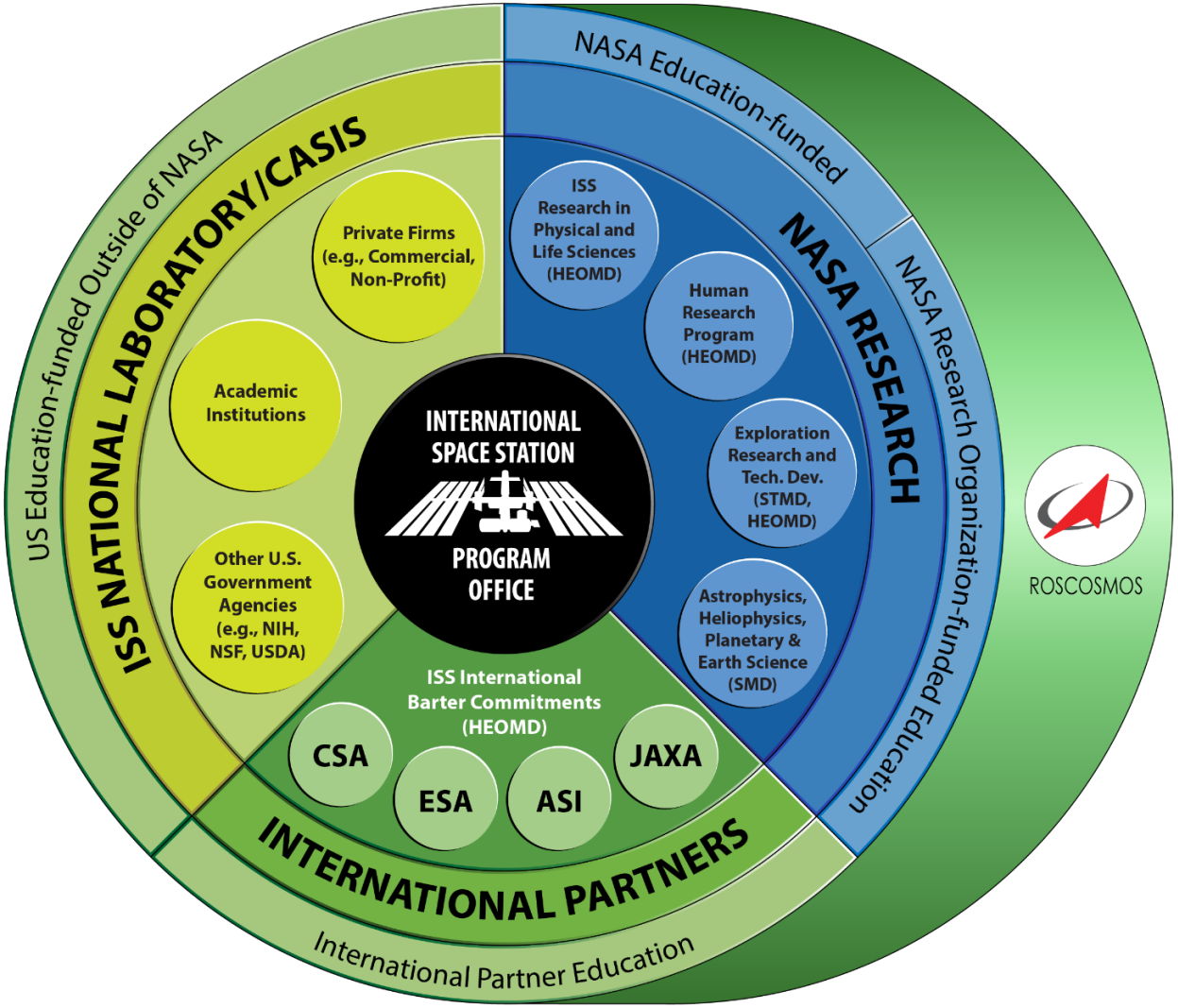
PHASE 1: SPONSORSHIP
Funding Sources



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

(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 *www.iss-casis.org/* and *www.spacestationresearch.com/research-on-station/opportunities/*

(c) Educational Activities

Both NASA Education and CASIS offer education opportunities and information at NASA: *www.nasa.gov/audience/foreducators/stem_on_station/index.html.* and at CASIS: *http://www.iss-casis.org/research.php, http://iss-casis.org/Education.aspx, http://casisacademy.org/*

(d) International Partner Research

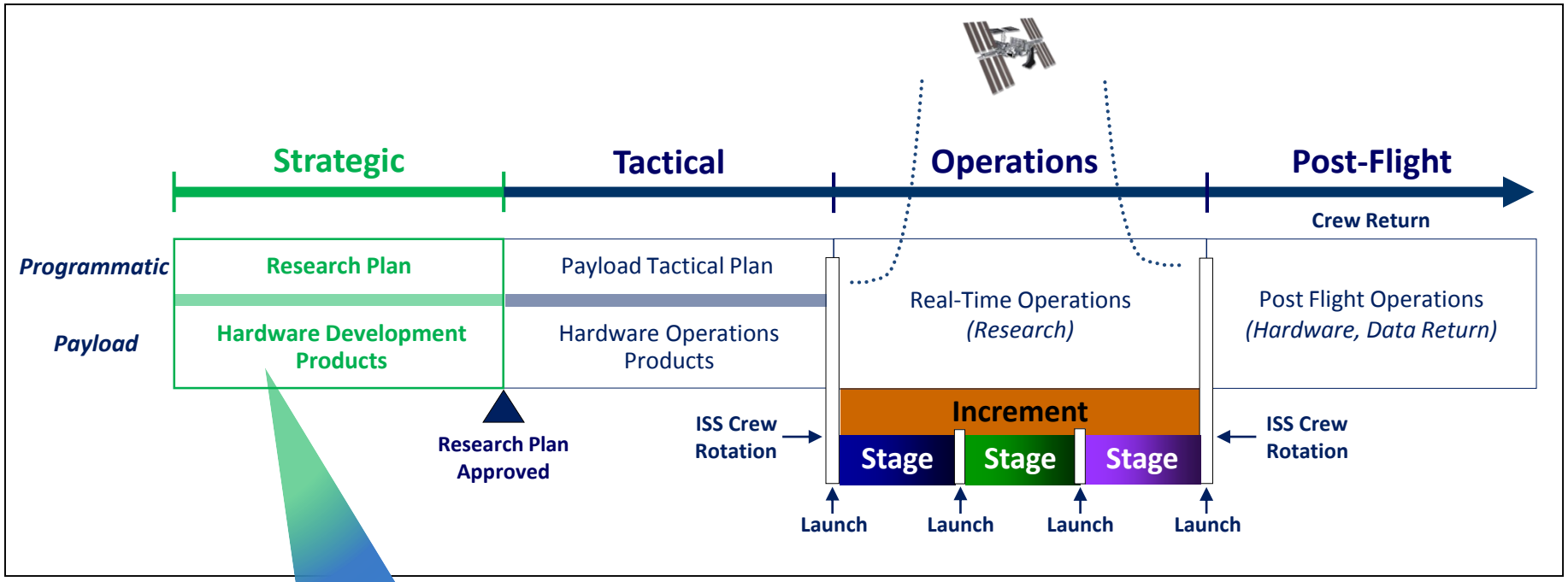
International investigators should seek sponsorship through their appropriate space agency.

(Acronym list on last page of this presentation)

PHASE 1: SPONSORSHIP
Points of Contact

SPONSORING ORGANIZATION Division or Program *(Funding Source)*	SELECTING ORGANIZATION Mission Directorate , Office, or Organization *- Contact*	ISS Integration Contact
NASA Space Life and Physical Sciences Research and Applications Division - Physical Science Research Program *(NASA-funded)* - Space Biology *(NASA-funded)*	**NASA Human Exploration Operations Mission Directorate** *Marshall Porterfield, Division Director, Life and Physical Sciences* *- Terry O'Malley, Program Manager, Physical Science* *- Francis Chiaramonte, Program Executive, Physical Science* *- Nicki Rayl, Program Manager, Space Biology* *- David Tomko, Program Executive, Space Biology* *- Mark Lee, Program Executive, Fundamental Sciences*	Sharon Conover, NASA/JSC
NASA Space Life and Physical Sciences Research and Applications Division - Human Research Program *(NASA-funded)*	**NASA Human Exploration Operations Mission Directorate** *- William Paloski, Program Manager, Human Research (JSC)*	Suzanne McCollum, NASA/JSC
NASA Astrophysics, Earth Science, Heliophysics, Planetary Science Divisions *(NASA-funded)*	**NASA Science Mission Directorate** *- Paul Hertz, Division Director, Astrophysics* *- Michael Freilich, Division Director, Earth Sciences* *- Jim Green, Division Director , Planetary Science* *- Jeffrey Newmark, Division Director, Heliophysics*	Sharon Conover, NASA/JSC
NASA Technology Development and Demonstration *(NASA-funded)*	**NASA Space Technology Mission Directorate** *- Trudy Kortes, Program Executive, Technology Demonstration Missions (STMD)* *- Ryan Stephan, Program Executive, Game Changing Development (STMD)* *- Andy Petro, Program Executive, Small Spacecraft and Solar Electric Propulsion (STMD)* **NASA Human Exploration Operations Mission Directorate** *- Jason Crusan, Division Director, Advanced Exploration Systems*	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)** *- Ken Shields, Director of Operations, CASIS*	Michael Read, NASA/JSC
NASA Education **ISS National Laboratory Education**	**NASA Office of Education** - ISS Education: *Education Project Manager (TBD)* **The Center for the Advancement of Space in Science (CASIS)** - ISS Education: *Ken Shields, Director of Operations, CASIS*	Sharon Conover, NASA/JSC Michael Read, NASA/JSC

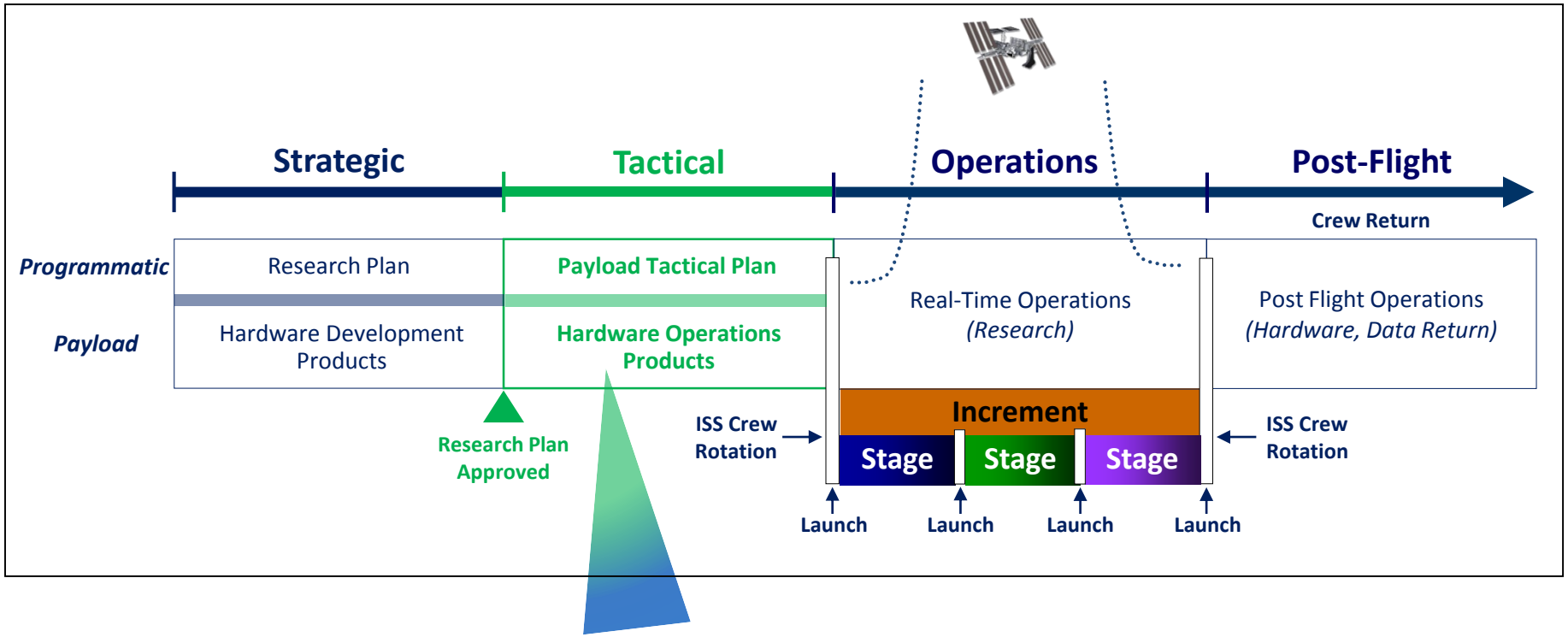
PHASE 2: STRATEGIC PLANNING



Payload Developer Inputs

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

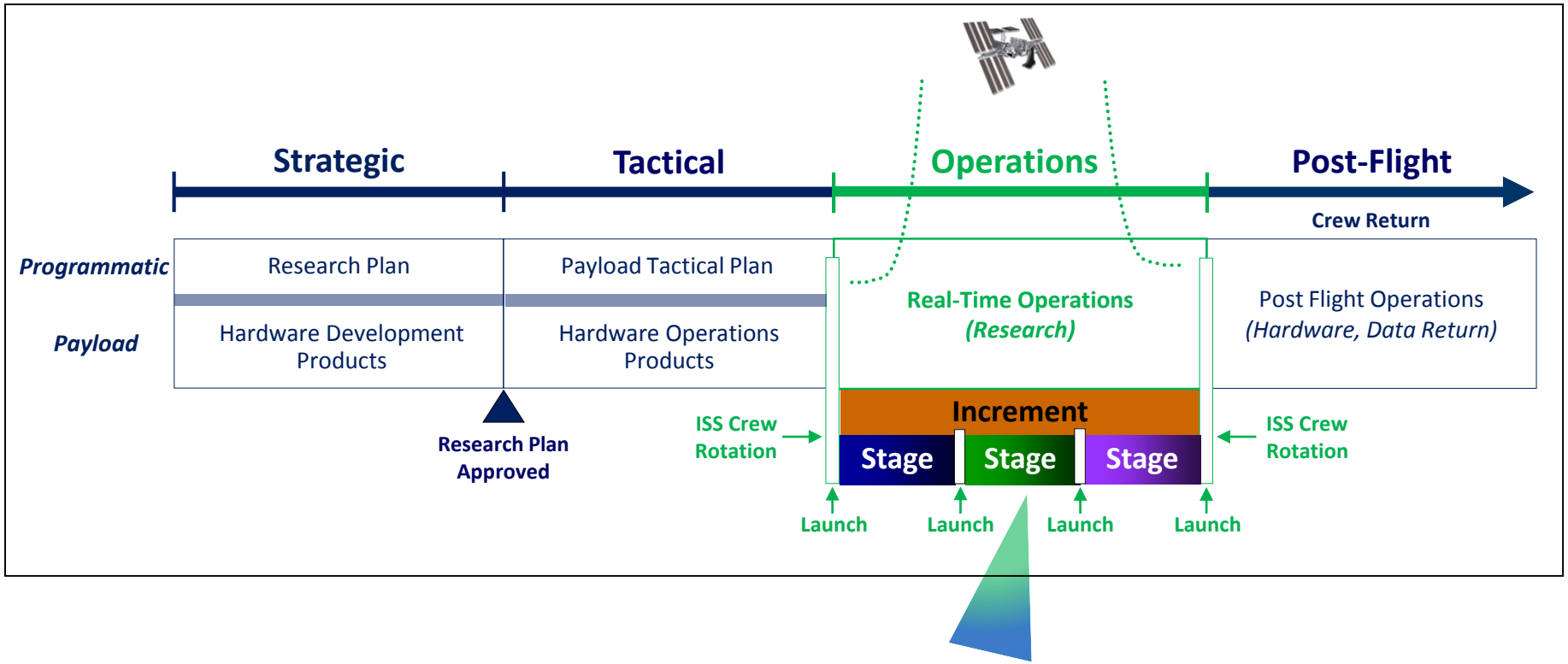
PHASE 3: TACTICAL PLANNING



Payload Developer Inputs

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

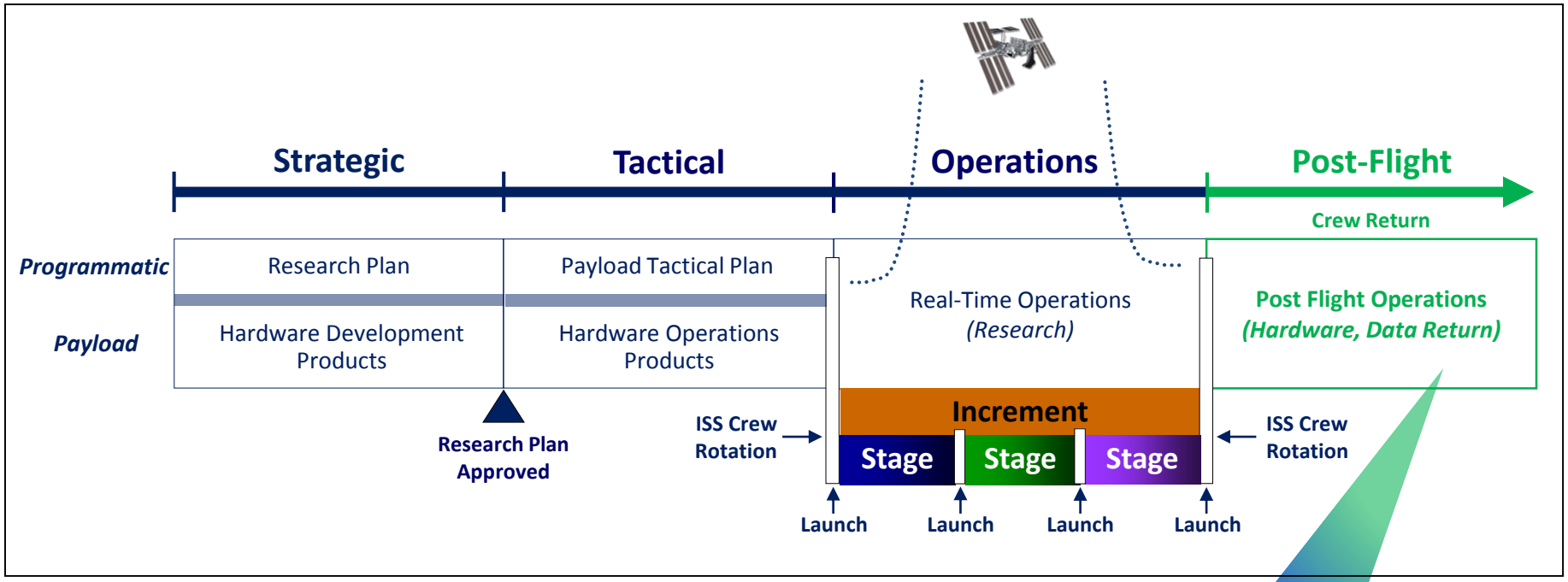
PHASE 4: OPERATIONS



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 Science in Space
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