

3RD SPACE EXPLORATION CONFERENCE & EXHIBIT

Space Operations Mission Directorate Update

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SOMD Portfolio

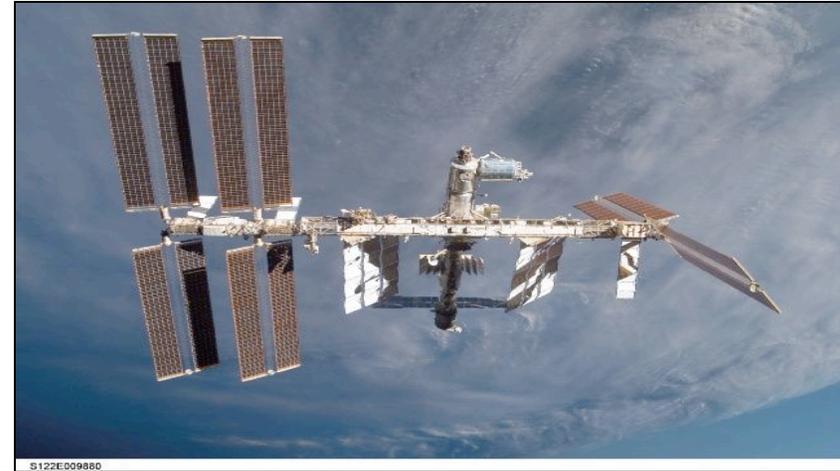


- **All of the SOMD functions have important roles for exploration**
- **Space Shuttle - must effectively transition critical assets and skills**
- **ISS - serves as a testbed for research and operations**
- **Space Communications and Navigation - provides critical data and navigation services, develops interoperability standards and protocols.**
- **Launch Services Program - Provides launch vehicle for LRO/LCROSS and all SMD missions.**
- **Rocket Propulsion Test (RPT) - Facilitates the integration of test requirements across NASA and DOD test facilities.**
- **Crew Health and - Providing critical crew health standards and data for long range exploration.**

Space Shuttle Mission Status



- **STS-122 just landed**
 - Installed ESA's Columbus Laboratory
- **STS-123 launch planned for March 11**
 - Will deliver the Canadian Special Purpose Dexterous Manipulator (SPDM) and JAXA's Kibo logistics module.
- **STS - 124**
 - Will deliver JAXA's Kibo laboratory module
- **STS-125**
 - Hubble Servicing Mission SM-4.
- **Major milestone of integration of major partner elements. Full integrated international operations**



Managing an Effective Transition



- **Much more from Jon Olson and Joel Kearns later in the conference.**
- **Driving goal is to get issues on the table - some need to be resolved now - others can wait - but must get all on the table**
- **Need to understand Cx needs for assets, skills and facilities**
- **Utilizing today's contracts to facilitate tomorrows work**
- **MPIM - next chart**

The Second Transition



- **SOMD is in a unique role**
 - Transitions capabilities to Constellation
 - Cx systems transition to SOMD as operator
- **ESMD/SOMD working to define the appropriate roles and responsibilities for operations functions and organization.**
- **Expect further definition by this summer.**
 - Need to start driving budget formulation