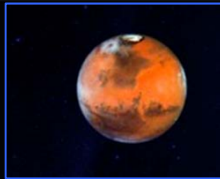




NASA's Space Launch System (SLS): *Acquisition Overview*

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September 4, 2013**

Space Launch System



Implementing the SLS Acquisition Plan



◆ Background

- September 2011, SLS Architecture Announcement and Procurement Strategy Meetings defined a course to meet key requirements for initial two flights

◆ Key Requirements

- Affordability
 - Utilize existing contracts to the maximum extent possible for initial capability
 - Significant hardware investments
 - Significant portions of the supply chain were in place
 - Less design, development, test, and evaluation (DDT&E) risk and cost
 - Utilization of existing contracts through undefinitized contractual actions (UCAs) enabled the SLS Program to achieve rapid results for the initial configuration

◆ Performance Margin

- Evolvable capability
- Significant National capability

◆ Evolved Vehicle

- Competitions for technology infusions and vehicle upgrades



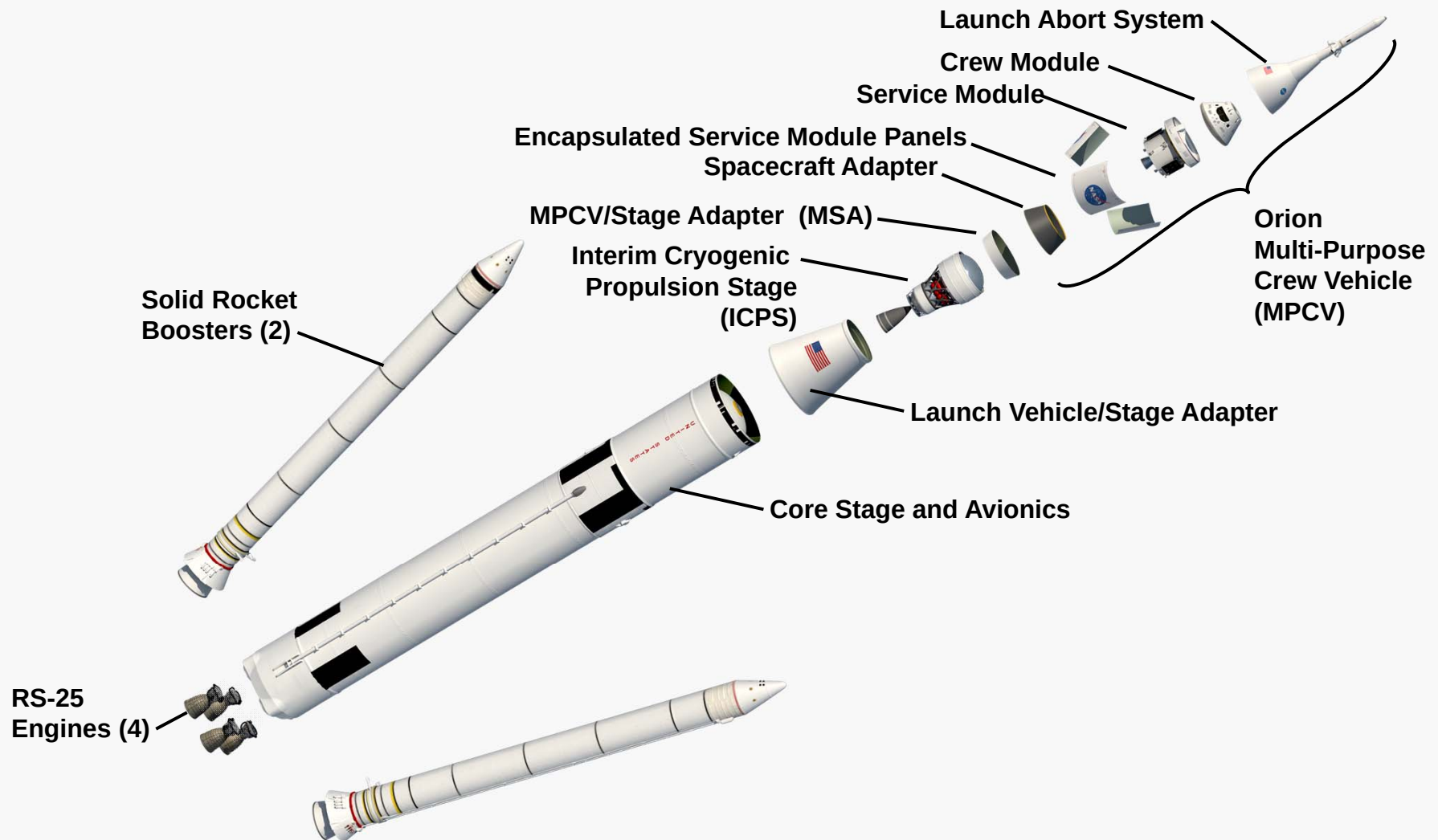
This rocket is key to implementing the plan laid out by President Obama and Congress in the bipartisan 2010 NASA Authorization Act.

— NASA Administrator Charles Bolden
September 14, 2011



SLS Will Be Safe, Affordable, and Sustainable

SLS 70 metric ton Expanded View



Initial Capability Stands on the Shoulders of Legacy Systems

Implementing the SLS Acquisition Plan



◆ Recent Achievements

- Definitized Booster UCA (April 2013)
- Definitized Engine UCA (Aug 2013)
- Negotiated Stages UCA, Part 1 (Aug 2013)
- Final Technical Evaluation Stages UCA, Part 2 (Aug 2013)
- ICPS Technical Team Reviews (Aug 2013)
- LVSA Industry Day (Aug 2013)

◆ Evolved Vehicle

- Awarded Advanced Booster Contracts (Oct 2012–Feb 2013)
- Awarded Advanced Concepts Contracts and Grants (Oct–Dec 2012)



Contracts with Large and Small Businesses and Academia

Current Activities of Note



◆ **Manufacturing Support and Facility Operations Contract (MSFOC)**

- Provides operations and maintenance for Michoud Assembly Facility
- Robust opportunities for commercial tenants
- Synergy Achieving Consolidated Operations and Maintenance Contract (SACOM) activity
 - RFI issued June 2013
 - Procurement Development Team (PDT) in process

◆ **Launch Vehicle Spacecraft Adapter (LVSA) Competition**

- Ongoing activity under MSFC's Engineering Solutions and Prototypes (ESP) Contract
- Significant Small Business goals in the ESP contracts
 - Radiance Technologies
 - Teledyne Brown Engineering
 - Wyle Laboratories

Competitive Opportunities

Meeting Small Business Goals



- ◆ The NASA MSFC Small Business Specialist has performed a NASA Policy Directive 5000.2C uniform methodology assessment for all appropriate SLS requirements
- ◆ Subcontracting plan goals for existing contracts have been or will be updated
- ◆ Small business utilization performance is evaluated on both incentive fee and award fee contracts
 - Mentor/Protégé Program
 - Aerojet-Rocketdyne and Alabama A&M University



Marshall has won the NASA Small Business Administrator's Cup for the third time in five years.

***Targeting Robust Small Business Partnerships
Through Various Channels***

SLS Acquisition Summary



- ◆ The SLS contract activity continues to be implemented per initial acquisition strategy.
- ◆ The acquisition strategy enables key SLS requirements of *safety, affordability, and evolvable performance*.
- ◆ SLS will continue to work closely with NASA's Office of Small Business Programs to maximize opportunities for all parts of the Agency's socio-economic programs.
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Launching 2017