



Altair and Ares V Near Term Procurement Plans

Jeff Hanley
Manager, Constellation Program
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CONSTELLATION

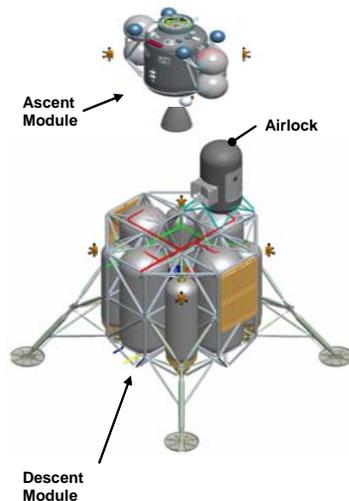
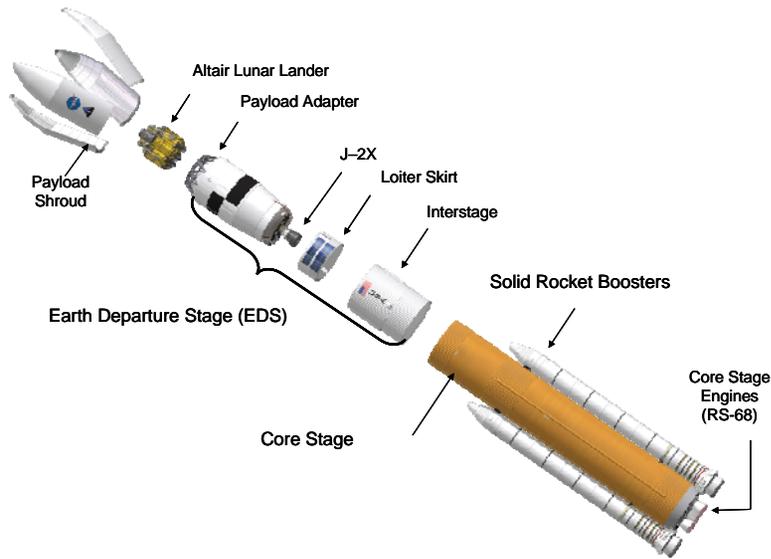


Acquisition Strategy: Ares V and Altair



- ◆ **Continue NASA-led design approach**
- ◆ **Establish strong partnership with industry through 2 separate near term procurements**
 - Build on Altair study contracts and Ares V RFI results and findings
- ◆ **Select Prime Contractors after System Definition Review (SDR) for completion of DDT&E and production activities**
- ◆ **Near Term Procurement Objectives**
 - Obtain industry involvement in Ares V and Altair design, producability, operability
 - Strengthen approach to Shuttle transition and ramp up in FY11
- ◆ **Near Term Procurement Schedules**
 - Industry Day planned for November 2008
 - The Altair and Ares V Requests for Proposal (RFPs) targeted for release in January 2009
 - Expect multiple awards in spring 2009
 - Period of performance 2009-2012/13

Near Term Procurement Structure



◆ Ares V

- 5 work packages
 - Earth Departure Stage (EDS)
 - Core Stage
 - First Stage
 - Avionics
 - Shroud
- Multiple awards for each work package
- Vehicle Integration support to NASA for Phase I will be acquired outside this procurement mechanism

◆ Altair

- Goal is to maintain integrated NASA/industry team environment
- Multiple awards targeting key spacecraft design considerations and trades