

SLS PDR

PRELIMINARY DESIGN REVIEW

STAGES

WHERE WE ARE

- Successfully completed PDR on Dec 20, 2012. On track for Critical Design Review in Summer 2014.
- Green Run Test efforts on track including B-2 Test Stand restoration activities, inter-organizational communication, and requirements development.
- Design under way for in-house Structural Test Article facility and special test equipment for the 5 major structural article qualification tests.
- Completed 10 vendor Integrated Baseline Reviews (IBRs) to-date, with Stages Element IBR scheduled for Fall 2013.
- Developed Interface Control Documents (ICDs), rapidly maturing ICD interfaces to support SLS schedule.

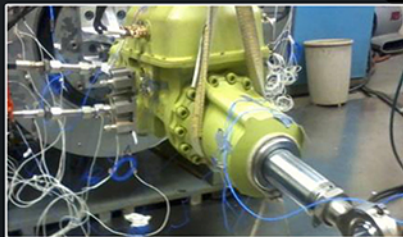
MAJOR ACCOMPLISHMENTS

Michoud Assembly Facility Readiness



- Installed Segmented Ring Tool, Enhanced Ring Weld Tool, Gore Weld Tool, and Circumferential Dome Weld Tool as of June 2013.
- Completed Vertical Weld Center in July 2013.
- Michoud Assembly Facility (MAF) modifications in progress—Vertical Assembly Center; Buildings 451 and 131; Cells A, E, and F; and Final Assembly and Integration.
- First Barrel Panel welded at MAF.

Core Stage Component Progress



- Completed 18 component PDRs and 22 others are nearing PDR.
- Completed Main Propulsion System component and subsystem PDRs including: cryo-valves, lines and ducts, and pressurization, pneumatics, and thrust vector control subsystems.

Green Run Preparation



- Began Green Run B-2 Test Stand restoration at Stennis Space Center.
- Initiated work packages #1 and #2; work package #3 will be awarded in Fall 2013.
- Began construction of the Structural Test Articles' test facilities at Marshall Space Flight Center, scheduled for completion in 2014.