



The Ares Development Motor 1 (DM-1) Marshall Space Flight Center (MSFC) Test Readiness Review (TRR) was conducted on July 21–22. The purposes of the MSFC TRR were to delineate the test objectives implemented on DM-1 and ascertain ATK’s readiness to conduct the Ares DM-1 static test. The TRR Board agreed to proceed with the test on August 25, in Promontory, Utah.



Ares I First Stage DM-1 Static Test Motor

Recent activities specific to the Elements include:

Flight and Integrated Test Office (FITO) and Ares I-X

- ***Special Test Equipment (STE)***
Mobile Crane: The Mobile Crane for the Integrated Vehicle Ground Vibration Test (IVGVT) has been delivered to MSFC. Certification and training of personnel in the operation of the crane is scheduled for the next couple of weeks. The Mobile Crane will be vital in the offloading and handling of the IVGVT test hardware deliveries from the point of entry to



IVGVT Mobile Crane at MSFC



the test stand. Additionally, it will be used at the test stand during structural modal dynamics vibration ground test on the Ares I launch stack test articles.

Project Integration

- ***Education Outreach:*** The Ares Projects outreach team reached out to students and educators in several venues in the past week, including:
 - Presented the Ares story to teachers attending Space Academy at the U.S. Space & Rocket Center in Huntsville, AL, on July 13.
 - Presented the Ares story to Educator Resource Center personnel attending a biennial conference at MSFC on July 14.
 - Staffed an information table and provided Ares products and resources to teachers at the Alabama Math, Science, and Technology Initiative's Summer Institute at Muscle Shoals High School in Muscle Shoals, AL, on July 15.
 - Provided Ares coloring/activity books to teachers attending the Alabama Kindergarten Conference at Columbia High School in Huntsville, AL, on July 16.
 - Presented the Ares story to a group of students in grades 2–4 at the Guntersville, AL, Public Library in conjunction with a visit by Roger Reid, author of the young adult novel, *Space*, on July 17.

These activities bring Ares and NASA to the attention of students and teachers in many grades during the summer to encourage teachers to include Ares in their lesson plans and encourage students to continue classes in math and science and seek careers in those fields.

The Ares Projects look forward to the DM-1 static test at ATK in Promontory, Utah, in August.