

NASA Delays Mars Scout Mission to 2013

December 21 2007

NASA announced today that the next mission in the Mars Scout program, originally planned for launch in 2011, is now targeted for launch in 2013. The schedule slip is because of an organizational conflict of interest that was discovered in one of the mission proposal team's Phase A Concept Study. This was the shortest delay for the mission possible because opportunities to send spacecraft to Mars occur only once every 26 months.

NASA will fund current proposals to meet a new launch date in 2013. Revised proposals will be due in August 2008, and the evaluation and selection will take place in December 2008.

In November, NASA postponed the Scout mission's evaluation, selection, and announcement so the agency could resolve an organizational conflict of interest. The conflict of interest was discovered shortly after the concept study reports were received.

The extent of the conflict was severe enough that NASA determined its only recourse was to stop the evaluation and reconstitute the entire review panel that provides the technical and cost analyses for mission selections.

"The panel's independent expertise and evaluation are critical to maintaining a fair and competitive mission selection process," said Michael Meyer, lead scientist for NASA's Mars Exploration Program, NASA Headquarters, Washington. "This was a difficult decision, but necessary to preserve the integrity of the process, while ensuring we

have adequate resources for the mission we ultimately select."

The delay in selection, resulting from reconstituting the entire review team and replanning the evaluation schedule, is approximately four months. Because of the delay, proposers would be left an unacceptable schedule, and schedule reserve, to meet a targeted launch date of 2011. Changing the launch date to the next Mars opportunity in 2013 reestablishes an acceptable and achievable schedule for the mission.

"We regret the delay, but NASA is taking this step to be proactive in preventing problems early on," said Mars Exploration Program Director Doug McCuiston, NASA Headquarters. "Because these are cost-capped missions, it is better to address the schedule risk now rather than put the winning proposer at a cost and schedule disadvantage from the start. Delaying the next Scout mission and allowing the mission teams to replan their proposed missions for 2013 reestablishes an acceptable schedule to meet a Mars launch date. It will also reduce the risk of cost overruns driven by the tight mission schedule that would have resulted if launch had remained in 2011."

In the first round of the Mars Scout 2006 competition, two missions for 2011 originally selected from 26 proposals for further evaluation in a concept study phase. The selected missions were the Mars Atmosphere and Volatile EvolutionN mission, or MAVEN and the The Great Escape, or TGE, mission. The principal investigator for MAVEN is Bruce Jakosky, University of Colorado, Boulder. The TGE principal investigator is Jim Burch, Southwest Research Institute, San Antonio. Both missions would provide similar measurements of Mars' upper atmosphere, including its dynamics and evolution, which have been given a high priority by the scientific community.

The Mars Scout Program is designed to send a series of small, low-cost missions to the Red Planet that are competitively selected. The first

robotic spacecraft in this program is the Phoenix lander, which was launched Aug. 4, 2007, and is scheduled to land in the icy northern polar region of Mars on May 25, 2008.

NASA's Mars Exploration Program seeks to characterize and understand Mars as a dynamic system, including its present and past environment, climate cycles, geology and biological potential. The Mars Exploration Program Office is managed by NASA's Jet Propulsion Laboratory, Pasadena, Calif., for the Mars Exploration Program, Science Mission Directorate, Washington.

ource: NASA

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