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NASA Headquarters Exploration Systems Mission Directorate

February 1, 2005

Lunar Strategic Roadmap Committee Membership



Co-Chairs:

- Craig Steidle, Associate Administrator, NASA Headquarters
- William Readdy, Associate Administrator, NASA Headquarters
- Jefferson Howell, Center Director, NASA Johnson Space Center
- Tom Stafford

Members:

- Bruce Abbott, USN/NRO
- Michael Duke, Co School of Mines
- Mike Hawes, NASA HQ
- James Head, Brown Univ
- Milt Heflin, NASA JSC
- Howard McCurdy, American Univ
- Thomas Morgan, NASA HQ

- Firouz Naderi, JPL
- Brad Parkinson, Stanford Univ
- Don Pettit, NASA JSC
- Robert Edwin Smylie, Retired
- Paul Spudis, APL
- Tom Tate, Retired
- Brenda Ward, NASA JSC
- Jeff Taylor, Univ of Hawaii

Lunar Strategic Roadmap Committee Role of Committee



Lunar Strategic Roadmap Focus:

Conduct robotic and human lunar expeditions to further science and to test new exploration approaches, technologies, and systems that will enable future human exploration of Mars and other destinations.

Starting with President's Vision for Space Exploration as the foundation, this committee is chartered to fill the strategy gap for the Moon.

- Prioritizing lunar exploration objectives => the WHAT we are doing on the Moon
- Defining lunar roadmap alternatives => the approaches to HOW & WHEN

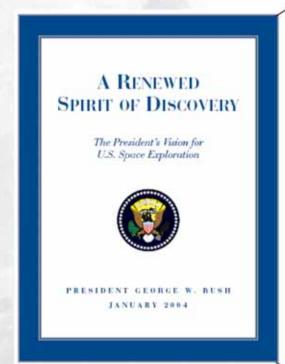
Schedule Status:

- December, 2004 Chartered as a Federal Advisory Committee
- January 24-25, 2005 Held first meeting at Space Center Houston
- Late March, 2005 Tentatively scheduled second meeting
- April, 2005 Interim Draft Product
- June, 2005 Product for NRC review

Lunar Strategic Roadmap Committee Top Level Lunar Objectives



THE FUNDAMENTAL GOAL OF THIS VISION IS TO ADVANCE U.S. SCIENTIFIC, SECURITY, AND ECONOMIC INTEREST THROUGH A ROBUST SPACE EXPLORATION PROGRAM



Based on language in the President's Vision for Space Exploration, the Committee has identified two primary objectives for lunar exploration:

- 1. To perform science
- To develop new approaches to support sustained human exploration to Mars and other destinations

Lunar Strategic Roadmap Committee Lunar Roadmap Alternatives

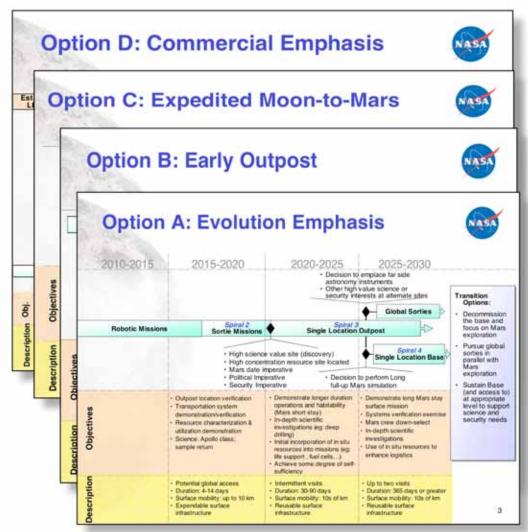


Evolution Emphasis

Early Outpost

 Expedited Moon-to-Mars

Commercial Emphasis



Lunar Strategic Roadmap Committee Sample Key Questions for Consideration



- 1. How should NASA transition from a lunar focus to a Mars focus once lunar objectives are achieved?
- 2. How do we build in a transition strategy from the beginning, particularly for commercial interests?
- How long a stay on the lunar surface is required to demonstrate Mars adaptation and operations (assumes long duration on Mars)?
- How should terrestrial analogs be used in conjunction with lunar activities?
- What is the best approach for international collaboration?

Vision Leads to Strategy

