

# Exploration Committee

## July 20, 2006

Rick Hauck

# Biomedical Research for Long-Duration Missions

- Recommendation forwarded to NASA Administrator in NAC letter of July 11
  - Complete an integrated strategic plan addressing basic and applied biomedical research flowing from Constellation program
  - Implement plan for mining biomedical data on humans in space
  - Foster relationships with government agencies to fill the gaps in basic biomedical research

# Interagency Biomedical Research Collaboration

- Dr. Stephen Katz reported on his initiative to identify previous and potential collaborations with NIH and other federal agencies
- *ad hoc* Biomedical Committee will schedule an interagency meeting to review areas of mutual interest (NIH, FDA, NSF, NIST, and NASA)

# Status Reports

- Human Research Program
  - Program reformulation and transition to mitigate the highest risks to crew health and performance during exploration missions
  - Initiated centralization of distributed space flight medical data sets and determination of appropriate access and distribution processes (data mining) while respecting privacy issues
  - NSBRI funding reduction
  - ISS Medical Project (ISSMP) established to collect medical data sets and develop medical standards and protocols
  - Established strategic planning processes to work with medical operations based on a 20-year view

# Status Reports

- EVA Systems
  - In the midst of a significant reorganization and development of project office
  - Committee witnessed a demonstration of current and prototype EVA suits and gloves

# Observation

- One program and one project briefing have indicated budget-driven narrowing of scope to near-term highest priority objectives
- This may have implications for the ability to achieve longer-term objectives

# Future Focus

- Consider developing subcommittee(s) to review lunar architecture when announced
- Receive update briefings on CEV after contract award
- Pursue *ad hoc* Biomedical Committee objectives previously described