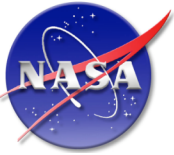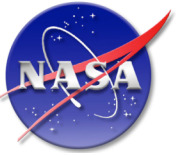# HPS General Principles
R&A and Program Mix

- Division's guidelines for discussing program content:
  - Discover and communicate new scientific knowledge that supports Exploration Vision using the unique vantage point of space
  - Undertake high priority space investigations considering NASA goals and priorities.
  - Follow scientific recommendations of the Community roadmap and Decadal Surveys
  - Complete missions in implementation
  - Budget for an appropriately balanced R&A and Flight Program
  - Don't spend what you don't have
  - Responsibly manage shared flight programs for the SMD
  - Responsibly manage and operate critical spaceflight communication assets

HPS Principal Recommendations
R&A and Program Mix

- The amount of money supporting R&A in the FY07 budget, regardless of where it is categorized, appears roughly appropriate at this time, as compared to other portions of the program. However, the committee requests additional information on the breakout for the full range of R&DA types at the July meeting.

- The health of the R&A program is intimately tied to the health of the Heliophysics Science missions. The principal of completing the missions on time and within cost appears to be the best method of maintaining a healthy R&A program.

- Control costs of our large missions to "on the order of" $750M and our focused and strategic Missions to be one half of this amount or less. (These amounts assume that launch costs can be held to 1/4 or less of these amounts.)

- In order to achieve the goals of the Decadal Survey, NASA needs to field two-to-three small and one major mission per 15 years, per sub-discipline. International partnerships will be helpful to this plan.

HPS Issues and Concerns
R&A and Program Mix

- *We are concerned about short term interruptions in the R&A program that have to be managed;*

- *We are concerned that we are not starting enough smaller missions;*

- *We are concerned that processes and procedures will not allow us to develop small missions at sufficiently low cost.*