

The background of the slide features a composite image. On the right, the Space Shuttle Discovery is shown in the process of launching, ascending vertically through a layer of white clouds. The orbiter is white with a dark nose cone and a large orange external tank. The name 'Discovery' is visible on the side of the orbiter. On the left, the International Space Station (ISS) is shown in orbit above the Earth's surface. The station's complex structure, including multiple modules and large solar panel arrays, is clearly visible. The Earth's blue and white horizon curves across the bottom of the frame. In the upper left corner, a crescent moon is visible against the blackness of space.

Space Shuttle Service Life Extension Summit II

Michael C. Kostelnik
Deputy Associate Administrator for
International Space Station and
Space Shuttle Programs

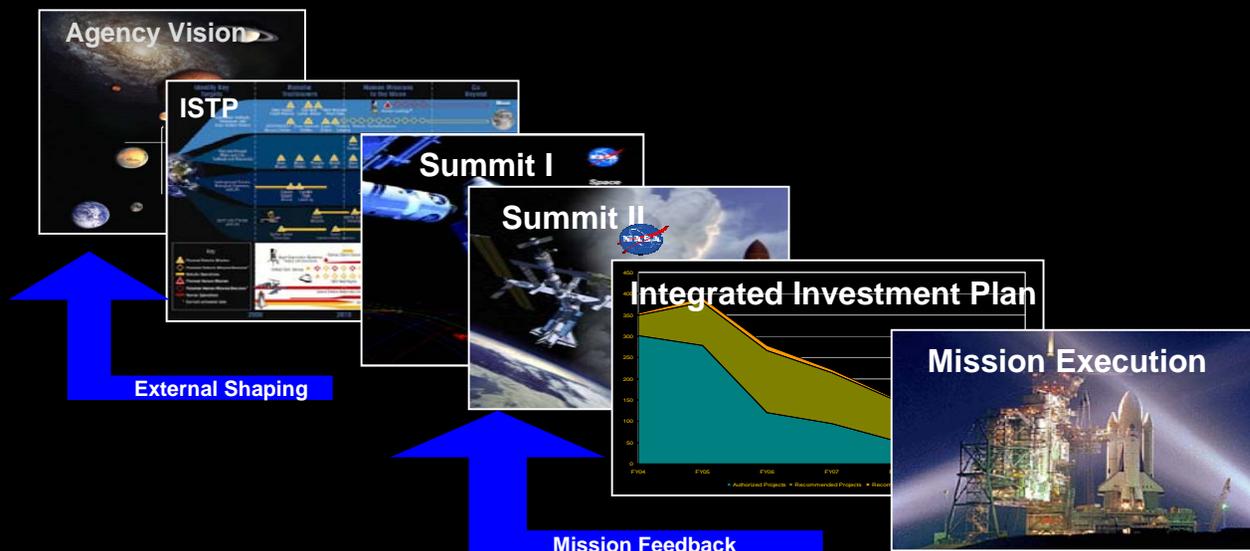


February 17, 2004



Summit a Proven Process

- Agency centric process with full stakeholder participation
- Innovative framework for investment prioritization
- Aligns program investment strategy with Agency vision
- Delivers annual update to program strategic investment plan





Summit I

“Adapting to Change”

Technical panels developed recommendations for SLEP investment

- Safety
- Infrastructure
- Sustainability
- Resources
- Performance
- Operations
- Industry
- Integration



MSFC



Industry



JSC



NASA HQ



KSC



SSP



ISS



MAF



SSC



ISTP – SSP until 2020



- Long range plan
- Process for selection
- Process for prioritization
- Basis for mission execution

Summit



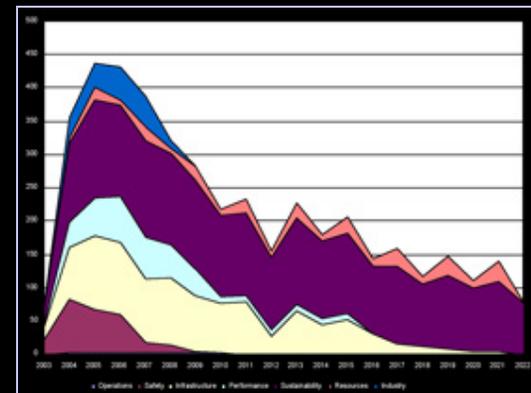
Program Long Range Plan ³





Summit I Results

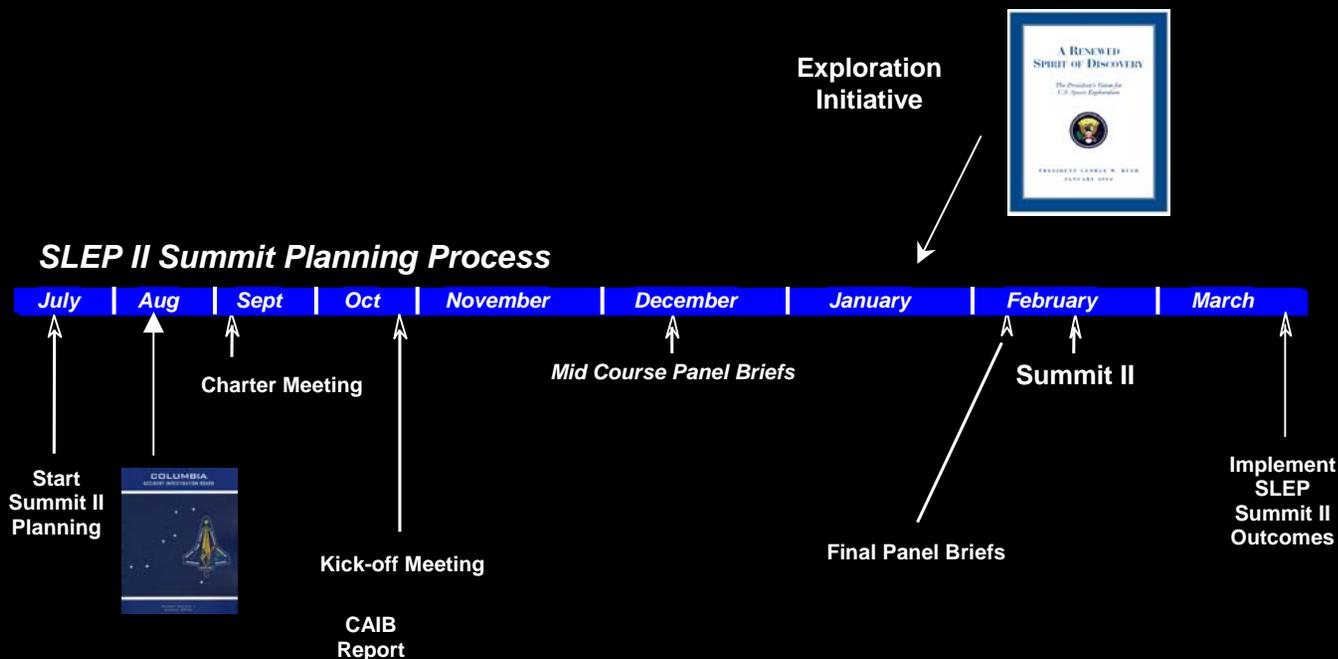
- Inaugural gathering of Shuttle stakeholders
- Effective process despite impact of Columbia loss
- Affirmed investment commitment to ongoing projects
- Prioritized new Shuttle investments
- Created first long-range integrated investment plan
- Firm foundation for future summits!





Summit II Planning

- Second Summit built on Summit I lessons learned
- Panel structure and processes evolved
- Near-term investments focused on Return to Flight
- Adaptive process incorporated late Presidential vision





Summit II

“Resuming Safe Flight”



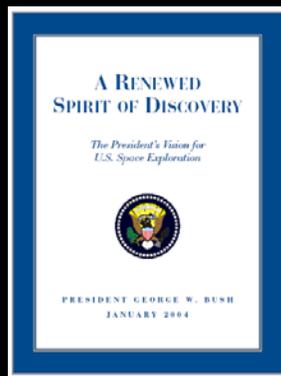
Process Flow, Participating Organizations, and Stakeholder's Representatives ⁶



A Bold New Vision for Exploration

January 14, 2004

- Implement a sustained and affordable human and robotic program to explore the solar system and beyond
- Extend human presence across the solar system
- Develop innovative technologies, knowledge, and infrastructures
- Promote international and commercial participation



“Mankind is drawn to the heavens for the same reason we were once drawn into unknown lands and across the open sea. We choose to explore space because doing so improves our lives and lifts our national spirit.”

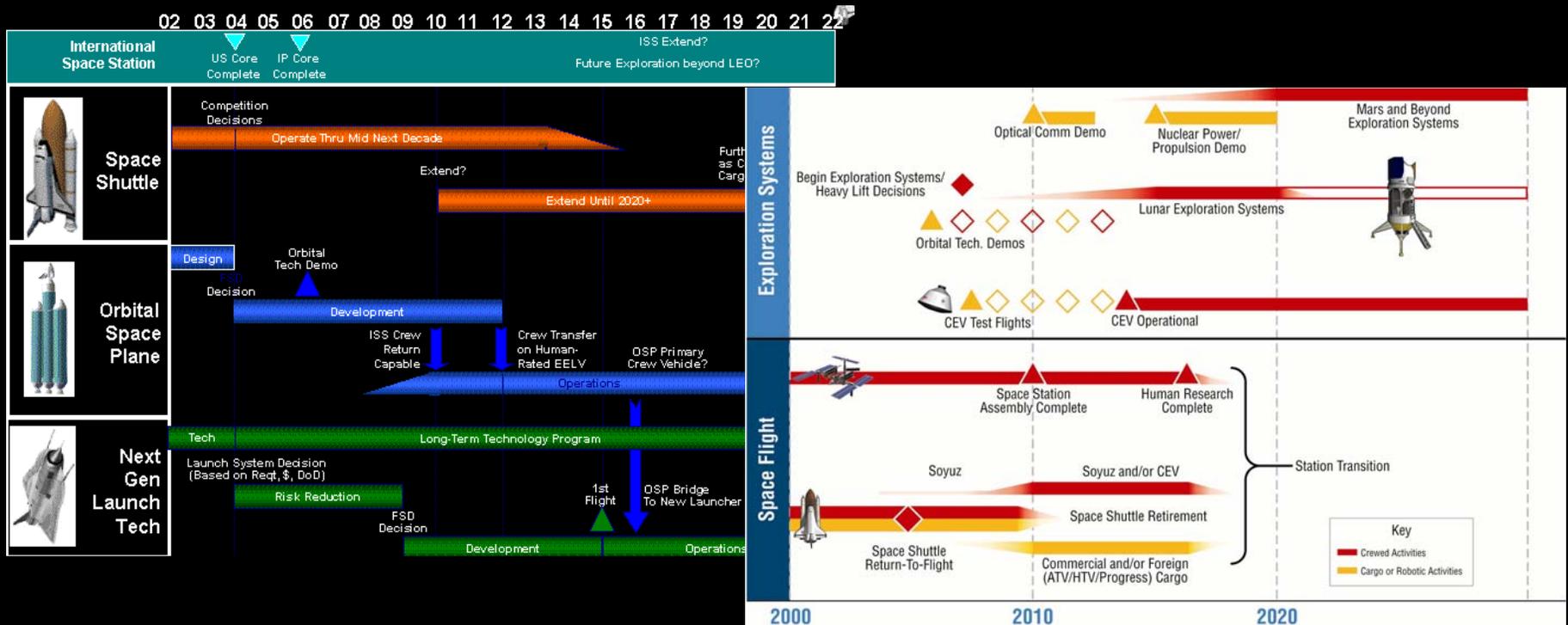
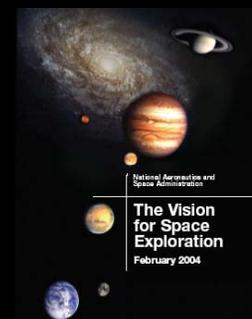




NASA Implements the Vision



“The Space Shuttle and International Space Station program are the first steps in the President's long-term vision.”





Space Shuttle Mission

- Return Shuttle fleet to safe flight as soon as practical
- Focus program investment strategies on safety and mission assurance
- Complete International Space Station assembly
- Retire Shuttle by end of the decade as a goal





Impact of Exploration on Summit

President's Vision – Challenge & Opportunity

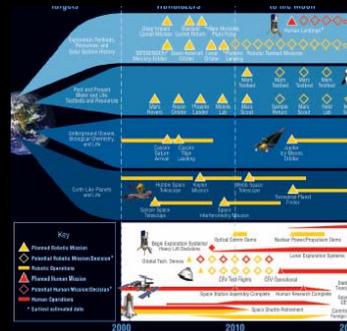


- Summit process more important than ever!
- Supports safe return to flight
- Ensures safe flight throughout remaining service life
- Enables strategic focus on Shuttle investments
- Provides framework for addressing fresh challenges and new opportunities supporting exploration vision!



Supporting Exploration Vision

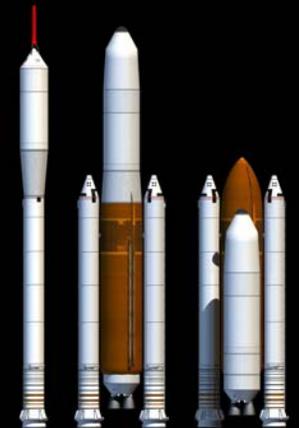
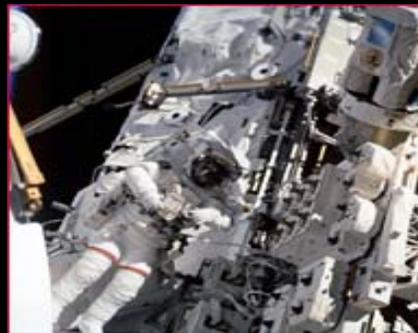
- Shuttle-derived requirements still evolving
- Shuttle infrastructures provide unique exploration enablers
- “Stepping stone” roadmap provides strong “requirements pull”
- Exploration vision impacts near term Shuttle investment Strategies!





Summit III and Beyond

- Summit is a proven process for adapting to change
- Innovative structure for integrated investment planning
- President's vision provides fresh challenges and new opportunities
- Shuttle safe return to flight and completion of ISS provides first "step" towards Agency exploration vision



Adaptive Summit process ensures successful first "stepping stone" to leaving Low Earth Orbit!