

Kennedy Space Center (KSC)

Highlights*:

- Commercial Crew Development: New Program Office at KSC, in partnership with a Deputy Program Manager at JSC, will manage \$500 million in FY 2011 and \$5.8 billion over five years, to foster private-sector transportation services to Earth orbit.
- 21st Century Launch Complex: New Program Office to manage \$429 million in FY 2011 and \$1.9 billion over five years to modernize KSC 's facilities to reduce launch costs not only for NASA, but for other users.
- Flagship Technology Demonstrations: New Deputy Program Manager to manage, with JSC's Program Office, \$424 million in FY 2011 and \$6 billion over five years to demonstrate transformational technologies for next-generation space flight capabilities.
- Additional Three Months of Shuttle Funding: The funding will be provided to the Shuttle program. A portion of the \$600 million augmentation will be used at KSC to ensure flight and processing of all remaining Shuttle payloads and vehicles to outfit the International Space Station.

* Proposals regarding Program Office assignments will be implemented following Congressional approval of the FY 2011 budget; and funding amounts include the cost of civil service labor.

Center Assets: Located in Brevard County, FL, KSC employs over 2,100 civil servants, consisting mainly of professional engineers, project managers, technicians and scientists. Center capabilities that will be tapped in the President's new program include their unique ability to integrate highly complex spacecraft and ground technologies as well as their capabilities in launch vehicle and spacecraft processing, launch execution, and spacecraft recovery operations. Specific new activities include the following.

Commercial Crew Development Program (CCDP) Program Office: CCDP will facilitate U.S. private industry development of commercial crew transportation services to-and-from low Earth orbit, for use by the U.S. Government and other customers. The Program Office, in partnership with a Deputy Program Manger at JSC, will enable the development, testing and demonstration of flight systems and will develop and compile program requirements, flight readiness processes and a NASA oversight/insight approach for commercial crew systems.

21st Century Launch Complex: The President's FY 2011 Budget seeks to modernize the Kennedy Space Center and Cape Canaveral Air Force Station (CCAFS), transforming them to provide the capabilities this Nation's 21st century space programs will need. The effort is intended to augment NASA's current and future operations to achieve safe, increased operational efficiency and reduced launch costs for all customers (industry, NASA, national security, etc).

The goal of the enhanced complex is to facilitate multiple launches of different vehicle types from different companies carrying both humans and cargo to space in a cost-effective and timely manner. Other important projects include enhancements to the range, payload processing capabilities and environmental clean up activities.

Flagship Technology Demonstration Program (FTDP) Deputy Program Manager: This new program will demonstrate critical space exploration technologies primarily through flight tests in space. At least three demonstrations will be initiated in FY 2011 in areas such as in-orbit propellant transfer and storage, lightweight/inflatable modules, and automated/ autonomous rendezvous and docking. KSC will help to coordinate programmatic activities with JSC and the Exploration Systems Mission Directorate, and provide management oversight and integration across the technology demonstration flight missions. Most of these flight projects will involve collaborations between Centers, with industry, and/or with academia; and management of these programs will utilize KSC's operations integration capabilities.

Shuttle Operations: The President's FY 2011 Budget provides an additional \$600 million to fund the Shuttle to fly out its remaining three flights, even if those flights slip into the first quarter of FY 2011. A portion of these funds will support Shuttle processing at KSC.