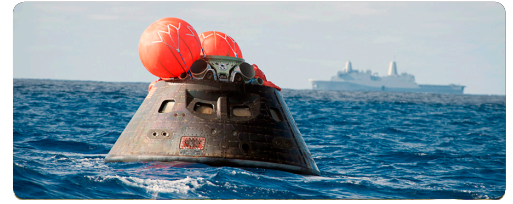
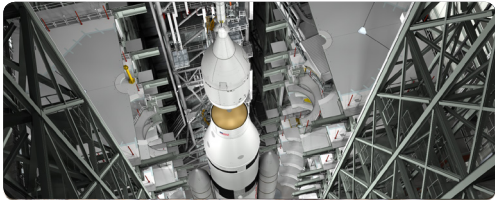




GSDO

GROUND SYSTEMS
DEVELOPMENT & OPERATIONS

EXPLORATION BEGINS HERE



PROGRAM HIGHLIGHTS • JULY 2015

At NASA's Kennedy Space Center in Florida, the Ground Systems Development and Operations (GSDO) Program Office is leading the center's transformation from a historically government-only launch complex to a spaceport bustling with activity involving government and commercial vehicles alike. GSDO is tasked with developing and using the complex equipment required to safely handle a variety of rockets and spacecraft during assembly, transport and launch. For more information about GSDO accomplishments happening around the center, visit <http://go.nasa.gov/groundsystems>.

New Pad Constructed for Smaller Rocket Launches

NASA's Kennedy Space Center in Florida took another step forward in its transformation to a 21st century multi-user spaceport with the completion of the new Small Class Vehicle Launch Pad, designated 39C, in the Launch Pad 39B area.

This designated pad to test smaller rockets will make it more affordable for smaller aerospace companies to develop and launch from the center, and to break into the commercial spaceflight market.

Kennedy Director Bob Cabana and representatives from the Ground Systems Development and Operations (GSDO) Program and the Center Planning and Development (CPD) and Engineering Directorates marked the completion of the new pad during a ribbon-cutting ceremony July 17.



A computer-aided aerial image of Launch Pad 39B, and the new Small Class Vehicle Launch Pad, designated 39C, in the southeast area of the perimeter of pad B at NASA's Kennedy Space Center in Florida. Image credit: NASA



NASA Kennedy Space Center Director Bob Cabana, center, helps cut the ribbon on the new Small Class Vehicle Launch Pad, designated 39C, at Kennedy Space Center in Florida. Also helping to cut the ribbon are, from left, Pat Simpkins, director, Engineering and Technology Directorate; Rich Koller, senior vice president of design firm Jones Edmunds; Scott Colloredo, director, Center Planning and Development; and Michelle Shoultz, president of Frazier Engineering. GSDO oversaw construction of the new pad and is working with Center Planning and Development to grow commercial space efforts at Kennedy. Photo credit: NASA/Dimitri Gerondidakis

"As America's premier spaceport, we're always looking for new and innovative ways to meet America's launch needs, and one area that was missing was small class payloads," Cabana said. "Using 21st Century funds, we built Pad 39C."

GSDO oversaw the project and is working with CPD to grow commercial space efforts at Kennedy. Construction of the pad began in January and was completed in June.

For the complete story, visit <http://go.nasa.gov/1RDVhBr>.

Employee Spotlight: Javan Banks

Javan Banks is a project manager in the IT Project Management Office at Kennedy Space Center. He has worked at Kennedy for more than 30 years.

In the IT office, he acts as the project management interface for Ground Systems Development and Operations (GSDO) Program-funded projects, with a focus on transmission, voice and imagery projects. In this role, he works to ensure that funded task orders are on budget and on schedule. He also assists GSDO in identifying risk and schedule concerns and works with the Institutional Services Contract (ISC) contractor to ensure that they minimally impact GSDO-funded tasks managed by his office.

During the Planning, Programming, Budgeting and Execution (PPBE) cycles, he works with GSDO to ensure that project-funding needs were planned for and achieved. He also will assist GSDO during PPBE phasing to ensure that the plans are in the Resource



Environment for Enhanced Budgeting (REEB) tool.

"The coolest part of my job is interfacing with people to keep projects moving forward," Banks said. "The achievement I'm most proud of during my work with GSDO is helping to resolve issues and making progress on projects."

His interest in space started when he was about 12 years old.

"I watched episodes of 'Star Trek' and 'Lost in Space' on television and have been hooked ever since," Banks said.

Banks' first car was a 1969 white Chevrolet Chevelle with black stripes. While serving in the Marine Corp, he had the

opportunity to drive a friend's Honda. He's owned a Honda ever since.

He is married to Sonia, and they have a son, Gabrielo, 24. He also has a cat named Macy.

Banks enjoys reading non-fiction books and playing chess. He also likes movies, mostly comedies, science fiction and action thrillers.



Load test No.1 on the Interim Cryogenic Propulsive Stage Umbilical (ICPSU) arm for NASA's Space Launch System (SLS) was completed July 23 at Coastal Steel in Cocoa, Florida. The test consisted of applying six vertical loads and eight horizontal loads onto the truss in the retracted position to simulate the effects of a launch on the structure. Engineers and technicians from NASA Kennedy Space Center and Coastal applied the loads by hanging weights off the ICPSU structure. The ICPSU is one of the umbilical arms that will be attached to the mobile launcher. The umbilical will be located at about the 240-foot-level and will supply fuel, oxidizer, pneumatics, hazard gas leak detection, electrical commodities and environmental control systems to the interim cryogenic propulsive stage of the SLS rocket during launch. Photo credit: NASA/Daniel Casper