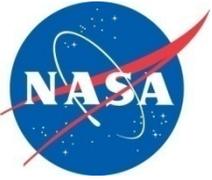


NASA Communications Status

Claudette Wiley

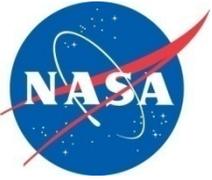
UNITeS

Mission Communications Manager



AGENDA

- **NETWORKX Transition**
- **DMS Replacement**
- **NICS Contract**
- **VSS/VDS turndown**
- **NASCOM Emergency Control Center**
- **Shelter-in-Place**

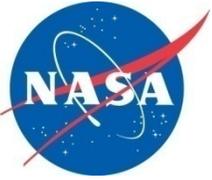


NETWORX Transition Project

Project Objective:

To successfully migrate and augment the mission network to the GSA NETWORX platform by September 30, 2011.

- OMB directive to transfer all telecommunication services to the New NETWORX Contract



NETWORX Transition Project

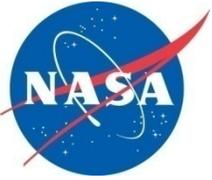
■ Milestones Planned:

- **05/15/11 – Equipment Augmentations** **95% complete**
- **05/25/11 – Network Augmentations** **85% complete**
- **06/27/11 – Diverse & OCONUS connectivity** **55% complete**
- **06/30/11 – CSU upgrade** **50% complete**
- **07/29/11 – Project complete**



NETWORX Transition Status

- **Mission Networx Completions:**
 - 121 Backbone and tail circuits (billing change only, not physical)
 - 145 Juniper, RADs, IP MUXs
(Now NISN-Owned equipment)
- **Mission Networx On-going Transitions:**
 - GUAM DS3s
 - Santiago, Chile RAD Channel Bank
 - CONAE, Argentina T1 & RAD Channel Bank
 - GSOC, ESOC, Germany E1/T1 & RAD Ch Bank
 - White House and State Dept Voice Channel (s)
 - CSU (s) upgrades, 27 sites



Digital Matrix Switch

- **Project Title: GSFC Digital Matrix Switch (DMS) Replacement**

- NASA POC – Jim Cameron
- GSFC/UNITeS Project Coordinator – Montse Salop

- **Project Objectives:**

Replace existing Digital Matrix Switch (DMS) TELENEX 2700, located at GSFC building 14 room S181, with a UCS 2910 On PATH Technologies switch. In addition a redundant switch has been procured and installed in building 32 Room N005 and is under test.

- **Milestones Completed:**

- 02-24-11 - Connect DMS to NG-NMS
- 02-25-11 - Test Plan Document
- 03-14-11 - Configure NG-NMS for DMS

- **Milestones Planned:**

- 03-31-11 – CDR/PMP Presentation and Approval
- 05/09/11 – 07-13-11 – Complete extended fiber from Patch panels to both switches
- 07/14/11 – 08-02-11 – Test and Validate Equipment
- 08-09-11 – 8-11-11 Second training session for the UCS 2910 switch by OnPATH Technologies
- 08/11/11 – ORR/TRR Presentation
- 08-22-11 – End of Acceptance Test Period

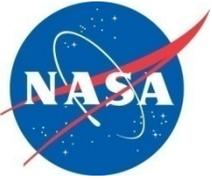
- **Project Risks - None**

- **Project Issues – None**



NICS Contract

- **NASA's CIO has initiated an IT Infrastructure Integration Program (I3P) to revamp IT across the Agency**
- **NASA Integrated Communications Services (NICS) is one of the contracts that is part of this program.**
- **NICS combines the networking portion of the existing UNITEs contract, the Local Area Network portion of the ODIN contract and Task Order 16 of the MOMS contract.**
- **The SAIC/Honeywell team has been awarded the NICS contract.**



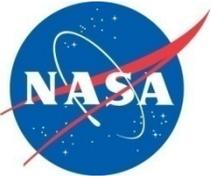
VSS/VDS turndown

- **GSFC has transitioned all voice services to the MOVE switch**
- **MOVE System has replaced the VSS/VDS. MOVE will support remaining mission Shuttle Missions.**
- **All VDS keysets have been removed and turndown is complete.**



NASCOM Emergency Control Center

- **NASCOM normally manages the Mission Network from Bldg. 14 at GSFC**
- **We also have the capability to manage the network from Bldg 32. We call this capability our NASCOM Emergency Control Center (NECC)**
- **NISN performs monthly verification and operability checks of systems and equipment in the NECC.**
- **We operate from the NECC at least twice per year**



Shelter-in-Place

- **We developed a set of assumptions:**
 - Maintain sufficient staffing posture for 24 x 7 operations
 - No reduction in service level (Support to HSF and ELV launch)
 - Duration of event is three days
 - Local GSFC infrastructure is intact (Water, Electricity, etc.)
- **We have procured and have in place sufficient pre-packaged foods, bedding, toiletries to support 44 individuals**
- **Shelter in place – was put into operations after the STS-130 lessons learned – AND the crew has since received a Team SFA Award for it .**