

DATE: March 29, 2011

SUBJECT: NSG SSP Closeout and Post SSP Requirements Meeting Minutes

LOCATION: JSC, Regents Park III

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INTRODUCTION

Mr. Mike McGuyer convened the March 30, 2011, Network Support Group (NSG) Space Shuttle Program (SSP) closeout meeting to discuss the impact of the Space Shuttle fly out on the NASA Integrated Services Network (NSIN) (refer to the presentation, *Effects of the Space Shuttle Program Closeout on NISN*).

MEETING

- A. Mr. McGuyer stated that planning has begun on how to close out IT systems across the program when the SSP ends. NISN circuits/servicers will be turned down. A part of the planning is to determine the after effects.
- B. Mr. MGuyer provided a Transition and Retirement (T&R) overview. The SSP goal is to fund services only long as the services are required. The goal is to stop paying for services that are no longer used as soon as is practical. The program does not want anyone to be surprised who is currently benefiting from the services that the program is not aware of. The T&R effort is a 2-year process in Fiscal Years (FY) 12 and 13. The schedule is drive by Last Need Events. The dates are being broken down by dates depending on the last mission to be supported. Some T&R actions may start prior to FY12. Mr. McGuyer stated that he has spoken to Mr. Michael Thomas from NISN. The NISN 90-day circuit turn down lead time is understood. An outreach effort will be put in place to contact affected parties and will be crucial to avoiding unexpected loss of service.
- C. Mr. McGuyer reviewed a high-level IT systems close out schedule. The schedule assumes that there will be an STS-135 mission. The schedule is predicated on wheels stop as the start date. Mr. Gary Morse stated that wheel stop is really not the appropriate term. There are post mission processing requirements if the Space Shuttle lands at the Dryden Flight Research Center (DFRC). Post mission requirements are longer at the Kennedy Space Center (KSC). Mr. McGuyer stated that this is understood, the schedule is based on events and not dates.
- D. Mr. Morse asked if the process will be driven by NISN Service Requests (NSR) and Mr. McGuyer replied that the process would be. The services will be checked and double checked prior to doing an NSR. Mr. Joe Aquino stated that the Program ends when the Program Requirements Document (PRD) items are deleted. Mr. Robbie Frazier asked if multiple NSRs will be used and Mr .Aquino stated that multiple NSRs will be used and not a blanket NSR. Mr. Morse stated that the approach should not be to turn down the service and see who responds. Mr. Bangerter stated that the program has to be smart on how it turns down services and tracks the effort.
- E. Mr. McGuyer stated that some services ownership will be transferred to other programs that will then pay for those services.
- F. Mr. McGuyer reviewed a Mission Circuits Burndown chart. This is the format that will be used when reporting to the Transition Integration Working Group (TIWG). The WG is using a milestone of wheel stop plus 12 months. The TIWG will expect an expanded time scale consisting of monthly or quarterly reports on NISN services.
- G. Mr. MCGuyer reviewed a NISN FY12 Q2 status report. The report reviewed is an example of what the quarterly report may look like. The report includes burndown numbers. The TIWG wants to the NISN reports to identify issues and status.

- H. Mr. McGuyer stated that he has met with Mr. Aquino and Ms. Jewel Hervey to discuss mission services. There is a system in place to manage these services. More needs to be known about the institutional services.
- I. Mr. McGuyer reviewed the actions:
1. Develop a schedule to cut off or transfer Shuttle-funded NISN services.
 2. Develop Burndown plans for the services.
 3. Provide quarterly reports to the IT WG.
 4. Develop and enact an Outreach Plan to inform affected parties of the planned changes. How the Outreach effort is to be enacted is to be determined. Will email, web sites, etc. be used to get information to the known users and a broader audience?
- J. Discussion
1. Mr. Ken Jones asked how shared services will be dealt with. Many services have merged. Voice is shared by Space Shuttle and the International Space Station (ISS) for example. Mr. Aquino stated that the Comm Access Controllers will have to decide. Mr. Jones stated that the services are out of one pool and it will have to be determined what services ISS will need.
 2. Mr. Aquino stated that the picture gets even foggier. There are three future programs Orion Test Flight (OTF)-1 (which is funded), Multi Purpose Crew Vehicle (MPCV) (unfunded), and Mission Control Center (MCC)-21. There will be a requirement to maintain a CORE infrastructure to support the three programs without much vision at this time. A CORE infrastructure is needed and it has not been defined yet. It will be more expensive to turn down the CORE services and bring them up again in the future. When the SSP ends, we need to make sure NISN is not stuck with the tail circuits (which are Space Shuttle unique).
 3. Mr. Scott Douglas suggested that KSC – Johnson Space Center (JSC), JSC – Marshall Space Flight Center (MSFC), and JSC – White Sands Complex (WSC) are not a priority to turn down and could be kept up. The priority is services such as Transponder 9. Mr. Aquino stated that Transponder 9 is one of the tail circuits he referred to earlier. He asked what the requirement will be for the Closed IONet when SSP ends. Mr. Douglas stated that NISN will not be pulling the Closed IONet quickly. Mr. Aquino stated that if voice and the Open and Closed IONet go away, the architecture is lost. Mr. Douglas replied that the Closed IONet rides on circuits used by others. NISN will not be acting aggressively while all this is reviewed and decision made. NISN does want to see the Multiplexer/Demultiplexers (MDM) turned down and the NLICs used for WSC.
 4. Mr. Aquino stated that services such as weather, MDMs, and Transponder 9 should be the first addressed and that the effort will be managed via the Network and Communications Analysis and Integration Team (NACAIT). The NACAIT will manage the Mission Services and Mr. McGuyer will manage the IT services through the IT Working Group (ITWG), which he chairs.
 5. Mr. Bangerter stated that the T&R effort should be a separate NACAIT effort. The process, roles and responsibilities, process, etc. needs to be documented. Mr. Aquino stated that Mr. Dave Theriault and Ms. Shashi Gowda are working T&R. Mr. Aquino stated that the process is the PRD process.
 6. Mr. Morse asked about any melded mission and administrative services. Mr. Aquino stated that there should not be any. Mr. Douglas stated that at the NISN level, there is

a clear demarc between Mission, Administrative, and Corporate. He stated that he is aware of some crossover on Transponder 9. He stated that the schedule needs to be coordinated. NISN does not want PAO to be without the transponder or Live Interview Media Outlet (LIMO) access. DFRC also needs to be part of the transponder discussion.

7. Mr. Aquino asked if NISN will turn down services such as C-band when there are known requirements. Mr. Douglas stated that Customer Service Representatives (CSR) will work these types of issues. The services need to be identified. If the services are CORE and the requirements can be documented, the services will not be turned down. Mr. Aquino stated that there will be PRD requirements for the three future programs. There may be conflicting requirements in several PRDs.
8. Mr. Bob Marriott stated that NISN has an idea of the services that are a turndown priority and asked if there is a list. Mr. Michael Bradley stated that NISN is developing a final list. The list will be distributed to the user community. Mr. Aquino stated that the program list will be based on the work done by Ms. Gowda. Mr. Bradley stated that the NISN list is based on what the program is paying for. Mr. Douglas stated that NISN will get a list from NACAIT as to what SSP is paying for in its entirety.
9. Mr. Morse asked if any Air Force Satellite Control Network (AFSCN) services remain (Vandenberg Air Force Base [VAFB] for Advanced Composition Explorer [ACE] and some services for Expendable Launch Vehicles [ELV]. Mr. Bangerter stated that other programs use some services, but that Onizuka Air Station (OAS) services have been turned down.
10. Mr. Mike Fanders asked if the NSR process will change with the NISN contract transition. Mr. Douglas stated that there will be some changes. The Integrated Communications Services (NICS) contract transition is scheduled for June at the Goddard Space Flight Center (GSFC). The new system is not due until January next year. The new system is the NICS Service Fulfillment System. CSRs will continue to put in service requests.
11. Mr. Bangerter stated that the parties involved are all actively engaged and there are processes in place. Mr. McGuyer stated that the TIWG and the ITWG will meet in April. He will work with Messrs. Aquino and Bradley.

ACTION ITEM REVIEW

No action items were assigned at the March 30, 2011, NSG SSP closeout meeting.

(Original Approved By)
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