

DATE: October 18, 2011

LOCATION: Regents Park III, Room 201

SUBJECT: HSF NSG Integrated Requirements Post Space Shuttle

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INTRODUCTION

Mr. Joe Aquino convened the October 18, 2011, Human Spaceflight (HSF) Network Support Group (NSG) Integrated Requirements Post Space Shuttle splinter meeting to discuss the disposition of Space Shuttle Program (SSP) requirements, the process for evaluating services that need to be retained, and discuss how to document the retained services. Messrs. Mike McGuyer and Bob Marriott presented at this meeting.

MEETING

- A. Mr. McGuyer provided a presentation on the current status of Communication Service Office (CSO) NASA Integrated Services Network (NISN) services (refer to the presentation, *Post Shuttle NISN Services*). Mr. McGuyer stated that to date, 59 mission and 34 institutional services have been cut off reducing the SSP costs by approximately 2M dollars. To date, 281 services have been released; 65 services have been disconnected; and 158 have moved from SSP responsibility. Several challenges remain. The program wants to ensure that all customers that might be impacted by a service are notified of the service disconnect. The program wants to ensure that there is effective communication between groups, organizations, and contracts. The program wants to ensure that CSO equipment has been accounted for. Additionally, there remain difficult questions about services that need to be answered.
- B. Mr. Marriott reviewed a spreadsheet he received from Mr. Michael Bradley of actions and dispositions that he is working in regards to services.
 1. Keep ISS – Ops. There is no NASA Service Request (NSR). This is a PSLA change. Advisories will go out for channelization changes. Mr. Bradley stated that an email can be sent when the PSLA changes are complete.
 2. Keep IONet (two items). These are CORE services. These services will be deleted from Shuttle. How can the Shuttle PSLA be closed out without impacting the network? These services should be moved to the CORE PSLA. Ms. Heather Kobin stated that when records are moved, it is possible to put information in the record to track where it was and what it is now. This may be helpful in the future.
 3. PDL Turndown. There is an action to open an NSR. Mr. Bradley believes that the action has been taken and that an NSR number has been assigned.
 4. Keep Assigned Voice Channels
 - (a) Ms. Angela Culley stated that Space Communications and Navigation (SCaN) PSLAs have been created for unassigned and assigned voice channels. Mr. Aquino stated that this is part of the process for determining what will be kept and will be terminated. There are future programs coming and it will cost NASA more to bring services back up.
 - (b) It was stated that Mr. Scott Douglas will be keeping 50 percent services up on the Wide Area Network (WAN). Ms. Vicki Stewart stated that hardware will be left in place, but disabled. CSO is trying to reclaim bandwidth. CSO needs to be told what to keep. Mr. Douglas stated only services that are required will be transitioned. If 30 active loops are required, CSO will retain an additional 15 as spares. The interfaces will remain in the RADs, but will be inactive.
 - (c) Mr. Ken Jones asked if an NSR will be required to reactivate the services. Mr. Douglas replied that if the services are physically there, but no bandwidth, then it will probably be a no cost NSR. If the services were not transitioned into

the Mission Operations Voice Enhancement (MOVE), then there will be a local cost.

- (d) Mr. Jones stated that the Johnson Space Center (JSC) infrastructure is in MOVE and the services would have to be renamed in the switch. Mr. Aquino stated that this is a good compromise. Mr. Marriott stated that there is need to re-identify the spares.
- (e) Mr. Ken Jones stated (post meeting) that he will review all JSC NISN circuits (Kennedy Space Center [KSC], Jet Propulsion Laboratory [JPL], Goddard Space Flight Center [GSFC], Marshall Space Flight Center [MSFC], and Dryden Flight Research Center [DFRC]) and identify all valid voice loops with existing requirements. He will identify Project Multi Purpose Crew Vehicle (MPCV)/EFT-1 voice loop requirements for each site and add those loops to the valid voice loop list. He will identify all remaining voice circuits that are not being used and spare half of them and turn down the other half. Mr. Jones stated that he will provide this information to Mr. Bob Marriott and he will list the status of all circuits in the master spreadsheet and provide that to Mr. Mike Bradley. Mr. Bradley will then issue an NSR to turn down all obsolete circuits. This NSR will release bandwidth only and all infrastructure, RAD configuration, and wiring for all turned down circuits at each site will remain in place.
5. PC Goal. This should be moved to SCaN unassigned; there is no requirement.
6. Wallops Flight Facility (WFF) Requirements. This is a SCaN item as it pertains to multiple projects.
7. PAO. There are several PAO items on the spreadsheet. There is no PAO PSLA. There are discussions as to the need for a PAO PSLA.
8. Other. Mr. Bradley stated that some unassigned services have been moved to SCaN. Mr. Marriott stated that JSC will review the list again. Mr. Jones stated that many of the loops for the International Space Station (ISS) can be considered unassigned. Mr. Marriott stated that he will update the spreadsheet. Mr. Aquino stated that from a CSO standpoint, JSC is almost complete. It was stated that the Melbourne services should be moved to the KSC PSLA, but Mr. Bradley stated that this has not been agreed to as yet.

C. Program Requirements Document (PRD)

1. Mr. Aquino stated that he has a list of requirements that he can distribute if needed. The list includes old TTY items that are still valid. Mr. Ronnie Brautigam/ER stated that the TTY services are still used for Expendable Launch Vehicle (ELV) support. Mr. Aquino stated that he has flagged these types of requirements. An owner needs to be found for these requirements. Mr. Brautigam stated that the requirement for vectors started with NASA and has always resided with NASA. The ELV programs task the range for the vectors.
2. Mr. Aquino stated these requirements need to be documented. Mr. Douglas suggested that they be placed under SCaN assigned. Mr. Aquino asked how the requirements get from the PSLA to the Range. Mr. Mike Gawel stated that the range only uses the PRD. Mr. Aquino suggested that there could be a GSFC PRD. Mr. Bangerter stated that Mr. Scott Greatorex would need to be included in such a discussion. Mr. Eric Barcon stated that an agency PRD could work, but where does the funding come from for multi-use requirements. Mr. Aquino stated that it may be necessary to base where

the requirements are on who provides the funding. It was stated that CORE services are paid for by SCan. Mr. Aquino suggested that a S Can PRD may also be appropriate. In the Thursday NSG Plenary meeting, Mr. Morse state that this may be good idea to discuss.

ACTION ITEMS

No formal action items were assigned at the October 18, 2011, Integrated Requirements Post Space Shuttle splinter meeting. Please note that Mr. Ken Jones provided an input for a number of related JSC tasks that he will be working.

(Original Approved By)

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