

DATE: March 29, 2011

SUBJECT: NSG HSFC WG Minutes

LOCATION: JSC, Regents Park III

ATTENDANCE:

<i>Last Name</i>	<i>First Name</i>	<i>Email Address</i>	<i>Affiliation</i>	<i>Telephone Number</i>
Aquino	Joseph	Joseph.M.Aquino@nasa.gov	JSC/NASA/SCIO	281-483-4033
Bangerter	Jim	James.A.Bangerter@nasa.gov	GSFC/NASA/HSF ND	301-286-7306
Bankert	Jeff	jeff.bankert@nasa.gov	GSFC/NISN	301-395-4613
Banks	Turonald	Turonald.Banks@honeywell.com	GSFC/HSF	301-805-3046
Baum	Earl	earl.j.baum@nasa.gov	JSC/NOIT/DD43	281-483-2321
Beck	Tom	thomas.beck@nasa.gov	WSSH-WSTF	575-524-5556
Blizzard	Melissa	Melissa.Blizzard@honeywell.com	GSFC/HSF	301-805-3097
Bradley	Michael	michael.j.bradley-1@nasa.gov	MSFC/NISN	256-961-9492
Calhoun	Melvin	Melvin.Calhoun@honeywell.com	GSFC/HSF	301-805-3630
Cappellari	Jim	jim.cappellari@nasa.gov	GSFC/FDF/HTSI	301-286-3296
Cauthen	Philip	philip.cauthen@nasa.gov	MSFC/NISN	256-544-4204
Clark	Liz	Elizabeth.M.Clark@nasa.gov	GSFC/HSF	301-805-3261
Colaluca	Victor	victor.colaluca@nasa.gov	KSC/IMCS	321-867-2286
Damiano	Sharon	Sharon.C.Damiano@nasa.gov	GSFC/NASCOM/HTSI	301-286-6468
Daniel	Earl	earl.daniel@honeywell.com	GSFC/HSF/Docs	301-805-3430
Douglas	Scott	Scott.C.Douglas@nasa.gov	GSFC/NASA/NISN	301-286-9550
Fahey	Donald	donald.l.fahey@nasa.gov	KSC/IMCS/Abacus	321-867-2500
Fanders	Michael	michael.t.fanders@nasa.gov	JSC/NACAIT	281-483-6069
Foster	William	William.M.Foster-1@nasa.gov	JSC/GC Office	281-483-0640
Frazier	Robert	Robert.B.Frazier@nasa.gov	JSC/NACAIT	281-483-4444
Greatorex	Scott	Scott.A.Greatorex@nasa.gov	GSFC/NASA/NIMO	301-286-6354

Haines	Bob	robert.e.haines@nasa.gov	GSFC/NISN	240-684-1082
Hasan	Syed	syed.o.hasan@nasa.gov	GSFC/FDF/HTSI	301-286-0995
Hervey	Jewel	jewel.r.hervey@nasa.gov	JSC/NASA/SSP,ISS	281-483-0359
Holman	Kitty	kitty.c.cunningham@nasa.gov	JSC/PRD	281-483-0572
Hudgins	Bob	bhudgins@mail.wsc.nasa.gov	WSC/Scheduling	575-527-7078
Ihnat	William	william.h.ihnmat@nasa.gov	GSFC/NISN	301-902-6018
Jones	Ken	ken.jones-2@nasa.gov	JSC/Comm Integration	281-483-7671
Jones	Robert	robert.l.jones-1@nasa.gov	DFRC	661-816-1356
Levin	Ryan	ryan.m.levin@nasa.gov	GSFC/HSF	301-805-3051
Lipford	Jay	James.P.Lipford@nasa.gov	JSC/Comm	281-483-4455
Marriott	Robert	Robert.R.Marriott@nasa.gov	JSC/NOIT	281-483-6879
Martin	Kelly	kelly.l.martin@nasa.gov	GSFC/NISN	301-286-2722
May	Jennifer	jennifer.may2@honeywell.com	GSFC/HSF	301-805-3192
Mitchell	Warren	warren.j.mitchell@nasa.gov	GSFC/FDF	301-286-5092
Moquin	Heidi	heidi.moquin@nasa.gov	GSFC/762	301-286-1447
Nesbitt	Avis	avis.nesbitt-1@nasa.gov	GSFC/NISN	301-286-9587
Parker	Joel	J.Parker@nasa.gov	GSFC/FDF	301-286-3604
Patel	Kush	Kush.H.Patel@Nasa.gov	GSFC/HSF/GNOM	301-335-0491
Pifer	Fred	fred.pifer@honeywell.com	GSFC/HSF	301-805-3335
Richards	Erik	Erik.Richards@Honeywell.com	GSFC/HSF	301-805-3275
Riley	Kevin	Kevin.S.Riley@nasa.gov	GSFC/HSF	301-805-3870
Russell	Thomas	Thomas.D.Russell@nasa.gov	GSFC/HSF	301-805-3248
Saurez	Jean	Jean.M.Saurez@nasa.gov	KSC/UNITeS/CSR	321-867-7726
Sieg	Alan	Alan.Sieg@nasa.gov	MSFC	256-544-7397
Testoff	Steven	steven.b.testoff@nasa.gov	GSFC/ASRC/HSF	301-286-6538
Thomas, Sr.	Michael	Michael.L.Thomas@nasa.gov	JSC/NISN	281-483-7544
Thompson	Craig	craig.thompson-1@nasa.gov	JSC/SSP/ISS/COTS	281-483-0241
Thornton	Roderick	Roderick.M.Thornton@nasa.gov	KSC/Comm	321-867-2241
Trahan	Jacqulyne	Jacqulyne.M.Trahan@nasa.gov	JSC/GC Office	281-483-0749

Wiley	Claudette	claudette.s.wiley@nasa.gov	GSFC/NISN	301-286-1807
Williamson	Gary	gary.williamson@nasa.gov	GSFC/FDF	301-286-1323
Yettaw	Mike	Michael.e.Yettaw@nasa.gov	DFRC/NASA	661-276-3253
Zhou	Jen	Jen.Zhou@itt.com	GSFC/ITT/SCNS	301-486-4219

INTRODUCTION

Mr. Michael Thomas convened the March 29, 2011, Network Support Group (NSG) Human Spaceflight (HSF) Working Group (WG) meeting to discuss HSF communications requirements, project status, and schedules (refer to the presentation, *Human Spaceflight Comm Working Group*).

MEETING

- A. NASA Integrated Services Network (NISN) Name Change. Mr. Scott Douglas announced that NISN will become the Communications Services Office out of the Office of Chief Information Officer (OCIO) at NASA Headquarters. The new organization will be responsible for the NISN and Center Local Area Networks (LAN). The Outsourcing Desktop initiative for NASA (ODIN) LANs will be part of the new office. It is not known when the Agency will make the announcement. The comment was made that this name change will impact all the current documentation.
- B. NASA Integrated Communications Services (NICS) Contract. Mr. Douglas announced that the NICS contract was awarded last week to Science Applications International Corporation (SAIC).
- C. Personnel Change. Mr. Douglas announced that Ms. Betsy Edwards has left NISN to join the Science Missions Directorate. Acting is Mr. Tom Miglin from the Johnson Space Center (JSC) Office of the Chief Information Officer (OCIO) on detail to the Agency OCIO.
- D. NISN Updates. Mr. Thomas stated that the NetworX contract transition is 99 percent complete. Ms. Vicki Stewart is the NASA Project Manager. Mr. Bill Ihnat is the UNITEs PM.
- E. International Space Station (ISS) In-process NISN Service Requests (NSR).
 1. NSR 34555. Remaining work is NISN in-service verification. The White Sands Complex (WSC) is finishing some testing. (Editor's note: it is possible that NISN has completed testing and is waiting on Customer Acceptance.) Mr. Jim Bangerter stated that he would like to see a schedule and some dates. Mr. Bangerter asked how much longer the testing will continue. Mr. Douglas stated that OC12s are installed. Mr. Michael Thomas accepted an action item to, in reference to NSR 34555, provide a schedule for verification testing completion (action item 032911-HSCWG-01). Mr. Aquino stated that if this is the Obsolescence-Driven Avionics Redesign (ODAR) 300-Mbps ISS IP Ground Routed Network (IIGoR) portion, the customer needs to accept the service. Mr. Robbie Frazier stated that there may be issues with the latency. Mr. Jeff Bankert stated that this is not true. Mr. Jay Lipford stated that the NISN circuits meet the requirement. The Marshall Space Flight Center (MSFC) architecture/alt routing is the issue. MSFC does the alt routing, not NISN. Mr. Joe Aquino stated that the circuits are within specification, but not the service.
 2. NSR 34843. NISN is waiting for AT&T to deliver the services and provide port assignments.
 3. NSR 36012. NISN is waiting for a Stop Bill Date of April 4, 2011 for the NISN services that were on that OC12 ring.
- F. Upcoming NSRs
 1. NSR 36083, Desert Rats (Mission). JSC/DD will provide a Point-of-Contact (POC). Mr. Aquino asked if JSC or Kennedy Space Center (KSC) will handle the

requirements. NISN is getting the price on the corporate network. He asked if the project understands that it needs to get from Building 17 to the other buildings. Ms. Shashi Gowda stated that more information will be available next week.

2. NSR 36085, Desert Rats (Premium Internet Protocol [PIP] Service). There was no additional discussion of this NSR.

G. ISS Video.

1. NISN has a Study NSR in place to evaluate and test MPEG 4 decoders for ISS video service.
2. The AMINO 130s 130Ms are still experiencing drop out problems due to the delay at the MSFC Huntsville Operations Support Center (HOSC) and Canadian Space Agency (CSA).
3. A trouble ticket remains open. Mr. Mike Fanders stated that the trouble ticket has been open since February 2010 and wondered how long it will remain open.
4. Mr. Thomas stated that some additional testing is scheduled for the AMINO boxes during the week of the NSG.
5. Mr. Thomas reviewed the sites at which ISS video viewing has been implemented.
6. Mr. Thomas reviewed the sites at which ISS video viewing will be implemented in the near term.
7. Mr. Thomas reviewed the sites at which ISS video viewing will be implemented in the future. In regards to CERN, there is the capability to retransmit video to the Organisation Européenne pour la Recherche Nucléaire (CERN), but the connection has not been made. There is no NISN involvement at this time.
8. Mr Aquino asked if there will be high definition video from Building 8 to MSFC and the answer was that there would be. Mr. Bob Marriott stated that this was not technically a part of ODAR, but was part of MPC. Russian and others are implementing the capability for high definition video.

H. Shuttle Retirement.

1. This activity is being approached by several organizations. NISN wants to be ready. Mr. Michael Bradley is the NISN POC.
2. Mr. Mike Yettaw stated that the satellite will be turned off as part of the Space Shuttle retirement. Mr. James Bangerter stated that the satellite services were implemented to provide diversity. Mr. Yettaw stated that there are other services on the satellite in addition to the Space Shuttle services. Without the satellite, Dryden Flight Research Center (DFRC) has no diversity for those services. Mr. Douglas stated that this has to be looked at as part of the turndown effort. To maintain the satellite, funding is required. Mr. Yettaw stated that another implementation could be looked into. Mr. Aquino stated that it is more cost effective to use the satellite.
3. Mr. Aquino stated that JSC will delete all Space Shuttle requirements.
4. Mr. Douglas stated that this needs to be worked with the DFRC Customer Service Representative (CSR). DFRC requirements need to be reviewed.

- I. NICS. This item was discussed by Mr. Douglas. Mr. Marriott asked if there is a list of things that need to be done in parallel to the NICS transition. Mr. Douglas stated that the two incumbents won the mission services portion and the transition should be transparent to the users. The goal, of course, is for the Center LAN transition to be transparent as well.

ACTION ITEM REVIEW

The following action item was assigned at the March 29, 2011, NSG HSFC WG meeting.

AI No.	Assignee	Action	Status
032911- HSCWG-01	Michael Thomas/ JSC/NISN	In reference to NSR 34555, provide a schedule for verification testing completion.	Open

(Original Approved By)
Michael Thomas
JSC/NISN/UNITeS
HSF/Mission Service Rep.