AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

	1. CONTRACT ID CODE	PAGE OF PAGES
		1 / 12

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
000248	See Block 16C		

6. ISSUED BY	CODE	NSSC	7. ADMINISTERED BY (If other than Item 6)	CODE	NSSC

6. ISSUED BY:
NASA Shared Services Center
Bldg. 1111, C Road
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY:
NASA Shared Services Center
Bldg. 1111, C Road
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)	(x)	9A. AMENDMENT OF SOLICITATION NO.

HP ENTERPRISE SERVICES, LLC
13600 EDS DR
HERNDON VA 20171-3225

9B. DATED (SEE ITEM 11)

x	10A. MODIFICATION OF CONTRACT/ORDER NO.
	NNX11AA01C

CODE 1U305	FACILITY CODE	10B. DATED (SEE ITEM 13)
		12/27/2010

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended , by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted ; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER If by virtue of this amendment you desire to change an offer already submitted , such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	
	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	52.212-4 Contract Terms and Conditions - Commercial Items, (c) Changes
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not. ☒ is required to sign this document and return _____ 1 _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Incorporate :

(A.1) ▮▮▮▮▮ - Early Mobility Refresh - JSC (Saiz)
(A.2) ▮▮▮▮▮ - Early Tech Refresh (Compute) - JSC (Tapia)
(A.3) ▮▮▮▮▮ - Early Mobility Refresh - JSC (Wyche)
(A.4) ▮▮▮▮▮ Early Tech Refresh (Compute) - HQ (McNally)
(A.5) ▮▮▮▮▮ - ACES Gold Build Image for Crew Support LAN-JSC

Payment Terms:
Net 30 days

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Adam D. Kiefer, Contracts Manager	Lewis R. Hansen

15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)	5/27/2014	(Signature of Contracting Officer)	5-29-2014

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

Section I. Modification Summary paragraph:

The purpose of this modification is to incorporate the following:

Incorporate (5) five approved Infrastructure Upgrade Proposal's (IUP): ███████████
██
██
██
██
████████████████████

**Note for ██

All ETR's consists of an Asset Transition Value (ATV), if any, and a RTSS fee. The following table presents the terms agreed to by NASA and HPES for fulfillment of ETRs, both compute and mobile. The ATV calculations are from contract modification #169, dated June 14, 2013. The interim ETR process is from NASA's email dated March 26, 2014.

ETR Charge	Method for Calculating or Charging
ATV for Compute	(Acquisition cost of the original device divided by the number of months of the useful life of the seat) multiplied by the remaining months of the useful life of the seat = ETR Price
ATV for Mobile	(MSRP price for the original device at time of initial order divided by the number of months of the useful life of the seat) multiplied by the remaining months of the useful life of the seat.
Interim Refresh Process	Use of RTSS CLINs S-1 (compute seat) and S-2 (mobility seat) for all early tech refresh requests and/or ACES like to unlike refresh requests for devices that have reached the end of their useful life. Valid through September 1, 2014.

HPES will submit Service Requests (SR) in NASA Enterprise Service Request System (ESRS) on behalf of the users identified in the IUP for each refresh request to track the refresh for the new seat orders. For compute seats there will be 2 SR's coordinated by HPES, a new seat request and a de-subscribe request of the old seat that was refreshed. For mobile seats, there will be 3 SR's, a new seat request, a configuration change to move the current line number to the new device and a de-subscribe of the old device/ new number that was obtained.

The deployment of the new seat will follow the same work instructions used to complete a refresh to include all steps expected as part of a standard refresh. Reporting of these refreshed seats are not included in the standard deployment reports. All SR's generated to support this IUP are considered SLA exempt. The new seat order will be fulfilled within 10 days.

ETR's also consists of the following assumptions:
- The new seat ordered by HPES on behalf of the user will be exactly what is submitted by the requestor in the IUP per the New Seat template (Appendix A). The specific base-seat CLIN and all requested sub-CLINs must be provided in the template in accordance with the current I-9 CLIN tables. If a sub-CLIN is not explicitly stated in the template, the default in ESRS is selected.
- HPES will enter the new seat order SR on behalf of the user. The SR will be saved and the user will be notified via email that the request is awaiting their approval in ESRS. This is a critical step. The user must agree to and submit the SR for NASA approval before hardware orders will be released to HPES for fulfillment.

- The execution of the refresh is dependent on NASA approving the new seat order SR in ESRS which initiates the logistics process to obtain the seat. If this approval is not completed by NASA in a timely manner, HPES may not meet the requested date for performing the ETRs.
- Quantities of ETRs greater than 10 are subject to a negotiated schedule. The schedule will be coordinated with the NASA POC and HPES Operations team to complete the seat refreshes in a timely manner.
- End users have the final review of the order prior to submission for NASA approval of the SR. HPES will not accept a seat rejected at time of delivery. NASA approval of the SR results in an order for a device. Any rejection of the new device will result in ATV charges.

In accordance with Section 3.3, Infrastructure Upgrade Ordering Process, the additional technology service referenced below is hereby incorporated into this Contract at the FFP set forth below.

ITEM NO.	IUP NO./ ESD REQUEST ID	IUP DESCRIPTION	PROPOSAL DATE	EFFECTIVE DATE	PRICE	DELIVERY
A.1	███████	Early Mobility Refresh – JSC (Saiz)	05/07/2014	NASA authorized to proceed on 05/14/2014	███	Completion date N/A, One-time charge
A.2	███████	Early Tech Refresh (Compute) – JSC (Tapia)	05/092014	NASA authorized to proceed on 05/15/2014	████	Completion date N/A, One-time charge
A.3	███████	Early Mobility Refresh – JSC (Wyche)	05/16/2014	NASA authorized to proceed on 05/20/2014	███	Completion date N/A, One-time charge
A.4	███████	IUP-ACES-02190 Early Tech Refresh (Compute) – HQ (McNally)	05/16/2014	NASA authorized to proceed on 05/20/2014	████	Completion date N/A, One-time charge
A.5	███████	ACES Gold Build Image for Crew Support LAN-JSC,	04/30/2014	NASA authorized to proceed on 05/15/2014	████	Completion date October 31, 2015
TOTAL					████	

Section II. IUP Summary:

A.1) Early Mobility Refresh – JSC (Saiz)███████████ Version 1.0

Early Mobility Refresh – JSC (Saiz)████████ **Version 1.0:** The purpose of this IUP is to assist one JSC user in obtaining an Early Tech Refresh (ETR) for a mobility device before the schedule refresh date (36 months compute; 18 months mobility).

> **B. SERVICES –**
> **See Note Above.

> **C. PRICING –**
> HPES has calculated below the charge for ATV of the specified devices within the scope of this IUP using the established formulas.

Mobility

User	Line #	Birth Date	ETR Date	Remaining Months of Useful Life	Original Device	Original Device MSRP	ATV
Natalie Saiz	713 540 7105	04/01/2012	May 2014	0	IPHONE 4S 16GB	██████	████

Ms. Saiz's device has reached its schedule refresh date; there is no ATV charge.

The CLIN S-1 and/or S-2 charges as applied to this IUP are shown in the following table:

CLIN	CLIN Price (CY3)	Number of Units	Price
S-1 Compute Seat RTSS	████	N/A	---
S-2 Cellular Seat RTSS	████	1	████
Total			████

> **D. BILLING SCHEDULE –**
> Upon NASA's acceptance of this IUP and its inclusion in a fully executed ACES contract modification, and following completion of the refresh, HPES will invoice NASA for ████ for ATV and ████ for the RTSS charge for the specified device.
> The total price of this IUP is ████.
>
> (Note: Should the IUP not be accepted in time for a May 2014 refresh, such that the ETR is actually performed in June 2014, the ATV will not change, and the total price of the IUP will remain at ████)

The total amount for A.1) ███████████ **Version 1.0**
Early Mobility Refresh – JSC (Saiz)   ████

A.2) Early Tech Refresh (Compute) – JSC (Tapia) ▮▮▮▮▮▮▮▮▮▮ Version 1.0

Early Tech Refresh (Compute) – JSC (Tapia) ▮▮▮▮▮▮▮ **Version 1.0:** The purpose of this IUP is to assist one user at Johnson Space Center (JSC) in obtaining an Early Tech Refresh (ETR) for a compute device before the schedule refresh date (36 months compute; 18 months mobility).

B. SERVICES –
   **See Note Above.

C. PRICING –
   HPES has calculated below the charge for ATV of the specified devices within the scope of this IUP using the established formulas.

Compute

User	Asset #	Birth Date	ETR Date	Remaining Months of Useful Life	Original Device	Original Acquisition Cost	ATV
Alma Tapia	40026358	Jan 2014	May 2014	32	Wintel Lightweight Laptop	▮▮▮	▮▮▮

The CLIN S-1 and/or S-2 charges as applied to this IUP are shown in the following table:

CLIN	CLIN Price (CY3)	Number of Units	Price
S-1 Compute Seat RTSS	▮▮▮	1	▮▮▮
S-2 Cellular Seat RTSS	▮▮▮	N/A	▮
Total			▮▮▮

D. BILLING SCHEDULE –
   Upon NASA's acceptance of this IUP and its inclusion in a fully executed ACES contract modification, and following completion of the refresh, HPES will invoice NASA for ▮▮▮▮ for ATV and ▮▮▮ for the RTSS charge for the specified device.
   The total price of this IUP is ▮▮▮▮

   (Note: Should the IUP not be accepted in time for HPES to perform a May 2014 refresh, and the ETR is actually performed in June 2014, the ATV charge will reduce to ▮▮▮ and the total price of the IUP will be adjusted accordingly to ▮▮▮)

The total amount for A.2) ▮▮▮▮▮▮▮ **Version 1.0**
Early Tech Refresh (Compute) – JSC (Tapia)   ▮▮▮▮

A.3) Early Mobility Refresh – JSC (Wyche) – ██████████████ Version 1.0

Early Mobility Refresh – JSC (Wyche) – ████████████ **Version 1.0:** The purpose of this IUP is to assist one JSC user in obtaining an Early Tech Refresh (ETR) for a mobility device before the schedule refresh date (36 months compute; 18 months mobility).

B. SERVICES –
**See Note Above.

C. PRICING –
HPES has calculated below the charge for ATV of the specified devices within the scope of this IUP using the established formulas.

Mobility

User	Line #	Birth Date	ETR Date	Remaining Months of Useful Life	Original Device	Original Device MSRP	ATV
Vanessa Wyche	281 221 2238	04/01/2012	May or June 2014	0	ATT RIM 9810	██████	██████

The CLIN S-1 and/or S-2 charges as applied to this IUP are shown in the following table:

CLIN	CLIN Price (CY3)	Number of Units	Price
S-1 Compute Seat RTSS	██████	N/A	██████
S-2 Cellular Seat RTSS	██████	1	██████
Total			██████

D. BILLING SCHEDULE –
Upon NASA's acceptance of this IUP and its inclusion in a fully executed ACES contract modification, and following completion of the refresh, HPES will invoice NASA for ██████ for ATV and ██████ for the RTSS charge for the specified device.
The total price of this IUP is ██████

(Note: Regardless of when the IUP is accepted, whether in time for a May 2014, June 2014, or later ETR, the ATV will not change, and the total price of the IUP will remain at ██████)

The total amount for A.3) ██████████████ **Version 1.0**
Early Mobility Refresh – JSC (Wyche)   ██████

A.4) Early Tech Refresh (Compute) – HQ (McNally)- ███████████ Version 1.0

Early Tech Refresh (Compute) – HQ (McNally)- ████████████, **Version 1.0:** The purpose of this IUP is to assist one user at NASA Headquarters (HQ) in obtaining an Early Tech Refresh (ETR) for a compute device before the schedule refresh date (36 months compute; 18 months mobility).

B. SERVICES –
**See Note Above.

C. PRICING –
HPES has calculated below the charge for ATV of the specified devices within the scope of this IUP using the established formulas.

Compute

User	Asset #	Birth Date	ETR Date	Remaining Months of Useful Life	Original Device	Original Acquisition Cost	ATV
William McNally	40021801	Jan 2013	May 2014	20	Wintel Ultra Lightweight Laptop	████	████

The CLIN S-1 and/or S-2 charges as applied to this IUP are shown in the following table:

CLIN	CLIN Price (CY3)	Number of Units	Price
S-1 Compute Seat RTSS	████	1	████
S-2 Cellular Seat RTSS	████	N/A	██
Total			████

D. BILLING SCHEDULE –
Upon NASA's acceptance of this IUP and its inclusion in a fully executed ACES contract modification, and following completion of the refresh, HPES will invoice NASA for ████ for ATV and ████ for the RTSS charge for the specified device.
The total price of this IUP is ████

(Note: Should the IUP not be accepted in time for HPES to perform a May 2014 refresh, and the ETR is actually performed in June 2014, the ATV charge will reduce to ████ and the total price of the IUP will be adjusted accordingly to ████)

The total amount for A.4) ████████████ **Version 1.0**
Early Tech Refresh (Compute) – HQ (McNally)   ████████

A.5) ACES Gold Build Image for Crew Support LAN-JSC – ██████████ Version 1.2

ACES Gold Build Image for Crew Support LAN-JSC – ████████████ Version 1.2: The purpose of this IUP is to describe the approach and pricing to provide the equivalent of 15 standard loads for non-ACES computers for use by the ITAMS contractor.

B. SERVICES –

The ITAMS contractor for the JSC IRD organization manages a total of 15 virtual Windows machines used by the astronauts aboard the ISS. NASA states that the current software load is outdated and IRD wants these users to have the equivalent of an ACES Gold Build image computer.

HPES will provide a solution that allows ITAMS to create a maximum of 15 virtual instances of the ACES Windows 7 Gold Build image on ITAMS Citrix virtualization infrastructure.

The Gold Build image as provided has not been tested to operate on the ITAMS Citrix infrastructure. No warranty is implied or made as to the suitability of the Gold Build VM in that environment.

- HPES will provide the JSC ITAMS system administrator an administrative account password, to be used to manage the load for the 15 virtual Windows machines.
- HPES will provide assistance related to Microsoft licensing and activation with the KMS server.
- Any changes in configuration of the software provided are the responsibility of ITAMS.
- Any issues related to changes in configuration of the software made by ITAMS are the responsibility of ITAMS
- End user support for the software once installed in the Citrix virtualization infrastructure is the responsibility of ITAMS.
- ITAMS is responsible for security patching of all applications provided, in accordance with NASA requirements.
- Any issues related to the operation of the VM provided in the ITAMS Citrix virtualization infrastructure or with the Xen desktop agent are the responsibility of ITAMS.
- Backup and restoration of user data in the VMs in the Citrix virtualization infrastructure is the responsibility of ITAMS.
- Updating and maintenance of antivirus signatures is the responsibility of ITAMS.

Following is HPES' approach to meeting JSC's stated requirements for providing the ACES Gold Build image to 15 machines for CSL.

Approach to Detailed Services Requested – JSC

NASA Requirement	HPES Approach
ITAMS would like the ACES Gold Load provided as a *.ovf or Vmware template image.	HPES will provide the most recent Windows 7 64 bit Gold Build image in VMWare format that is compatible with VMWare with Workstation v 10.
ITAMS will import the image or template into a Citrix virtualization infrastructure and create a maximum of 15 virtual instances themselves.	HPES Agrees
The image setting should have the weekly reboot function disabled.	The Weekly reboot is a function of the CAE software which is not part of the Gold Build image. HPES will not perform this function.
ISS astronauts will use their laptops and a Xen desktop agent to access the instances.	HPES Agrees
The 15 instances will be deleted and recreated as astronaut crews change. The typical configuration will be 6 instances for orbiting astronauts, 3 for in- transit astronauts, 3 in staging phase, 3 in JSC IRD Lab.	HPES Agrees
The virtual instances will reside in an ITAMS-managed OU and will be covered under an ITAMS IT Security Plan.	HPES Agrees
ACES and ITAMS need to determine how to get the software licenses validated since this requires contacting KMS servers.	The KMS servers are accessible to any computers on the NASA network. As long as the VMs are able to connect to the NASA network when installed they will be able to register their licenses with the KMS server. HPES will not perform this function.
ITAMS and ACES need to determine who is best suited for providing backup service for these instances.	If the computers are not part of the ACES OU then they cannot be backed up by any ACES backup solution. HPES will not perform this function.
Type of Service/Service Options: *Platform: None* *Payment Method: See above* *Operating System: Microsoft* *Monitor: None* *Return To Service: None* *Hardware Technology Refresh Cycle: None* *System Administration: None* *Standard Load: Included* *Docking Station Solution: None* *Backup: Not Provided by ACES*	HPES' approach is consistent with the NASA-listed requirements.

HPES will implement the service beginning 5 business days after the acceptance of the IUP. HPES will provide NASA with a USB storage device with the most recent Windows 7 64 bit Gold Build Image in VMWare format. HPES will provide updated Gold Build images approximately every 6 months through the end of the contract base period.

C. PRICING –

The following Gold Build image provisioning pricing is comprised of the engineering labor required to provision the Gold Build image for the specific requested scope, periodic updating of the image (estimated at no more than 3 times), and the charge for the use of Gold Build image software itself.

The period of performance will begin following NASA's acceptance of the IUP in a contract modification. Beginning 5 business days after IUP acceptance, HPES will provide NASA with a USB storage device containing the Windows Gold Build image in VMWare format, and again as the Gold Build image is updated twice yearly.

The price is based on HPES' enterprise agreements for use of ACES software (as described in Section 2.0 above) by NASA, plus the engineering labor to provide the proposed approach for provisioning and supporting the initial image and image updates. The price is based on this specific requirement for 15 images for the specific usage required by this IUP and period of performance.

For labor, HPES mapped the requirements and skill sets required by the ACES Gold Build image updates to the Labor Category – Apprentice IT Analyst to provide the proposed fixed price for labor, based on the estimated hours required to accomplish the work. The following table shows the pricing of the requested services.

BOE – Gold Build Image Provisioning and Labor for the Period of Performance

Timeframe	Item	Units	Monthly Unit Price	Total Monthly Price	No. of Months	Total SW Price
CY3 May 2014 – CY4 Oct 2015	Gold Build Provisioning	15	■	■	18	■
	Total SW Price					■

Timeframe	Labor	Hours	Apprentice IT Analyst Rate (Schedule I-10)	Labor Price
CY3 May 2014*	Initial Gold Build	▮	■	■
CY4 Dec 2014*	Image Update	▮	■	■
CY4 June 2015*	Image Update	▮	■	■
CY4 Oct 2015*	Image Update	▮	■	■
Total Labor Price				■

*Dates for provisioning of the image updates are approximate and typically occur twice per year. HPES has learned that the next Gold Build update is not expected until December 2014.

D. BILLING SCHEDULE –

The total charge for the IUP is ▮▮▮▮▮▮ HPES will invoice NASA following implementation and after each Gold Build update has been provisioned. The invoice will include the accumulated monthly charge for the use of the Gold Build since the previous invoice, and the update labor. The following table provides an approximate invoicing schedule.

IUP Invoice Schedule

Date	Gold Build Monthly Charge	Labor for Updates	Invoice # and Amount	
May-14	▮▮▮	▮▮▮	▮▮▮	Invoice #1
Jun-14	▮▮▮			
Jul-14	▮▮▮			
Aug-14	▮▮▮			
Sep-14	▮▮▮			
Oct-14	▮▮▮			
Nov-14	▮▮▮			
Dec-14	▮▮▮	▮▮▮	▮▮▮	Invoice #2*
Jan-15	▮▮▮			
Feb-15	▮▮▮			
Mar-15	▮▮▮			
Apr-15	▮▮▮			
May-15	▮▮▮			
Jun-15	▮▮▮	▮▮▮	▮▮▮	Invoice #3*
Jul-15	▮▮▮			
Aug-15	▮▮▮			
Sep-15	▮▮▮			
Oct-15	▮▮▮	▮▮▮	▮▮▮	Invoice #4*
Total IUP			▮▮▮	

*Date and invoice amounts are approximate and are dependent on the date the Gold Build update is ready. Depending on timing, a third update may not be necessary. Only updates that are performed will be invoiced.

D. ASSUMPTIONS –

The initial provisioning will be of a Windows 7 64 bit Gold Build image.

The Gold Build image will include the following software:
- .NET
- Windows Media Player
- Windows Firewall
- ActivIdentity (DSI)
- Entrust ESP for Outlook
- Entrust ESP for Windows
- Symantec Endpoint Protection
- Dell KACE Agent
- Microsoft Internet Explorer

- Microsoft Office (Professional Edition with Outlook)
- Microsoft Word
- Microsoft Excel
- Microsoft PowerPoint
- Microsoft Outlook
- Microsoft Access
- Microsoft OneNote
- Microsoft Publisher
- Microsoft Lync
- Pidgin
- Adobe Reader X
- Silverlight
- FileNet Desktop e-Forms
- DirectX
- Windows Installer
- Windows Update Client
- Software Refresh Portal
- Timbuktu
- Microsoft Visual C++ 2005 Redist
- Microsoft Visual C++ 2008 Redist
- Microsoft Visual C++ 2010 Redist

The image will be in a VMWare format compatible with VMWare Workstation 10.

The list of applications is subject to change based on the 2804.

The total amount for A.5) ▮▮▮▮▮▮▮ **Version 1.2** **ACES Gold Build Image for Crew Support LAN-JSC**	▮▮▮▮▮

NOTE:

1. Attachment I-7, Summary of IUPs incorporated into this contract is replaced in its entirety as reflected on the attached document.

2. All other terms and conditions of this contract remain unchanged.

ATTACHMENT I-7 - SUMMARY OF INFRASTRUCTURE UPGRADE PROPOSALS (IUP)

IUP - Number	Proposal Title	Version	Date Approved	Ending POP	Negotiated Value	Mod Number
▮	Microsoft Enterprise License Bridge		6/17/11	7/1/11	▮	4
▮	File Services Seat Support - GRC	2.0	12/29/11		▮	21
			2/24/13	2/1/12	▮	35
▮	DSA Support – LaRC/COD		2/24/12		▮	35
		2.0	9/28/12		▮	88
		2.1	2/5/13	10/1/15	▮	128
▮	DSA Support –LaRC/A1		2/24/12		▮	35
		2.0	9/28/12	10/1/15	▮	88
▮	DSA Support – LaRC/D5		2/24/12		▮	35
		2.0	9/24/12	10/1/15	▮	88
▮	DSA Support – LaRC/D322		2/24/12		▮	35
		2.0	9/28/12	10/1/15	▮	88
▮	DSA Support – LaRC/AH		2/24/12		▮	35
		2.0	9/28/12	10/1/15	▮	88
▮	DSA Support – LARC/C1		2/24/12		▮	35
		2.0	9/28/12	10/1/15	▮	88
▮	DSA Support – LaRC/D214		2/24/12		▮	35
		2.0	9/28/12	10/1/15	▮	88
▮	DSA Support – LaRC/E5-E6		2/24/12		▮	35
		2.0	9/28/13		▮	88
		2.1	12/18/12	10/1/15	▮	133
▮	Enhanced System Admin Services – HQ/SMD		1/11/12		▮	25
		2.0	11/1/12	10/1/15	▮	96
▮	Enhanced System Admin Services – HQ/ITCD		12/15/11		▮	18
		2.0	10/31/13		▮	95
		2.0 Cancelled	9/4/13	10/1/15	▮	187
▮	Enhanced System Admin Services – HQ/ADMIN		12/15/11		▮	18
		2.0	11/1/12	10/1/15	▮	96
▮	Dedicated System Admin Services- GRC/R		12/29/11	10/1/15	▮	21
▮	Dedicated System Admin Services- GRC/D		12/29/11	10/1/15	▮	21
▮	Dedicated System Admin Services – GRC/BLDG 3		12/29/11	10/1/15	▮	21
▮	Dedicated System Admin Services- GRC/FT		12/29/11	10/1/15	▮	21
▮	Purchase of ODIN Assets – JSC		1/25/12	1/1/12	▮	28
▮	Dedicated System Admin Services - GRC/H		12/29/11	10/1/15	▮	21
▮	Dedicated System Admin Services – GRC/BLDG 142		12/29/11	10/1/15	▮	21
▮	Enhanced System Admin Services – HQ/CSSC		1/25/12		▮	28
		2.0	2/6/13	10/1/15	▮	129
▮	MIP Solution – NSSC		1/25/12	10/1/15	▮	28
▮	DSA Support – LaRC/E4		2/24/12	10/1/15	▮	35
▮	DSA Support – LaRC/B2		2/24/12	10/1/15	▮	35
▮	DSA Support – LaRC/C2		2/24/12	10/1/15	▮	35
▮	DSA Support – LaRC/D304		2/24/12		▮	35
		1.0	2/6/13	10/1/15	▮	129
▮	DSA Services – MSFC/Bldg 4200		2/24/12		▮	35
		2.0	3/15/13	10/1/15	▮	142

| IUP - Number | Proposal Title | Version | Date Approved | Ending POP | Negotiated Value | Mod Number |

IUP - Number	Proposal Title	Version	Date Approved	Ending POP	Negotiated Value	Mod Number
[redacted]	Dedicated Support Services - MSFC/XP		2/14/12		[redacted]	32
		2.0	1/18/13	12/1/14	[redacted]	122
[redacted]	Dedicated System Administration Services - MSFC/NEACC		2/13/12	10/1/15	[redacted]	32
[redacted]	Dedicated Move Support Services at MSFC/AS21		2/24/12		[redacted]	35
		1.2	7/23/12			66
		1.3	9/19/12			84
		1.4	10/2/12			89
		1.5	11/1/12			96
		2.0	12/4/12			108
		3.0	9/30/13	9/1/14		199
[redacted]	Enhanced System Administrator Services - HQ/COOP		2/13/12		[redacted]	32
		2.0	10/8/12	10/1/15	[redacted]	91
[redacted]	Dedicated System Admin Services – SSC/GPO		2/3/12	10/1/15	[redacted]	30
[redacted]	DSA Services– SSC/KACE		2/24/12	10/1/15	[redacted]	35
[redacted]	Move Support - HQ	1.0	2/24/12		[redacted]	35
		2.0	7/3/12			66
		3.0	1/8/13	7/1/15		119
[redacted]	DSA Support – LaRC/E3		2/24/12	10/1/15		35
[redacted]	Dedicated System Administration Services – ARC/A		3/12/12	10/1/15	[redacted]	38
[redacted]	Dedicated System Administration Services – ARC/JA	1.0	3/12/12		[redacted]	38
			4/12/13	4/1/13	[redacted]	150
[redacted]	Dedicated System Administration Services – ARC/HR		3/12/12		[redacted]	38
			4/12/13	4/1/13	[redacted]	150
[redacted]	Enhanced System Administration Services – HQ/Lenel	1.0	3/12/12		[redacted]	38
		2.0	5/21/13			159
		2.1	8/8/13			178
		2.2	4/22/14	10/15/15		239
[redacted]	JSC Software and Support Purchases	2.0	3/30/12			45
			8/6/12			74
		3.0	5/9/13	10/31/15		157
[redacted]	Enhanced System Administration Support – GSFC/JPSS		4/19/12	10/1/15	[redacted]	51
[redacted]	Google Pilot Support- HQ		3/1/12	5/1/12	[redacted]	38
[redacted]	Move Support – GRC/GESS IT		5/11/12	7/1/12	[redacted]	57
[redacted]	Dedicated Support Services – GRC/KACE		4/13/12	10/1/15	[redacted]	49
[redacted]	ProofPoint Privacy Module Pilot – Phase		5/30/12	9/1/12	[redacted]	61
[redacted]	Move Support – KSC/GSD&O, LX		3/16/12	3/1/12	[redacted]	42
[redacted]	ELVIS II Computer Seat Installation		3/21/12		[redacted]	42
			4/18/12			49
			5/22/12			58
			8/27/12	8/24/12		78
[redacted]	Enhanced System Administration Services – HQ/SW Librarian	2.0	4/3/12		[redacted]	45
			10/31/13	10/1/15	[redacted]	95
		2.0 Cancelled	9/4/13		[redacted]	187
[redacted]	DFRC Purchase of ODIN Assets		4/24/12	5/15/12	$4,900.00	51
[redacted]	Move Support II – KSC/GSD&O, LX		3/23/12	3/1/12	[redacted]	45
[redacted]	Dedicated Support Services – GRC/KACE		5/1/12	10/1/15	[redacted]	53

ATTACHMENT I-7 - SUMMARY OF INFRASTRUCTURE UPGRADE PROPOSALS (IUP)

IUP - Number	Proposal Title	Version	Date Approved	Ending POP	Negotiated Value	Mod Number
	Dedicated System Support - DFRC/MI		5/21/12	10/1/15		58
	Domain Controllers - JSC/MCC		6/1/12	10/1/15		52
	GRC Equipment Usage- "Lights On"		8/24/12	10/1/12		78
	NSSC Early Tech Refresh		8/6/12	7/1/12		74
	Enhanced Large File Transfer	2.2	8/26/13	10/1/15		185
	DAR Expedited Deployment – NSSC		7/24/12	8/1/12		71
	SSC Early Tech Refresh		10/3/12	10/1/12		90
	KSC WINS Server Support		9/27/12			87
			12/5/13	10/1/15		214
	Increased NOMAD Mailbox Size		2/6/13	10/1/15		130
	JSC Early Tech Refresh		3/11/2013	4/1/12		140
	KSC New Seat Installs- TOSC	2.0	1/18/13			122
			1/31/13			125
		3.1	2/12/13	3/1/13		132
	Elevated Privileges (EP) Provisioning Support – SSC		10/12/12			93
			11/14/13	10/1/15		205
	LaRC Early Tech Refresh		10/12/12	9/1/12		93
	MSFC/Bldg. 4200-SEB		10/30/12			95
			9/30/13			198
			11/22/13	9/1/14		210
	Dedicated Support – Air Force Contact Records- KSC		1/30/13	10/1/15		125
	Early Mobility Upgrade-GRC Version 1.1		3/4/13	5/1/13		138
	Landsat Data Continuity Mission (LDCM) Support – GSFC		11/20/12	8/1/13		102
	Enhanced System Administration Services – HQ/I St.		2/26/13	7/1/14		136
	Dedicated System Administration – ARC/Bldg. 200		3/18/13	10/1/15		143
	Enhanced Support for DAR Installation and Activation – HQ		12/3/12	12/1/12		108
	Expedited DAR Encryption – GSFC		11/28/12	12/1/12		105
	GSFC Early Tech Refresh		1/10/13	1/1/13		121
	Vidyo Plugin Support for NASA DMV Pilot		2/1/13	10/1/15		126
	GSFC Early Tech Refresh - Additional		12/20/12	3/1/13		116
	MSFC Software Maintenance Purchase		12/20/12			116
		2.0	3/15/13	3/1/13		142
	Early Mobility Refresh IUP-KSC (Hansen Hurst)	1.2	8/22/13	8/1/13		183
	JSC Move Support (Bldg 4S)		1/10/13			120
		1.2	6/11/13	2/8/13		167
	Second Expedited DAR Encryption – GSFC		3/28/13	12/1/12		147
	Dedicated System Administration – ARC/Code I		3/18/13	10/1/15		143
	Early Tech Refresh IUP – GSFC (Singer)		1/30/13	4/1/13		125
	Support for MOD Z420 Compute Seats- JSC)		6/7/13	10/1/15		167
	Early Mobility Upgrade- WFF (Stuchlik)		1/30/13	2/1/13		125
	Early Tech Refresh-LaRC (Jan. 2013)		1/30/13	3/1/13		125
	ICAM NCAD Engineering Support		2/21/13			135
		1.1	8/21/13	11/1/13		183
	Early Tech Refresh-GSFC		4/17/13			152
	Early Mobility Refresh-SSC Feb 2013- 5 Users(Black, Golden, Kelly, Malcom, Cook)	1.3	2/21/13			135
		1.3	8/14/13			180
		1.3	8/14/13	8/1/13		180

IUP - Number	Proposal Title	Version	Date Approved	Ending POP	Negotiated Value	Mod Number
███	Dedicated System Admin – Walk-Up Support – ARC/Code I – Proposal		3/14/13	10/1/15	███	142
███	Early Tech Refresh-MSFC (Feb 2013-5 Users)		3/4/13	7/1/13	███	138
███	Early Mobility Refresh-KSC (Zari)		2/20/13	2/1/13	███	135
███	Early Tech Refresh-NSSC		3/11/13		███	140
		Cancelled	4/10/13	4/1/13	███	149
███	Early Mobility Refresh-KSC (Henry, Postell, Bundy)		3/4/13	3/1/13	███	138
███	Infrastructure Move Support – MSFC		3/4/13	5/1/13	███	139
	Early Mobility Refresh-MSFC (Wright)		3/28/13	3/1/13		147
	Early Tech Refresh-KSC (Deal)	1.2	8/7/13	8/1/13		178
	Early Tech and Mobility Refresh-SSC	1.1	3/28/13			147
		1.1	4/3/13	4/1/13		148
███	Early Mobility Refresh-MSFC (Wright)		3/28/13	3/1/13	███	147
███	Early Mobility Refresh-GRC (Shalkhauser)		3/28/13	5/1/13	███	147
███	Additional Printer – Model C6000/DFRC	2.1	3/25/13		███	145
		2.3	9/26/13	10/1/15	███	196
███	Early Tech Refreshes – GSFC (April 2013)		4/25/13	11/1/13	███	155
███	Early Mobility Refresh-KSC (June 2013)		6/27/13	8/1/13	███	173
███	SSC WINS Server Support	Cancelled	5/24/13		███	███
			███			164
	SSC Legacy OU Support	Cancelled	5/24/13			161
			5/31/13			164
███	SSC Early Tech Refresh		5/8/13	6/1/13	███	157
	Early Tech Refresh-NSSC		6/7/13	7/1/13		167
	KSC Move Support - NE		6/3/13	6/1/13		166
███	Dedicated System Administration Support– ARC/MCC		7/12/13	7/1/13	███	173
███	KSC Move Support-LX		6/19/13	7/1/13	███	171
███	GRC Software Subscription – Discovery	1.1	7/15/13		███	175
		1.2	11/26/13	7/1/13	███	210
███	Early Tech Refresh-GSFC (Nair)		6/19/13	11/1/13	███	171
	Early Tech Refresh-ARC (Agnew)		6/20/13			171
		cancelled	7/2/13			173
███	Early Tech Refresh - JSC (Logan)		6/27/13	7/1/13	███	173
███	Early Mobility Refresh-GSFC (July 2013)		7/12/13	7/1/13	███	175
███	Early Tech Refresh-HQ (Shin)	1.1	7/12/13	8/1/13	███	175
███	Early Tech Refresh-KSC (Comstock)		7/12/13	8/1/13	███	175
	Domain Controllers – JSC/JWST	1.3	11/26/13	10/1/15		210
███	Early Mobility Refresh-DFRC (Hernandez)	1.1	7/12/13	7/1/13	███	175
███	Early Mobility Refresh-HQ (Watkins)		7/12/13	8/1/13	███	175
███	Software Inventory Report for ACES Compute Seats-DFRC		8/7/13	11/1/13	███	178
███	Early Tech Refresh-GRC (Meyer)	1.1	8/7/13	10/1/13	███	178
	HQ Mobile Device BOT Correction	1.3	12/5/13	1/31/14		214
	Move Support for 10 Servers - SSC	1.1	9/26/13			196
			11/26/13	12/1/13		210
███	Early Tech Refresh-LaRC (Roberts)		8/7/13	8/1/13	███	178
███	Early Tech Refresh-GSFC (3 Compute Seats)		8/7/13	8/1/13	███	178
███	ITIL Support for EUSO	1.2	9/25/13	4/1/14	███	196
		1.4	12/17/14	4/30/14	███	217
███	Early Tech Refresh-LaRC		11/15/13	10/1/13	███	205
	Early Tech Refresh-LARC		8/28/13	8/1/13		186
███	Data Center Relocation Support – HQ/ITCD		9/5/13	9/1/13	███	188

ATTACHMENT I-7 - SUMMARY OF INFRASTRUCTURE UPGRADE PROPOSALS (IUP)

IUP - Number	Proposal Title	Version	Date Approved	Ending POP	Negotiated Value	Mod Number
██████████	Early Tech Refresh – GSFC (Nov 2013 – 4 Users)	1.1	11/26/13	12/1/13	████	210
████████	Migrate 42 HOSC Shared Exchange Mailbox accounts		9/16/13	10/1/13	████	192
████████	Reduced Gold Load for Z420 Compute Seats – JSC/MOD	1.2	12/5/13	10/1/15	████	214
████████	Support for Loaner Laptops for International Use GRC	1.1	1/23/14	10/31/15	████	222
		1.3	5/19/14		████	247
		2.1	1/23/14	10/31/15	████	222
		2.3	5/19/14		████	247
████████	CMOE ROME Transition 300 Compute Seats – LaRC	1.1	10/29/13	2/1/14	████	201
████████	MFD Seat Change Assessment – GRC	1.0	11/26/13	12/10/13	████	210
		2.1	3/12/14	4/12/14		230
████████	Early Mobility Refresh - KSC	1.1	10/29/13	10/1/13	████	201
████████	Global Precipitation Measurement (GPM) Launch Site Support – GSFC	1.1	11/15/13	6/1/14	████	205
████████	Early Tech Refresh-GSFC (Estep)		12/5/13	12/1/13	████	214
	Early Tech Refresh-GSFC (Strong)	1.1	11/15/13	10/1/13		205
	Early Tech Refresh-LaRC (Sparrow)	1.1	12/5/13	12/1/13		214
	NSSC Check Scanning System Support	1.1	1/23/14	10/31/15		222
████████	Early Tech Refresh (Compute) – NSSC (Total 32)	1.0	4/25/14	5/31/14	████	241
████████	Early Tech Refresh (Mobility) – ARC (3 Users)	1.0	4/4/14		████	236
████████	Early Tech Refresh (Compute) – GSFC (Cornwell)	1.1	4/25/14		████	245
████████	Early Tech Refresh (Mobility) – KSC (Org AA)	1.0	4/4/14		████	236
████████	Early Tech Refresh (Mobility) – GSFC (Raphael)	1.1	5/6/14		████	245
████████	**ACES Gold Build Image for Crew Support LAN-JSC**	**1.2**	**5/15/14**	**10/31/15**	████	**248**
████████	Early Tech Refresh (Compute) – GSFC (Mazur Wartts)	1.1	4/25/14		████	245
████████	Early Tech Refresh (Mobility) – LaRC (Roe)	1.0	4/9/14		████	236
████████	Early Tech Refresh (Compute) – GSFC (Hronek)	1.0	5/6/14		████	245
████████	Dedicated Support Services-MSFC/IS	1.0	4/22/14		████	239
████████	Early Tech Refresh (Mobility) – JSC (Weyland)	1.0	5/6/14		████	245
████████	Early Tech Refresh (Mobility) – JSC (Fry)	1.0	4/30/14		████	245
████████	**Early Mobility Refresh – JSC (Saiz)**	**1.0**	**5/14/14**		████	**248**
████████	**Early Tech Refresh (Compute) – JSC (Tapia)**	**1.0**	**5/15/14**		████	**248**
████████	**Early Mobility Refresh – JSC (Wyche)**	**1.0**	**5/20/14**		████	**248**
████████	**Early Tech Refresh (Compute) – HQ (McNally)**	**1.0**	**5/20/14**		████	**248**

	Total Value	████