

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT						1. CONTRACT CODE		PAGE OF PAGES 1 / 10 w/attachments				
2. AMENDMENT/MODIFICATION NO. 451			3. EFFECTIVE DATE See Block 16c		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)					
6. ISSUED BY John F. Kennedy Space Center, NASA Procurement Office Kennedy Space Center, FL 32899			CODE OPOS		7. ADMINISTERED BY (If other than Item 6)			CODE				
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Space Gateway Support, LLC 1980 N. Atlantic Ave., Suite 330 Cocoa Beach, FL 32931						9A. AMENDMENT OF SOLICITATION NO.						
						9B. DATED (SEE ITEM 11)						
						10A. MODIFICATION OF CONTRACT/ORDER NO. NAS10-99001						
						10B. DATED (SEE ITEM 13) August 21, 1998						
CODE		FACILITY CODE										
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS												
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, <input type="checkbox"/> 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)												
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.												
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 D. OTHER (Specify type of modification and authority) MUTUAL AGREEMENT OF THE CONTRACTING PARTIES												
IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return 3 copies to the issuing office.												
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)												
1. The purpose of this modification is to incorporate executed Article B-5 actions from 08 Nov 06 through 15 Aug 07 as indicated in the tables below. This modification also includes CCR 06-18 issued April 11, 2006 and CCR 06-34 issued April 9, 2006 not included on the last B-5 incorporation modification number 398. WLI 3.4.2 changes for CCR 06-38 issued July 29, 2006 are superseded by the update to the WBS 3.4 WLIs in Modification 434 issued June 18, 2007. WLI 3.2 changes for CCR 07-05 issued November 22, 2006 and CCR 07-11 issued December 15, 2006 are currently being partnered in IPT meetings. B-5 actions for B-5 CCRs 07-04, 07-05, 07-14, 07-36, 07-40, 07-41 do not have any SOW, TE or WLI changes associated with them.												
CCR Numbers												
06-18	06-34	07-07	07-10	07-12	07-13	07-23	07-24	07-27	07-28	07-29	07-30	07-34
07-35	07-37	07-39	07-42	07-44	07-45	07-46	07-47	07-48	07-50	07-51	07-52	07-53
07-62	07-63	07-65	07-69	07-70	07-71	07-72	07-73	07-74	07-75			
2. Changes in this modification do not affect contract value. Changes are shown on the attached pages.												
3. In consideration of the modification agreed to herein, the contractor hereby releases the government from any and all liability under this contract for further equitable adjustments attributable to such facts and circumstances giving rise to the proposal for adjustment.												
15A. NAME AND TITLE OF SIGNER (Type or print) Victoria G. Lockard Director, Contracts						16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Ernest G. Tweedie Contracting Officer						
15B. CONTRACTOR/OFFEROR <i>Victoria G. Lockard</i> (Signature of person authorized to sign)				15C. DATE SIGNED <i>20 Sept 07</i>		16B. UNITED STATES OF AMERICA <i>EG Tweedie</i> (Signature of Contracting Officer)			16C. DATE SIGNED <i>21 SEP 07</i>			

CHANGES UNDER B.5.B ACTIONS:

1. CCR 06-18, Descope: Facility 07001 O&M Program Change: The contractor is instructed to descope infrastructure O & M responsibilities at Facility 07001, Complex-12. Reference the attached excerpt from the OMEU matrix and Technical Exhibit 5.5-826.

The contractor shall make the changes to the OMEU matrix and Technical Exhibit 5.5-826.

NRO Descope 1 27 06 OMEU

Fac #	Name	Sub	System	O	M	EN	US	CRI	CON	MEE	Remarks
07001	READY BUILDING - CX 12	AC	POWER, #07001 READY BLDG CX 12 LV	A	A	A	X	N	N		
07001	READY BUILDING - CX 12	FA	FIRE ALARM, #07001 READY BUILDING	A	A	A	A	N	Y		TECH EXHIBIT 5.5-503
07001	READY BUILDING - CX 12	HV	HVAC, #07001 READY BUILDING, CX 12	A	A	A	A	N	N		TECH EXHIBIT 5.5-511
07001	READY BUILDING - CX 12	SR	STRUCTURE, #07001 READY BLDG CX 12	A	A	A	X	N	N		
07001	READY BUILDING - CX 12	SY	FIRE SPRINKLER, WET, #07001 READY BLDG	A	A	A	X	N	Y		CX 12
07001	READY BUILDING - CX 12	WP	POTABLE WATER, #07001 READY BLDG CX 12	A	A	A	X	N	N		CTR LTR SGS-VGL-02-315

Technical Exhibit 5.5-826 NRO CX Descope Changes

116	CX12		X	X	Mow from the fence line in, incl. 30ft security zone around it
117	ICBM ROAD AT CX12		X	X	FIRE/SECURITY BREAK

See Technical Exhibit attached.

2. CCR 06-34, Janatorial Towel Services Descope: The contractor shall eliminate towel services at KSC fitness and exercise facilities located in buildings M7-0355 (O&C) and K6-1096 (OSB). The period of performance is from 1 Oct 06 through 30 Sep 08. As a result of this change, Attachment J-1, Statement of Work 2.2.4 and Attachment J-12, Workload Indicators, are updated (see attached).

3. CCR 07-07, CM & Capstone Training Drill: Technical Exhibit 2.3-01, Completed One-Time Special Projects, (attached) is hereby changed as follows: Add the following paragraph :

97. Space Gateway Support is directed, to have one person attend the NNSA Consequence Management Program semi annual Capstone Training Drill on November 16, 2006 on Nellis AFB at the Remote Sensing Laboratory in Las Vegas, NV. Attendee is also to attend the applicable training course held November 13 through November 15 2006. Agenda and course outline will be provided. Total period of performance for this effort is November 13, 2006 through November 17, 2006.

4. CCR 07-10, MSBLS Fire Alarm & Suppression System Turnover: The contractor is authorized to proceed with fire alarm and suppression system service/maintenance effective 8 Dec 06 for KSC MSBLS Buildings J5-2000, J5-583, H5-2274 and K6-309 to Space Gateway Support for fire alarm and suppression system service/maintenance effective December 8, 2006 through September 30, 2008.

The contractor shall make the changes to the OMEU matrix as follows:

Fac #	Name	Sub	System	O	M	EN	US	CR	CON	MEE	Remarks
H5-2274'	MICROWAVE SCAN BEAM L/S R/W 33	FA	FIRE ALARM, H5-2274 MSBLS AZIM/DME R/W33N	E	E	NASA	X	N	Y		ADD PER 11/03 FCA
H5-2274'	MICROWAVE SCAN BEAM L/S R/W 33	SC	FIRE SUPPRESSION, INERGEN SYSTEM	E	E	NASA	X	N	Y		USA K22885 PENDING TURNOVER TO JBOSC. *MOD 286/CCR 02-037* ; NON-CRITICAL PER SCA09FS01-001
H5-2324'	MSBLS MONITOR R/W 33 N	AC	POWER, H5-2324 MSBLS MONITOR R/W 33N LV	L	L	USA	L	C	Y		P10-G-01
H5-2324'	MSBLS MONITOR R/W 33 N	AC	POWER, H5-2324 MSBLS MONITOR R/W 33N HV	E	E	SGS	C	C	Y		P10-G-01
H5-2324'	MSBLS MONITOR R/W 33 N	SR	STRUCTURE, H5-2324 MSBLS MONITOR R/W 33N	E	E	SGS	L	N	N		
J5-0533'	MSBLS MONITOR R/W 15 N	AC	POWER, J5-0533 MSBLS MONITOR R/W 15S LV	L	L	USA	L	C	Y		P10-G-01
J5-0533'	MSBLS MONITOR R/W 15 N	FG	GROUNDING, J5-0533 MSBLS MONITOR R/W 15	X	X	NASA	X	N	N		PER 2005 FCA
J5-0533'	MSBLS MONITOR R/W 15 N	LU	LTG PROT, J5-0533 MSBLS MONITOR R/W 15 N	X	X	NASA	X	N	N		PER 2005 FCA
J5-0533'	MSBLS MONITOR R/W 15 N	SR	STRUCTURE, J5-0533 MSBLS MONITOR R/W 15N	E	E	SGS	X	N	N		
J5-0583'	MSBLS ELEVATION R/W 15 STA	AC	POWER, J5-0583 MSBLS ELEVATION R/W 15 LV	L	L	USA	L	C	Y		P10-G-01
J5-0583'	MSBLS ELEVATION R/W 15 STA	AC	POWER, J5-0583 MSBLS ELEVATION R/W 15 HV	E	E	SGS	C	C	Y		P10-G-01
J5-0583'	MSBLS ELEVATION R/W 15 STA	FA	FIRE ALARM, J5-0583 MSBLS ELEVATION R/W 15 STA	E	E	NASA	X	N	N		K22885
J5-0583'	MSBLS ELEVATION R/W 15 STA	HV	HVAC, MSBLS-GS/JR SHUTTLE LANDING SITES	L	L	USA	L	C	Y		REF. E-K16393-G. O&M PERFORMED BY: KSC-USA 5614; DFRC-LOCKHEED MARTIN SPACE MISSION SYSTEMS & SERVICES CO.; WSSH- ALLIED SIGNAL; TAL- USA 5262.
J5-0583'	MSBLS ELEVATION R/W 15 STA	SC	FIRE SUPPRESSION, INERGEN SYSTEM	E	E	NASA	X	N	Y		USA K22885 PENDING TURNOVER TO JBOSC. *MOD 286/CCR 02-037*
J5-0583'	MSBLS ELEVATION R/W 15 STA	SR	STRUCTURE, J5-0583 MSBLS ELEVATION R/W15	E	E	SGS	X	N	N		STATION
J5-2000'	MSBLS ELEVATION R/W 33 STA	AC	POWER, J5-2000 ELEVATION R/W 33 STA LV	L	L	USA	L	C	Y		P10-G-01
J5-2000'	MSBLS ELEVATION R/W 33 STA	AC	POWER, J5-2000 ELEVATION R/W 33 STA HV	E	E	SGS	C	C	Y		P10-G-01
J5-2000'	MSBLS ELEVATION R/W 33 STA	FA	FIRE ALARM, J5-2000 MSBLS ELEVATION R/W 33 STA	E	E	NASA	X	N	Y		K22885
J5-2000'	MSBLS ELEVATION R/W 33 STA	HV	HVAC, MSBLS-GS/JR SHUTTLE LANDING SITES	L	L	USA	L	C	Y		REF. E-K16393-G. O&M PERFORMED BY: KSC-USA 5614; DFRC-LOCKHEED MARTIN SPACE MISSION SYSTEMS & SERVICES CO.; WSSH- ALLIED SIGNAL; TAL- USA 5262.
J5-2000'	MSBLS ELEVATION R/W 33 STA	SC	FIRE SUPPRESSION, INERGEN SYSTEM	E	E	NASA	X	N	Y		USA K22885 PENDING TURNOVER TO JBOSC.

33 STA										*MOD 286/CCR 02-037*
'J5-2000'	MSBLS ELEVATION RW 33 STA	SR	STRUCTURE, J5-2000 MSBLS ELEVATION RW33	E	E	SGS	L	N	N	STATION
'J5-2050'	MSBLS MONITOR, SOUTH RUNWAY 33	AC	POWER, J5-2050 MSBLS MONITOR R/W 33S LV	L	L	USA	L	C	Y	P10-G-01
'J5-2050'	MSBLS MONITOR, SOUTH RUNWAY 33	AC	POWER, J5-2050 MSBLS MONITOR R/W 33S HV	E	E	SGS	C	C	Y	TO HISTORY, HV LOCATED @ J5-2000 PER O&M.
'J5-2050'	MSBLS MONITOR, SOUTH RUNWAY 33	FG	GROUNDING, J5-2050 MSBLS MONITOR, S RUNWY	X	X	NASA	X	N	N	PER 2005 FCA
'J5-2050'	MSBLS MONITOR, SOUTH RUNWAY 33	LU	LTG PROT, J5-2050 MSBLS MONITOR S RUNWAY	X	X	NASA	X	N	N	PER 2005 FCA
'J5-2050'	MSBLS MONITOR, SOUTH RUNWAY 33	SR	STRUCTURE, J5-2050 MSBLS MONITOR R/W 33S	E	E	SGS	L	N	N	USA IS USER OF BLDG ONLY
'J6-2364'	MSBLS-JR CERTIFICATION FACILITY	AC	POWER, J6-2364 MSBLS - JR ANTENNA LV	L	L	USA	L	C	Y	P10-G-01
'J6-2364'	MSBLS-JR CERTIFICATION FACILITY	FG	GROUNDING, J6-2364 MSBLS JR.	E	E	SGS	X	N	N	LSOC-2
'J6-2364'	MSBLS-JR CERTIFICATION FACILITY	SR	STRUCTURE, J6-2364 MSBLS JR CERTIFICAT'N	E	E	SGS	X	N	N	AUTHORITY: S32606 (LEVEL II) MSBLS TOWER FACILITY
'J6-2365'	MSBLS STORAGE BUILDING	AC	POWER, J6-2365 MSBLS STORAGE BUILDING LV	L	L	USA	L	N	N	D-SA463-G.
'J6-2365'	MSBLS STORAGE BUILDING	HV	HVAC, J6-2365 MSBLS STORAGE BUILDING	L	L	USA	L	N	N	D-SA463-G.
'J6-2365'	MSBLS STORAGE BUILDING	SR	STRUCTURE, J6-2365 MSBLS STORAGE BLDG.	X	X	NASA	X	N	N	D-SA463-G.
'K6-0258'	MSBLS MONITOR, R/W 15	AC	POWER, K6-0258 MSBLS MONITOR R/W 15S LV	L	L	USA	L	C	Y	P10-G-01
'K6-0258'	MSBLS MONITOR, R/W 15	AC	POWER, K6-0258 MSBLS MONITOR R/W 15S HV	E	E	SGS	C	C	Y	P10-G-01
'K6-0258'	MSBLS MONITOR, R/W 15	SR	STRUCTURE, K6-0258 MSBLS MONITOR R/W 15S	E	E	SGS	X	N	N	
'K6-0309'	MSBLS AZ/DME RW 15	AC	POWER, K6-0309 MSBLS AZIM/DME R/W 15 LV	L	L	USA	L	C	Y	P10-G-01
'K6-0309'	MSBLS AZ/DME RW 15	AC	POWER, K6-0309 MSBLS AZIM/DME R/W 15 HV	E	E	SGS	C	C	Y	P10-G-01
'K6-0309'	MSBLS AZ/DME RW 15	FA	FIRE ALARM, K6-0309 MSBLS AZ/DME RW 15	E	E	NASA	X	N	Y	K22885
'K6-0309'	MSBLS AZ/DME RW 15	HV	HVAC, MSBLS-GS/JR SHUTTLE LANDING SITES	L	L	USA	L	C	Y	REF. E-K16393-G. O&M PERFORMED BY: KSC-USA 5614; DFRC-LOCKHEED MARTIN SPACE MISSION SYSTEMS & SERVICES CO.; WSSH- ALLIED SIGNAL; TAL- USA 5262.
'K6-0309'	MSBLS AZ/DME RW 15	SC	FIRE SUPPRESSION, INERGEN SYSTEM	E	E	NASA	X	N	Y	USA K22885 PENDING TURNOVER TO JBOSC.
'K6-0309'	MSBLS AZ/DME RW 15	SR	STRUCTURE, K6-0309 MSBLS AZ/DME RW 15	E	E	SGS	X	N	N	*MOD 286/CCR 02-037*

5. CCR 07-12 Medical Service Reduction Immunization: The contractor is authorized to proceed with the reduction in medical service by Discontinue immunizations, allergy injections and other patient services not regulatory required to 45 SW active duty military and 45 SW Civil Service personnel. Period of performance is 15 Aug 06 through 30 Sep 08. As a result of this change Attachment Section J-1, Statement of Work, WBS 3.5.1.2 (Specific Work Requirements) and Attachment J-12, Workload Indicators, WBS 3.5.1 are updated (attached).

6. CCR 07-13, Medical Service Reduction 45SW Active Duty and Civil Servants: Space Gateway Support is directed to reduce the service provided by eliminating routine medical service and occupational physicals except scape suit exams for 45 SW active duty military and civil service personnel. Period of performance is 15 Aug 06 through 30 Sep 08. As a result of this change Attachment Section J-1, Statement of Work, WBS 3.5.1.2 (Specific Work Requirements) and Attachment J-12, Workload Indicators, WBS 3.5.1 are updated (attached).

7. CCR 07-23, Technician for Wallops Island Training: Section J, Attachment J-5, Technical Exhibit 2.3-01, Completed One-Time Special Projects, (attached) is hereby changed as follows:

98. Provide a technician and seven (7) KSC Cat VI SCAPE suites to Wallops to conduct suit training and perform a fueling dry run at a fueling area on Wallops Main Base. Period of performance: February 2007

8. CCR 07-24, Increased CALEA/Goldstone One-Time Security Support: Section J, Attachment J-5, Technical Exhibit 2.3-01, Completed One-Time Special Projects, (attached) is hereby changed as follows:

99. Contractor shall provide one-time increased KSC NASA Federal Law Enforcement Training (NFLET) Academy general security activity supporting the Commission on the Accreditation for Law Enforcement Agencies (CALEA), March 14-17, 2007 and basic NFLET for NASA JPL-Goldstone, April 1-27, 2007

9. CCR 07-27, Reduce Refuse Collection on CCAFS: Space Gateway Support is to reduce the subject service provided effective 02 Feb 07 through 30 Sep 08. Pursuant to this change, Section J, Attachment J-1, SOW 2.2.2.3, Attachment J-12, Workload Indicators WBS 2.2.2 and Technical Exhibit 2.2.2.3B, (CCAFS Refuse) are updated (attached).

10. CCR 07-28, LPF Gate One-Time Security Support: Section J, Attachment J-5, Technical Exhibit 2.3-01, Completed One-Time Special Projects (attached) is hereby changed as follows:

100. Contractor shall provide above baseline spacecraft processing security access control support at the CCAFS Large Processing Facility (LPF) area gate. The support shall be partnered with and called up by government functional/stakeholder effective January 24, 2007 through February 15, 2007

11. CCR 07-29, Janitorial Services for SEB Bldg M6-0787: Space Gateway Support is to provide custodial services (general of facility and cleaning offices, conference rooms, rest rooms, and trash removal) to new Source Evaluation Building, M6-0787 for the period of performance of 1 February 2007 through 30 September 2008. As a result of this change Section J, Attachment J-5, Technical Exhibit 2.2.4 (Janitorial Data) has been revised (attached).

12. CCR 07-30, Deletion of NOTU Rover (DETEX) Patrol: Space Gateway Support is to eliminate the CCAFS Naval Ordnance Test Unit (NOTU), one member, eight hours a day, seven days a week (1/8/7) security roving patrol effective 0600 hours, March 2, 2007. As a result of this change Section J, Attachment J-5, Technical Exhibit 3.1.2-03, (Baseline Realignment Posture for FY04-08) has been revised (attached).

13. CCR 07-34, SGS support. MPAC: Space Gateway Support will support AMPAC under Space Act Agreement KCA-4130. AMPAC will ship 2 cylinders (one empty one filled with N2O4) to KSC. SGS support shall consist of the following:

- Mole-sieve the N2O4 to reduce the iron content to an acceptable level.
- Adjust nitric acid if it is determined to be necessary.
- Ship both cylinders back to AMPAC in Niagara Falls, NY.

This project shall take place within the period March 20, 2007 through September 30, 2008. Section J, Attachment J-1, SOW 2.3, One-Time Special Projects for Customers is attached.

14. CCR 07-35, LPF (SMAB) One-Time Security Support: Section J, Attachment J-5, Technical Exhibit 2.3-01, Completed One-Time Special Projects (attached) is hereby changed as follows:

101. Contractor shall provide above baseline spacecraft processing security access control support at the CCAFS Large Processing Facility (LPF) area entry control. The support shall be partnered with and called up by government functional/stakeholder effective April through June 2007.

15. CCR 07-37, Reduction of Termite Inspection/Treatment and Reinstatement of Mosquito

Control: Space Gateway Support is to (1) eliminate termite inspection/treatment effective 23 February 2007 through 30 September 2008 for Cape Canaveral AFS (CCAFS) as initially directed by Change Order 404 and (2) reinstate mosquito fogging and larvae control service effective 10 May 2007 through 30 September 2008. This will include fogging or spraying for Adult and immature larvae in accordance with applicable/established standards and practices. Total reduction period for CCAFS mosquito control was from 23 February 2007 (as directed by Change Order 404) through 9 May 2007. The termite inspection/treatment reduction will not affect NASA facilities on CCAFS. As a result of the above, Section J, Attachment J-1, Statement of Work 2.2.2.2 (Pest Control) is updated (attached).

16. CCR 07-39, De-Scope O&M Responsibilities for Facilities 01725 and 55073: Space Gateway Support will eliminate contract requirements for O&M responsibilities for facility and systems in Facilities 01725 and 55073 effective 10 February 2006 through 30 September 2008.

The contractor shall make the changes to the OMEU matrix as follows:

55073 NRO Vehicle Maint Shop

Fac #	Name	Sub	System	O	M	EN	US	CRI	CON	MEE	Remarks
55073	VEHICLE MAINT. SHOP	AI	COMPRESSED AIR, #55073 VEHICLE MAINT FAC	A	A	USAF	A	N	N		ADD PER 08/05 FCA.
55073	VEHICLE MAINT. SHOP	FA	FIRE ALARM, #55073 VEHICLE MAINT SHOP	A	A	USAF	A	N	Y		ADD PER 08/05 FCA.
55073	VEHICLE MAINT. SHOP	HV	HVAC, #55073 VEHICLE MAINT SHOP	A	A	USAF	A	N	N		ADD PER 08/05 FCA.
55073	VEHICLE MAINT. SHOP	SR	STRUCTURE, #55073 VEHICLE MAINT SHOP	A	A	USAF	A	N	N		
55073	VEHICLE MAINT. SHOP	SY	FIRE SPRINKLER, #55073, VEHICLE MAINT FAC	A	A	USAF	A	N			SON 00143183/81K001140
55073	VEHICLE MAINT. SHOP	WP	POTABLE WATER, #55073 VEHICLE MAINT SHOP	A	A	USAF	A	N	N		INCLUDES SAFETY SHOWER & EYEWASH STATION PER MAR F-114; ADD PER 08/05 FCA.

Hgr K NRO Descope

Fac #	Name	Sub	System	O	M	EN	US	CRI	CON	MEE	Remarks
01725	HANGAR	AC	POWER, #01725 HANGAR K	A	A	USAF	A	N	N		CTR LTR SGS-VGL-02-315

	K		(AF ACCT) LV								
01725	HANGAR K	AI	COMPRESSED AIR, #01725 HGR K	A	A	USAF	A	N	N		TECH EXHIBIT 5.5-517 AND 901
01725	HANGAR K	CR	CRANE, #01725 HANGAR K, 25 TON BRIDGE	A	A	USAF	A	N	N		ID #S CRGQE01 & CRGQF01
01725	HANGAR K	CR	CRANE, #01725 HANGAR K, 25 TON BRIDGE	A	A	USAF	A	N	N		ID #S CRGQE01 & CRGQF01
01725	HANGAR K	FA	FIRE ALARM, #01725 HANGAR K	A	A	USAF	A	N	Y		TECH EXHIBIT 5.5-503
01725	HANGAR K	FG	GROUNDING, #01725 HANGAR K	A	A	USAF	A	N	N		ADD PER 05/05 FCA.
01725	HANGAR K	GN	MISC GASEOUS SYSTEMS, CCAFS	A	A	USAF	A	N	Y		FH ADDED PER PVS REPORT KSCE-8244-0155, WJ PER KSCE-8244-0162, SM GN2 PER KSCE-8244-0161, TM PER KSCE-8244-0128, FH GHE PER KSCE-824409154, WJ GHE PER KSCE-8244-0159, SM GHE PER KSCE-8244-0158. TE 7.0-109.
01725	HANGAR K	HE	MISC GASEOUS SYSTEMS, CCAFS	A	A	USAF	A	N	Y		FH ADDED PER PVS REPORT KSCE-8244-0155, WJ PER KSCE-8244-0162, SM GN2 PER KSCE-8244-0161, TM PER KSCE-8244-0128, FH GHE PER KSCE-824409154, WJ GHE PER KSCE-8244-0159, SM GHE PER KSCE-8244-0158. TE 7.0-109.
01725	HANGAR K	HV	HVAC, #01725 HANGAR K (AF ACCT.)	A	A	USAF	A	N	N		TECH EXHIBIT 5.5-511 NORESKO WARRANTY
01725	HANGAR K	LU	LTG PROT, #01725 HANGAR K	A	A	USAF	A	N	N		ADD PER 05/05 FCA.
01725	HANGAR K	SR	STRUCTURE, #01725 HANGAR K, CCAFS	A	A	USAF	A	N	N		
01725	HANGAR K	SS	SANITATION/SEWAGE, #01725 HANGAR K	A	A	USAF	A	N	N		PER R.P. CYCLE INV. 6/10/03
01725	HANGAR K	SY	FIRE SPRINKLER, #01725 HGR K	A	A	USAF	A	N	Y		TECH EXHIBIT 5.5-504
01725	HANGAR K	WP	POTABLE WATER, #01725 HANGAR K	A	A	USAF	A	N	N		CTR LTR SGS-VGL-02-315; INCLUDES 2 SAFETY SHOWER & EYEWASH STATIONS PER MAR.F0114.

17. CCR 07-42, Descope of Annual Maintenance Costs for FileNet Software: Space Gateway Support will descope the annual software license maintenance agreement costs associated with FileNet Forms Application effective for FY07 and FY08 license agreement periods. The associated annual software maintenance updates/revisions shall be provided through a NASA Agency-wide Enterprise License.

Section J, Attachment J-5, Technical Exhibit 7.0-007, will be adjusted to reflect this change at the next major update of this technical exhibit.

18. CCR 07-44, Langley FAA One-Time Security Support: Section J, Attachment J-5, Technical Exhibit 2.3-01, Completed One-Time Special Projects (attached) is hereby changed as follows:

- Contractor shall provide one-time Security Police Officer Federal Arrest Authority (FAA) and Security Fundamentals Course (SOFC) Training during May 28 through June 29, 2007 at the NASA Langley Research Center, VA.

19. CCR 07-45, Health Phys. support of MSL Radiation Contingency Planning: Section J, Attachment J-5, Technical Exhibit 2.3-01, Completed One-Time Special Projects (attached) is hereby changed as follows:

103. Contractor shall provide one-time Health Physics representative to support the HQ Launch Planning Committee develop the Radiation Contingency Support Plan for Mars Science Launch (MSL) mission from 8 through 10 May 2007.

20. CCR 07-46, Primer Carrier Assembly CT NDE Support: Section J, Attachment J-5, Technical Exhibit 2.3-01, Completed One-Time Special Projects (attached) is hereby changed as follows:

104. Contractor shall provide one-time Primer Carrier Assembly Computer Tomography (CT) NDE support for the Engineering and Safety Center.

21. CCR 07-47, Support PAFB C-130 Aircraft, 17 May 07: Section J, Attachment J-5, Technical Exhibit 2.3-01, Completed One-Time Special Projects (attached) is hereby changed as follows:

105. Contractor shall provide lavatory service at PAFB for a C-130 aircraft on Thursday, 17 May 2007 at approximately 5:00 pm. Work is expected to be accomplished on 2nd shift, 8 hours of overtime.

22. CCR 07-48, SLRS Platform Truck Vehicle Maintenance: Space Gateway Support will provide licensing and periodic vehicle maintenance support for the ITT/SLRS (Space Launch Range Services) vehicle listed below in support of 920th mission support. The maintenance requirements associated with the vehicle include, but are not limited to: acceptance inspections, preventative maintenance and annual servicing, to include emergency maintenance support. USAF Vehicle: IHC 2006 Model 7600 Aerial Lift Truck.

Section J, Attachment J-12, Workload Indicators, will be adjusted as part of the negotiated requirements of CCR 07-32 which is currently in process.

23. CCR 07-50, NDE Huntington Off-Site: Section J, Attachment J-5, Technical Exhibit 2.3-01, Completed One-Time Special Projects (attached) is hereby changed as follows:

106. Contractor shall provide an NDE engineer to perform evaluation of x-rays for GLAST and STSS 2nd stage propellant tanks at Huntington Beach, CA from 4 through 8 June 2007.

24. CCR 07-51, NRO VOM Support (Freightliners, Scissor Lift & Floor Sweeper): Space Gateway shall provide vehicle maintenance support additional NRO vehicles. The listed vehicles support shall include but not be limited too: acceptance inspections (Freightliner Road Tractors shall be accomplished in accordance with previously provided HQ AFSPC direction and reporting instructions), preventative maintenance, annual/interval service and emergency maintenance support.

<u>Year</u>	<u>Make</u>	<u>Model</u>	<u>Serial Number</u>	<u>Name</u>
2006	Freightliner	Columbia CL 120	1FJA6CK37LT61543	Road Tractor
2006	Freightliner	Columbia CL 120	1FJA6CK37LT61544	Road Tractor
2006	JLG	4069	LE 200163288	Scissor Lift
1996	Tennant	7400	7400-3152	Floor Sweeper

Section J, Attachment J-12, Workload Indicators, will be adjusted as part of the negotiated requirements of CCR 07-32 which is currently in process. Work load indicator for WBS 3.2.2 (Vehicles and equipment maintained at CCAFS/PAFB) shall increase by 4 (four).

25. CCR 07-52, CAPPS Crane Scale Calibration: Space Gateway Support will provide calibration support for three CAPPS Crane Scales, Model MSI 9300CS. Support includes crating, shipping and annual calibration. Manufacturer: Measurement Systems International. Period of Performance: 28 June 2007 through 30 September 2008. As a result of the above, Section J, Attachment J-5, Technical Exhibit 3.2.3.2-01 is updated (attached).

26. CCR 07-53, Employee Assistance Program Counselor: Space Gateway Support will provide increased Employee Assistance Program (EAP) counselor support in accordance with J-1, Statement of Work, Section 3.5 commensurate with the increased workload indicator of Section J, Attachment J-12 from 1,200 visits to 2,000 visits per year. Increased performance is effective from 20 Aug 07 through 30 September 2008. As a result of the above, Attachment J-12, Workload Indicator 3.5.1 (EAP) is updated (attached).

27. CCR 07-62, Thread Ring Gauge Calibration: Space Gateway Support will provide calibration support for 12 Thread Ring Gauges. Two gauges will require calibration in both FY07 and FY08. The remaining 10 gauges will require calibration in FY08. Period of performance is 1 Aug 07 through 30 September 2008. As a result of the above, Section J, Attachment J-5, Technical Exhibit 3.2.3.2-01 is updated (attached).

28. CCR 07-63, NASA Federal Law Enforcement Training (NFLET) FY08 Increase: Space Gateway Support will provide increased FY08 NASA Federal Law Enforcement Training (NFLET), Commission of the Accreditation for Law Enforcement Academy (CALEA) support and Security Officer Fundamentals Course (SOFC) training for the period 1 Oct 07 through 30 Sep 08. As a result of the above, Attachment J-12, Workload Indicator 3.1.2 (Security) is updated (attached).

29. CCR 07-65, Reduce Patrick AFB Vehicle Operations Overtime Call-in Support: Space Gateway Support will reduce Patrick AFB Vehicle Operations call-in support, 1900-0700 hours by 1,250 hours (FY08 Decision Package 18C). Changes are effective from 1 Oct 07 through 30 Sep 08. As a result of the above, Attachment J-12, Workload Indicator 3.2.2 (Transportation) is updated (attached).

30. CCR 07-69, NASA SBU from ACI: Space Gateway Support will transition from from Administratively Controlled Information (ACI) to NASA Sensitive But Unclassified (SBU) criteria/markings. The period of performance is 1 Aug 07 through 30 Sep 08. As a result of the above, Section J, Attachment J-1, Statement of Work 3.1.2.8 (Personnel Security) is updated (attached) and Attachment J-5, new Technical Exhibit 3.1.2.8-01 is attached.

31. CCR 07-70, NDE Ultrasonic for Delta II Second Stage Inspection at Decatur, Alabama: Section J, Attachment J-5, Technical Exhibit 2.3-01, Completed One-Time Special Projects (attached) is hereby changed as follows:

107. Contractor shall provide NDE Ultrasonic support of a Delta II Second Stage Tank at ULA's facilities in Decatur, AL for the period 6 through 8 Aug 2007.

32. CCR 07-71, Reduce SRMC Design Work Load Indicator: Space Gateway Support will reduce AF O&M Design Services annual baseline for projects valued at \$6M to \$3.05M (FY08 Decision Package 10C) effective for the period 1 Oct 07 through 30 Sep 08. As a result of the above, Attachment J-12, Workload Indicator 2.1.2 (Design Specification Services) is updated (attached).

33. CCR 07-72, Eliminate Baseline Inspection Support: Space Gateway Support will eliminate Baseline Inspection support (FY08 Decision Package 2C) effective for the period 1 Oct 07 through 30 Sep 08. As a result of the above, Attachment J-1, Statement of Work 2.1.3 (Construction Engineering), 2.1.3.1 (Construction Management), 2.1.3.3 (Construction Cost Engineering) and Attachment J-12, Workload Indicator 2.1.3 (Engineering and Construction Services) is updated (attached).

34. CCR 07-73, Reduce Real Property and Space Utilization Services: Space Gateway Support will reduce Real Property and Space Utilization Services (FY08 Decision Packages 3C/11C) effective for the period 1 Oct 07 through 30 Sep 08. As a result of the above, Attachment J-1, Statement of Work 2.1 (Engineering Services), 2.1.1.2 (Space Planning) and Attachment J-12, Workload Indicator 2.1.1 (Facilities Planning) is updated (attached).

35. CCR 07-74, Reduce Energy Services: Space Gateway Support will reduce Energy Services (FY08 Decision Package 12C) effective for the period 1 Oct 07 through 30 Sep 08. As a result of the above, Attachment J-1, Statement of Work 2.1.4.1 (Energy Management Program), 2.1.4.3 (Reports and Plans), 2.1.4.4 (Water Management Program) and Attachment J-5, Technical Exhibit 2.1.4 (Energy Management Office Periodic Report Requirements) is updated (attached).

36. CCR 07-75, Reduce Configuration Drafting/Management Services: Space Gateway Support will reduce Configuration Drafting/Management Services (FY08 Decision Packages 4C/5C) effective for the period 1 Oct 07 through 30 Sep 08. As a result of the above, Attachment J-1, Statement of Work 2.1.2.4.1 (Operations and Maintenance Documentation) is updated (attached).

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and supported. The period of performance covered by this B.5 action is from July 14, 2006 through 30 Sep 06. (Mod 398).

90. Contractor shall support the 45 Space Wing Guardian Challenge security force training effort 9 through 18 August 2006. Support consist of two security officers to participate with 45 Security Forces Squadron personnel conducting consolidated tactical training to develop and strengthen force protection tactical proficiency skills in direct support of safeguarding space lift assets. (Mod 398)
91. The Contractor shall provide NDE Level III Radiographer Engineer assist in the evaluation on 2nd stage tank weld on the STEREO space craft on site at Boeing's Huntington Beach CA facility from 21 Jul 06 through 24 Jul 06. SGS to provide follow-on consult support for abnormality discovered in the subsequent data from STEREO space craft. SGS is also to provide one level III Radiographer Engineer and two NDE technicians to perform ultrasonic and visual inspections of welded brackets on the STEREO spacecraft on-site at Boeing's Decatur AL facility from 27 Aug 06 through 28 Aug 06. (Mod 398)
92. The contractor shall transport two UH-1 helicopters (418 and 419) from KSC to US Helicopter in Alabama for refurbishment/upgrade. The period of performance was in the last week of July, 2006. (Mod 398)
93. The contractor shall provide lavatory service at PAFB for a C-20 aircraft on Sunday 30 July, 2006 at 1640L. Dates and times are estimated but work is expected to be accomplished by 2nd Shift Personnel. (Mod 398)
94. The contractor shall transport four UH-1 helicopters from Temple, TX to US Helicopter in Ozark, Alabama for refurbishment/upgrade. The helicopters will be ready for pick up and transport about 2 Oct 06. (Mod 398)
95. The contractor shall provide one stair truck and one flat bed to transport equipment and personnel support for operation of equipment at the West Palm Beach International Airport, Florida. This airfield services support is required starting January 11, 2006 through January 12, 2006. (Mod 398)
96. The contractor shall provide one stair truck and one flat bed to transport equipment and personnel support for operation of equipment at the West Palm Beach International Airport, Florida. This airfield services support is for February 16, 2006. (Mod 398)
97. Space Gateway Support is directed, to have one person attend the NNSA Consequence Management Program semi annual Capstone Training Drill on November 16, 2006 on Nellis AFB at the Remote Sensing Laboratory in Las Vegas, NV. Attendee is also to attend the applicable training course held November 13 through November 15 2006. Agenda and course outline will be

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- provided. Total period of performance for this effort is November 13, 2006 through November 17, 2006. (CCR 07-07, Mod 451)
98. Provide a technician and seven (7) KSC Cat VI SCAPE suites to Wallops to conduct suit training and perform a fueling dry run at a fueling area on Wallops Main Base. Period of performance: February, 2007 (CCR 07-23, Mod 451)
 99. Contractor shall provide one-time increased KSC NASA Federal Law Enforcement Training (NFLET) Academy general security activity supporting the Commission on the Accreditation for Law Enforcement Agencies (CALEA), March 14-17, 2007 and basic NFLET for NASA JPL-Goldstone, April 1-27, 2007. (CCR 07-24, Mod 451)
 100. Contractor shall provide above baseline spacecraft processing security access control support at the CCAFS Large Processing Facility (LPF) area gate. The support shall be partnered with and called up by government functional/stakeholder effective January 24, 2007 through February 15, 2007. (CCR 07-28, Mod 451)
 101. Contractor shall provide above baseline spacecraft processing security access control support at the CCAFS Large Processing Facility (LPF) area entry control. The support shall be partnered with and called up by government functional/stakeholder effective April through June 2007. (CCR 07-35, Mod 451)
 102. Contractor shall provide one-time Security Police Officer Federal Arrest Authority (FAA) and Security Fundamentals Course (SOFC) Training during May 28 through June 29, 2007 at the NASA Langley Research Center, VA. (CCR 07-44, Mod 451)
 103. Contractor shall provide one-time Health Physics representative to support the HQ Launch Planning Committee develop the Radiation Contingency Support Plan for Mars Science Launch (MSL) mission from 8 through 10 May 2007. (CCR 07-45, Mod 451)
 104. Contractor shall provide one-time Primer Carrier Assembly Computer Tomography (CT) NDE support for the Engineering and Safety Center. (CCR 07-46, Mod 451)
 105. Contractor shall provide lavatory service at PAFB for a C-130 aircraft on Thursday, 17 May 2007 at approximately 5:00 pm. Work is expected to be accomplished on 2nd shift, 8 hours of overtime. (CCR 07-47, Mod 451)

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106. Contractor shall provide an NDE engineer to perform evaluation of x-rays for GLAST and STSS 2nd stage propellant tanks at Huntington Beach, CA from 4 through 8 June 2007. (CCR 07-50, Mod 451)

107. Contractor shall provide NDE Ultrasonic support of a Delta II Second Stage Tank at ULA's facilities in Decatur, AL for the period 6 through 8 Aug 2007. (CCR 07-70, Mod 451)

**J-BOSC TECHNICAL EXHIBIT 5.5-826
CCAS GROUNDS AREAS and REQUIREMENTS**

As of Oct 1997

PLOT NUMBER	AREA DESCRIPTION	PR-01 IMPVD GRNDS	PR-02 SEMI-IMPVD "A" GRND	PR-03 SEMI IMPVD "B" GRND	SPECIAL REQUIREMENTS
86	HEAVY LAUNCHED		X	X	
87	INDUSTRIAL AREA N/W	X			TREES, SHRUBS, HEDGES, PLANT BEDS
88	INDUSTRIAL AREA N	X			TREES, SHRUBS, HEDGES, PLANT BEDS
89	INDUSTRIAL AREA N/E	X			TREES
90	INDUSTRIAL AREA N/E	X	X		TREES, SHRUBS, PLANT BEDS
91	INDUSTRIAL AREA N	X			TREES, SHRUBS, HEDGES
92	INDUSTRIAL AREA W	X		X	TREES, SHRUBS, HEDGES, PLANT BEDS
93	INDUSTRIAL AREA W	X			TREES, SHRUBS, HEDGES, PLANT BEDS
94	INDUSTRIAL AREA W	X			TREES, SHRUBS, HEDGES, PLANT BEDS
95	INDUSTRIAL AREA CENTRAL	X			TREES, SHRUBS, HEDGES, PLANT BEDS
96	INDUSTRIAL AREA W	X			TREES, SHRUBS, HEDGES, PLANT BEDS
97	INDUSTRIAL AREA E	X			
98	INDUSTRIAL AREA CENTRAL	X			
99	INDUSTRIAL AREA W	X			TREES, HEDGES
100	INDUSTRIAL AREA W	X			
101	CX13 N/E		X	X	
102	CX13 N/W		X	X	
103	CX13 S/E		X		
104	CX13 X/W		X		
105	ICBM ROAD AT CX13		X	X	
106	FACILITY 34708	X	X		JOGGING TRAIL, FENCELINE
107	MERCURY ROAD		X	X	JOGGING TRAIL
108	MERCURY ROAD	X		X	TREES, SHRUBS, HEDGES, PLANT BEDS, JOGGING TRAIL
109	INDUSTRIAL AREA E	X			JOGGING TRAIL
110	INDUSTRIAL AREA S/E	X			JOGGING TRAIL
111	INDUSTRIAL AREA S	X			TREES
112	INDUSTRIAL AREA S	X			TREES, SHRUBS, HEDGES, PLANT BEDS
113	INDUSTRIAL AREA S/W	X			TREES, SHRUBS, HEDGES, PLANT BEDS
114	INDUSTRIAL AREA S	X			MOW BALL FIELD .5" TO 1.5", HEDGES
115	INDUSTRIAL AREA S/W	X		X	TREES, SHRUBS, PLANT BEDS
116	CX12		X	X	Mow from the fence line in, incl. 30ft security zone around it
117	ICBM ROAD AT CX12		X	X	FIRE/SECURITY BREAK
118	CENTRAL CONTROL ROAD		X	X	TRAIL, FIRE/SECURITY BREAK
119	FACILITY 50221	X	X	X	HEDGES, PLANT BED, FIRE BREAK, JOGGING TRAIL, SKID STRIP
120	SKIDSTRIP ROAD	X	X	X	TREES, FIRE/SECURITY BREAK
121	WEST APPROACH ZONE			X	
122	WEST APPROACH ZONE			X	
123	PHILLIPS PKWY TO INDUSTRIAL		X		GRASS WILL NOT EXCEED 8"
124	HANGAR RD TO INDUSTRIAL AREA		X		GRASS WILL NOT EXCEED 8"
125	DRMO AREA		X	X	TREES, FIRE/SECURITY BREAK
126	WEST APPROACH ZONE		X	X	450 x 1000 FT OVERRUN MAX 8"
127	WEST APPROACH ZONE				
128	WEST APPROACH ZONE		X	X	FIRE/SECURITY BREAK

The contractor shall provide a written statement certifying the accuracy of the workload data on an annual basis as of 30 September of each fiscal year. The first statement shall be no later than 30 September 2003.

WBS	Function	Workload Description or Document Title	Document Number (if Applicable)	Rev. Date
2.2.4	Custodial	<p>KSC Workload Data:</p> <ul style="list-style-type: none"> • Dust Mop/sweep – 1,236,396 sq. ft. • Damp Mop – 1,236,396 sq. ft. • Strip/Seal/Refinish – 1,238,785 sq. ft. • Recondition Corridors – 267,949 sq. ft. • Shampoo Carpeting – 1,548,730 sq. ft. • Vacuum Carpeting and Raised Tile Areas – 1,706,192 sq. ft. • Dusting/Damp Wipe – 2,855,515 sq. ft. • Clean Restrooms, Medical Offices/Laboratories and Clean Work Areas – 115,298 sq. ft. • Clean Water Fountains – 378 fountains • Empty Office Trash Receptacles – 20,000 receptacles • Empty Recycle Paper from Building Collection Points – 200 staged barrels • Empty Exterior Ash Trays – 684 containers • Glass Cleaning, Entry Windows/doors – 75,000 sq. ft. • Trouble Calls – 500 hours annually • Clean Windows/Blinds – 1 bi-annual • High Visibility Cleaning – 536,518 sq. ft. 		
2.2.4	Custodial	<p>Fitness Center towel service:</p> <ul style="list-style-type: none"> • KSC O&C, Rm. 1118 – 3,720 towels/mo., Tuesdays & Fridays • KSC OSB, Rm. 1301 – 2,480 towels/mo., 	<p>MOD 451 MOD 205 MOD 205</p>	

The contractor shall provide a written statement certifying the accuracy of the workload data on an annual basis as of 30 September of each fiscal year. The first statement shall be no later than 30 September 2003.

WBS	Function	Workload Description or Document Title	Document Number (if Applicable)	Rev. Date
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2.2.4	Custodial	<p style="text-align: center;"><u>Tuesdays & Fridays</u></p> <p>Laundry and Dry Cleaning Workload (*Indicates items that are not laundered):</p> <ul style="list-style-type: none"> • 45,173 Bath Mat • 2,603 Bedspread • 21 *Coverall • 12 *Curtain • 2 *Flag • 1 Flight Suit • 46,490 Hand Towel • 1,467 Mattress Pad • 810 Pillow • 52,627 Pillowcase • 94*Chaplain Robe • 44,769 Sheet – Queen • 14,301 Sheet – Twin • 259 Sleeping Bag • 75,540 Wash Cloth • 168 Dress Pants • 185 Dress Shirt • 165 Dress Jacket • 6*White Gloves 		
2.2.4	Custodial			
2.2.4	Custodial			

2.2.4 Custodial

The contractor shall provide custodial services at KSC and Jonathan Dickinson Missile Tracking Annex (JDMTA) facilities, including facility cleaning, special events support, immediate response to spills, glass breakage, overflows, and blood-borne pathogen cleaning. This task includes laundry and dry cleaning support for PAFB, ~~towel-service-for-fitness-or-exercise-facilities-at-KSC-(M7-355-and-K6-1096)~~, and specialized cleaning services for NASA and Air Force clean room/clean work area facilities and associated support equipment at CCAFS (Facility numbers 01428, 01619, 01728, 49635, 55005, 60505, and 60680) to meet customer cleanliness requirements. The contractor shall remove and reapply surface protective coating to the uncarpeted floor areas and shampoo the carpets in the Kennedy Children's Center (M6-0883) every 3 months. The contractor shall empty exterior smoking material receptacles in designated smoking areas on KSC only and shall ensure they are no more than 75% full at any time. Once every two years, on an "on-call" basis, the contractor shall clean those interior windows with no obstructions in front of them. (Mod 269) (Mod 451)

The contractor shall provide custodial support as listed in Technical Exhibit 2.2.4, Custodial Services, and shall maintain this to document locations and frequencies of services provided.

3.5 MEDICAL, ENVIRONMENTAL HEALTH AND ENVIRONMENTAL SERVICES

The contractor shall provide comprehensive medical and environmental support to maintain a healthful and productive workforce and to ensure regulatory compliant resource stewardship of KSC and 45th Space Wing environmental assets. This includes complying with all applicable environmental permits in accordance with 5.5-362.

The services under this contract shall be made available to all personnel at KSC and CCAFS and to specified personnel described in specific paragraphs below and to tenant personnel (as per base support agreements) resident at KSC/CCAFS. All services shall be performed within the limitations contained in their respective contracts and other agreements.

3.5.1 Medical

The contractor shall provide medical services consistent with the highest standards of practice in this field. The contractor shall provide occupational health examinations, treatments, medical reviews, laboratory, Emergency Medical Services (EMS), Employee Assistance Program (EAP), health education and wellness, health training, and administrative management for KSC and CCAFS. The contractor shall conduct medical treatments and first aid for occupational illnesses and injuries, and team with the NASA and AF medical officers to develop and maintain NASA-KSC physical examination standards and waiver procedures. Services shall be in accordance with current NASA-KSC and DOD physical examination standards. Excluding emergency medical services, only medical treatment identified by AF medical officers will be administered to military or AF civil service (Mod 451)

Certification and Licensures. All medical services shall be performed by certified/licensed medical staff. Contractor personnel supporting the Occupational Medicine (OM) program shall possess licensure, certification, training, credentials, experience, and qualifications commensurate with their functional areas. The contractor shall maintain all required certifications and licensures. The Director, Deputy Director and the Internist/Cardiologist shall be a physician, Board certified, in a preventive medicine or primary care specialty. These physicians shall be graduates of accredited schools of medicine or osteopathy and shall be licensed to practice medicine/surgery in one of the 50 states, the District of Columbia, or one of the U.S. territories. All other physicians shall be Florida Licensed and Board Certified in or have completed residency in either a preventive medicine or primary care specialty or have completed residency training in a non-preventive medicine or non-primary care specialty, and have a minimum of 2 years experience in occupational medicine or other preventive or primary care field. Board certification in occupational medicine is encouraged. A Florida license to practice medicine is required. All physicians shall maintain current American Heart Association (AHA) Basic Cardiac Life Support (BCLS), Course C; AHA ACLS provider, and Advanced Trauma Life Support (ATLS) certifications. All staff nurses shall be a registered nurse and maintain a current State of Florida license, maintain current AHA BCLS, Course C and ACLS provider certifications and obtain certification in Occupational Health Nursing within two years of becoming eligible by criteria established by the American Board of Occupational Health Nurses. All Emergency Medical Technicians shall maintain current State of Florida certifications as an EMT; maintain current AHA Basic Cardiac Life support (BCLS).

3.5.1.1 General Requirements. The contractor shall:

- Implement emergency medical services at all facilities consistent with current NASA and AF directives (e.g., JHB 2000 Rev A-1, KBM PL -1.2F, and KBM PL-1.3) and provide certified emergency medical services on all shifts; (Mod 232)
- Include OM Program activities that minimize sick leave and reduced productivity caused by marginal physical disability, and to reduce permanent disability and premature death;
- Provide an Environmental Health (EH) Program for operational support, and consultation services that permit KSC, CCAFS, PAFB and its mainland annexes and their centers, tenants, and visitors to provide a safe and healthful work environment through regulatory compliance and the implementation of an integrated OMEH Program;
- Provide support to activities, personnel, and facilities on KSC and CCAFS including ships/boats, when moored to the dock that are operated by the U.S. Government. OM services (excluding emergency medical services) and EH services, as deemed necessary by appropriate NASA/AF OM or EH personnel to support the OM services, shall also be provided to KSC/CCAFS contractors in vicinity of KSC/CCAFS;
- Provide support at certain shuttle landing sites other than KSC (such as TAL sites and emergency landing sites). Support shall be provided to specific activities when requested through appropriate authority at NASA, KSC, or the 45th Space Wing;
- Operate the medical facilities to meet customer needs, for the administrative and technical management of Occupational Medicine (OM) and Environmental Health (EH) functions, as specified in KNPD 1810.1, KSC Occupational Medicine Program; (Mod 297)
- The contractor shall use a health information management system for storage of medical records and data analysis of medical information;
- Provide certified medical laboratory services;
- Provide counseling and intervention services as part of the Employee Assistance Program including ongoing and new initiatives;
- Provide support to NASA and Air Force launches and landings, including staffing for TAL sites;
- Provide support to NASA and AF travel medicine program;
- Operate the first aid station at the KSC visitors complex;
- Provide medical oversight, logistical and consultative support to Solid Rocket Boosters (SRBs) recovery ships;
- Provide performance metrics and data requirements to meet government initiatives;
- Provide clinical and field experience in occupational health for medical clerks rotating through the KSC Medical Education Program;
- Comply with the NASA Agency requirements for quality assurance of health care organizations as described in NPR 1800.1, NASA Occupational Health Program Procedures;

- Comply with the applicable requirements of the Health Information Portability and Accountability Act (HIPPA); and
- Supply pharmaceuticals to the Life Sciences Contractor in support of the Astronaut Health Program for Space Shuttle launch and landing
- Implement the KSC Automated External Defibrillator (AED) Policy (TA-POLICY-012); Public Law 106-505 Public Health Improvement Act, Sections 401-404 Cardiac Arrest Survival; Guidelines for Public Access Defibrillation Programs in Federal Facilities (66 FR 28495); and NASA Occupational Health Program Guidelines for Implementing a Center Automatic External Defibrillator Program, Interim Guidance from the NASA Chief Health and Medical Officer. (Mod 348 (CCR 04-28))

3.5.1.2 Specific Work Requirements. The contractor shall provide a preventive medicine program to promote the physical and psychological well being of the worker in the work place and the maintenance and improvement of the health of employees. The contractor shall not provide medical treatment to include preventative medical treatment not regulatory required to military, AF civil service and AF contract personnel. (Mod 451)

Health Examinations. Health examinations shall be administered in accordance with KBM-ST-2.1, Medical Standards. The contractor shall not provide health examinations to military and AF civil service employees except for those requiring SCAPE Suit certification. (Mod 451)

Emergency Medical Services. The contractor shall assure appropriate certifications for those providing emergency medical care and maintain ambulance emergency equipment and supplies. A physician with emergency training shall be available either on-site (KSC/CCAFS) or on-call at all times.

The contractor shall:

- Provide emergency response services for all areas of the Cape Canaveral Spaceport. This emergency response capability shall be provided on a 24 hours a day 7 days a week basis by Advance Cardiac Life Support (ACLS) qualified firefighters/paramedics who shall perform fire fighting duties/medical response, as deemed necessary;
- Provide a Triage Vehicle capable of bringing basic emergency provisions to a contingency scene and the vehicle shall be maintained in a ready condition by the contractor;
- Provide ACLS emergency medical coverage including ambulance service. Ambulance response times shall meet community ambulance response standards;
- Provide on-site treatment directed at the relief of pain; preservation of life, limb, and function; and stabilization. Transportation to on-site medical facilities or evacuation to local hospitals for evaluation and definitive and/or continuing treatment will be determined by the on-site physician or on duty registered nurse in consultation with a physician;
- Provide emergency medical services, including flight crew contingency care and first aid coverage for visitors, during launch and landing operations;

- Coordinate with local medical resources as listed in J-BOSC Technical Exhibit 7.0-036, Memorandum of Understanding, in the event of mass casualties or operational contingencies; and
- Complete and forward to the 45th Medical Group one copy of an approved documentation form for each Air Force employee (military or civilian) treated for injuries.

Occupational Medicine Services. The contractor shall provide clinical services in K6-1145 (Launch Area Clinic) (minimum of a registered nurse), first shift Monday through Friday, except holidays, and in M6-495 (Occupational Health Facility) 10 hours a day, 5 days a week, Monday through Friday, except holidays. Occupational injuries and illnesses shall be evaluated and treated, and appropriate recommendations shall be made for disposition. The contractor shall only treat military and AF civil service employees with emergency related occupational injuries and illnesses. The contractor shall provide a comprehensive Worker's Compensation Program for NASA civil Servants that are permanently assigned, or while on temporary assignment to KSC/CCAFS, to ensure injured workers receive appropriate medical services as quickly as possible in order to reduce time lost from work. The disposition, depending upon severity, may include the following: (Mod 451)

- Treat and return the individual to work with a minimum time away from the job, stating appropriate work limitations, if any; the single point of contact (to be designated by the employer) at the employee's assigned work site shall be advised of any limitations;
- Treat and recommend release from duty to return to the on-site medical facility for follow-up care; this disposition shall apply in those cases of relatively minor injuries that require no specialty examinations, consultations, or treatment beyond the capability of the staff at the on-site medical facility; the contractor shall complete the proper forms and notify the designated single point of contact;
- Provide first care evaluation, treatment, and referral for further physician care; and
- Complete and forward to the 45th Medical Group one copy of an approved documentation form for each Air Force employee (military or civilian) that received a physical exam

The contractor shall provide a registered nurse to support visitor and employee activities at the KSC Visitor Center Complex (VCC). The support provided shall be one shift per day during the open hours of the VCC, not to exceed 10 hours per day. This nursing support, operating under the direction of the contractor medical director and by protocols established within the J-BOSC medical department, shall provide evaluation of medical problems and treatment/disposition of minor medical problems for visitors at the Visitor Center. The nursing support shall also provide occupational medicine (OM) services to the Visitor's Center employees at levels comparable to that provided by nurses at other KSC OM facilities. The nurses shall also provide OM consultative services to the Visitor's Center management.

The contractor shall identify trends associated with minor or major injuries or illnesses that may be related to the work environment investigate the causes of these injuries and illnesses and recommend actions required for prevention. Minor non-occupational illnesses that develop on the job shall be evaluated. If the diagnosis is apparent and minimal treatment without release from work is appropriate, requiring no follow-up, that

treatment shall be rendered and the individual returned to duty. If these conditions warrant diagnostic or consultative services beyond that available at the on-site medical facility, or if a private physician's services shall be necessary to ensure comprehensive evaluation and/or treatment following first care necessary for stabilization and transport, the individual shall be referred to the private physician rather than being given further treatment at the on-site medical facility.

Minor non-occupational illnesses or injuries that develop or occur during non-working hours, and can be treated without lost time and additional follow-up visits, are to be treated by the on-site medical facility. Those non-occupational illnesses or injuries that will result in the individual's release from duty, duty limitation, or referral to a private physician, whether initially or in follow-up shall not be at the on-site medical facility, with the exception of first care necessary for stabilization and transport.

For all patients returning to work through the OM facilities after illnesses or lost time injuries, J-BOSC shall ensure that appropriate clearance or duty limitations are specified to their employers.

Laboratory, x-ray, or other tests within the scope and capability of the on-site medical facility may be performed at the request of a private physician if the conditions under evaluation or treatment are job related.

For non-occupational related illnesses or injuries, requests for laboratory or x-ray procedures that are received from private physicians shall only be conducted at the time of scheduled physical examinations and within scope and capability of the clinic. Other exceptions may include NASA retirees with medical disabilities whose continued surveillance by NASA physicians is considered of special interest to the government. [\(Mod 451\)](#)

Deleted: Exceptions to this may be made for military and military reservists on active duty at KSC and CCAFS who may come to the OM facilities instead of going to other U.S. Government Medical Facilities, where they are authorized full care.

The on-site medical facility shall administer treatments or medications (such as shots, blood pressure checks, and hormonal therapy) prescribed by the employee's private physician (or other treatments specifically requested by designated NASA or Air Force officials) if these on-site activities enable the employee to remain at work for the balance of the normal work shift or are otherwise in the best interest of the government. Services requested by the employee's private physician must be in writing. A contractor physician shall evaluate and approve, as appropriate, the written request. The employee shall furnish the necessary medications and required specialized equipment.

When significant abnormal conditions are discovered at the time of scheduled certification physical examinations or in the course of treatment for occupational illnesses or injuries, but which in themselves are not related to the patient's employment, patients will generally be referred to their private physician. Information on the evaluation and treatment shall be requested from the private physician to determine any effect on employment or need for work limitations.

Preventive Services. The contractor shall provide an Employee Assistance Program (EAP). Employee Assistance Program Administrator(s) and/or Counselor(s) shall possess a Masters Degree in Social Sciences, Psychology, or a related field, or the equivalent education/experience; and achieve EAP certification within 1 year after becoming eligible. The EAP shall include services related to alcohol and drug abuse prevention. It shall also focus on initial management training and education in the identification and treatment of employee stress including Critical Incident Stress Management (CISM) and Critical Incident Stress Debriefing (CISD). This will be followed

by emphasis on a consultation, evaluation and referral approach to the services provided. The contractor shall not provide medical treatment to include preventative medical treatment not regulatory required to military, AF civil service and AF contract personnel. (Mod 451)

The contractor shall make health maintenance examinations available to all NASA civil service employees. The scope and schedule of these Federal Employee Health Program (FEHP) examinations shall be in accordance with KBM-ST-2.1 Examinations or reasonable tests (including, but not limited to, serum thyroid studies and lipoprotein fractionation) may be required by designated officials of NASA or Air Force. The contractor shall also provide annual physical examinations to certain authorized personnel (including National Park Services, Defense Contract Audit Agency), who reside in regional KSC communities for whom KSC is geographically more expedient than other federal facilities. These physical examinations shall be completed according to the directives and benefits prescribed by their agency or department policies. (Mod 269)

The contractor shall provide a Health Education Program in coordination with NASA and Air Force medical programs.

The contractor shall provide on-site Health Training Programs for NASA employees and Air Force and NASA contractors, to include, but not be limited, to the following services: (Mod 451)

Deleted: employees

- First aid for KSC job certification requirements;
- Job required basic life support (BLS), including cardiopulmonary resuscitation (CPR) skills per American Heart Association National Standards;
- Advanced Cardiac Life Support (ACLS) for physicians, nurses, and emergency service personnel in accordance with state and local governmental requirements;
- OSHA directed programs for physicians, nurses, and emergency service personnel and other health care providers; and
- Other services as required by applicable state and federal standards and regulations

Clinical Laboratory Services. All Radiological-Laboratory Technologists shall maintain State of Florida licensure. The contractor shall provide collection of medical samples, CLIA (Clinical Laboratory Improvement Act) exempt laboratory procedures, x-rays (interpreted by certified radiologist), and other tests as appropriate to support the OM and Preventive Health Programs. With a valid physician's prescription, JBOSC shall provide additional laboratory services to include: clotting factor studies (INR values), glucose monitoring (fasting blood sugar and glycosolated hemoglobin), and fasting lipid profiles. (Mod 269)

Medical Support to SRB Retrieval Ships. The contractor shall provide medical supplies and materials for use on the SRB retrieval ships as directed by the government. The contractor medical director, in consultation with the government, and in conjunction with the SRB ship Captains, shall determine which medications and items will be supplied. This will include over-the-counter medications as well as prescription items. The designated ship authority (the ship's Captain) will have responsibility for storage, security, disposition, inspection, and inventory. The contractor shall conduct annual inventories of all ships controlled medications and supplies. Between annual inventories, the ship's Captain will conduct inspections of supplies and medications to determine

expiration status and quality, returning any questionable supplies and medications to the contractor for verification and replacement.

Medical Administrative Support. The contractor shall provide administrative support through the use of a Health Information Management System that supports physical examination management, patient scheduling and notification, front desk operations, and records management with capability for statistical and analytical data collection and retention. The system shall interface with the NASA Training Computer (PM50) for the automatic upload of medical certification data.

OMEHS Support to Transatlantic Abort Landing (TAL) Sites. The contractor shall provide a comprehensive travel medicine program, to include a physician, as part of the TAL site team pre-deployed to a TAL site, as required. The prime responsibility of this individual shall be to provide emergency medical and occupational medical care to the team and to communicate with and provide liaison between the pre-deployed team and local health care providers.

In the event of an actual TAL, the contractor shall provide a team headed by a physician that will be deployed to the site as part of the Rapid Response Team. The specific composition of the team shall be determined prior to each launch and coordinated with the government. The contractor shall be responsible for providing and maintaining the appropriate medications, equipment, and supplies for contractor provided health care and Environmental Health (EH) support at TAL sites.

Consulting Services. The contractor shall provide OM consulting services, within existing resources, to approved government and government contractor organizations. A Board certified physician (in an appropriate preventive medicine or clinical specialty) shall provide this service, assisted as needed by any other members of the medical and environmental health staff. Responsibilities include the evaluation of the workplace to make recommendations with regard to physical examination requirements for specific jobs or generic job categories based on assessment of the demands of the job and the environment in which it is accomplished. Such recommendations shall be made through the government to the requesting agency/contractor. Such evaluations also address specific health and safety concerns of the agency/contractor that are unique to the job or work area and supplemented by environmental studies accomplished by Environmental Health (EH) specialists to support appropriate OM recommendations.

The contractor shall provide a written statement certifying the accuracy of the workload data on an annual basis as of 30 September of each fiscal year. The first statement shall be no later than 30 September 2003.

WBS	Function	Workload Description or Document Title	Document Number (if Applicable)	Rev. Date
3.5	Medical and Environmental Health			
3.5.1	Medical	<p>Medical:</p> <ul style="list-style-type: none"> • 15,844 16,000 personnel at KSC/CCAFS • KSC Occupational Health Facility (M6-0495) hours of operation (0700-1700 M-F) • Launch Area Clinic (K6-1145) hours of operation (8 hr/day 5 days/week) • KSC Visitor Center (M6-0411) hours of operation (0900 – 1900 7 days/week) and during special events as requested. <p>Physical Exams:</p> <ul style="list-style-type: none"> • 9,200 Part I – (1.5 – 2.5 labor hr/appointment) • 6,500 Part II – (1-2 labor hr/appointment) • 1,400 Part III – (1 – 1.5 labor hr/appointment) • 17,844 18,000 medical treatments (0.5 – 2.5 labor hr/treatment) • 4,000 influenza immunizations • 55,000 medical records maintained <p>EMS:</p> <ul style="list-style-type: none"> • 2 Emergency preparedness exercises each at KSC and CCAFS • 150 First Aid Kits issued-maintained • 300 EMS responses – KSC • 100 EMS responses – CCAFS <p>Medical Laboratory:</p> <ul style="list-style-type: none"> • 1,000 x-rays • 34,029 lab samples • 4,500 electrocardiograms • 5,000 pulmonary function tests 	<p>MOD 205 MOD 451</p> <p>MOD 205</p> <p>MOD 205 MOD 451</p> <p>MOD 205</p> <p>MOD 205</p>	

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2.2.2.3 Trash Collection and Disposal. The contractor shall collect and dispose of refuse and bulk items for KSC and CCAFS. For the Florida Annexes, the contractor shall only collect, transport, and dispose of refuse. The contractor shall also remove and dispose of dead animals from the roads and near buildings and populated areas on KSC, CCAFS, and the Florida Annexes the same day as reported during normal working hours. If reported after normal working hours dead animals shall be removed and disposed of the following workday. The contractor shall provide special refuse handling at CCAFS and KSC for International Regulated Food Waste and trash resulting from food products obtained outside the United States, and shall operate the CCAFS Construction and Demolition Debris Landfill (C&D), CCAFS Asbestos Monofill, and KSC Class III landfills. This refuse task includes providing services to empty compactors and containers for CCAFS and KSC and refuse removal services for containers at the CCAFS Picnic Pavilion, CCAFS Museum, and at launch viewing sites. The contractor shall move recyclables from central locations inside facilities to outside recycle dumpsters for all KSC facilities. (Mod 204)

For all KSC Facilities and locations, the contractor shall collect, transport, and dispose of all KSC garbage, KSC office trash, and KSC solid waste to the Brevard County Landfill. Brevard County Landfill tipping fees shall be paid directly by NASA.

The contractor shall dispose of all vegetative material produced from the pruning or removal of trees, shrubs and hedges in the most economical and cost effective way. The most cost effective method of green waste disposal is allowing the green waste to decompose in a green waste disposal site or for the green waste to be used as fuel in a controlled-burn environment. The contractor shall transport vegetative waste material to Air Force and NASA-KSC designated green waste sites. The contractor shall obtain written permission from the government before placing green waste in a disposal site.

~~KSC Non-reusable wood pallets shall be collected on a work order and on-call basis. but not less frequently than once a month from a location nearby the general waste dumpsters at outside facilities (to be determined by facility managers and the contractor). CCAFS reusable pallets shall be turned in to Central Supply by the contractor's transportation section pallet generator. There are no wood pickup services performed on CCAFS by the JBOSC Contractor. (Mod 451)~~

2.2.2	Refuse, Pest Control, and Grounds Maintenance	<p>CCAFS Refuse Collection Services</p> <ul style="list-style-type: none"> • 1,210 tons by Front Load Compactor CCAFS Refuse (annual). • 2,880 tons CCAFS (excluding bulk items) Collect and deliver Refuse to Brevard County Solid Waste Disposal Facility. • 6 line items CCAFS FL Annex Refuse Collection Sites, Schedule & Services. • 13 tons – CCAFS Collect Scrap Metal (annual). • 26 trips of CCAFS dispose of Scrap Metal (annual). • 50 tons CCAFS and KSC (Note that a peak pickup day with a ship at Port may exceed 200 lbs. on any given day.) • 650 tons Collect and deliver bulk items to the CCAFS landfill. • 9 CCAFS and 3 Malabar Annex of Special Events (annually). • The Port Canaveral Area shall be serviced each Monday morning to eliminate weekend build-up of ship trash. • Annually estimated number of Regulated Food Waste collections at CCAFS and KSC (as needed annually). • 1,200 lbs annually – CCAFS Regulated Food Waste. 	MOD 451	
2.2.2	Refuse, Pest Control, and Grounds Maintenance	<ul style="list-style-type: none"> • 6 (each) CCAFS special events. 	(MOD 451)	
2.2.2	Refuse, Pest Control, and Grounds Maintenance	<ul style="list-style-type: none"> • 140 (each) CCAFS Front Load Compactor Truck trips (annual). • 538 Tons CCAFS Roll-off Truck (annual) • 170 (each) CCAFS Roll-off Truck trips (annual). 	(MOD 451)	

BLDG NR	LOCATION	TYPE	SIZE	QTY	NEW WEEKLY FREQUENCY
6	US COAST GD STA	Dumpster	8 CY	1	2
7	US COAST GD STA	Dumpster	8 CY	1	2
8	US COAST GD STA	Dumpster	8 CY	1	2
1042	FUEL STORAGE #1	Dumpster	6 CY	1	1
1047	FUEL STORAGE #1	Dumpster	6 CY	1	1
1050	FUEL STORAGE #1	Dumpster	6 CY	1	1
1061	NAVY EXCHANGE	Dumpster	8 CY	1	2
1062	POV PROCESSING BLDG	Dumpster	8 CY	1	2
1063	NAVY OUTPOST	Dumpster	8 CY	1	2
1068	PASS & ID BLDG	Dumpster	8 CY	1	1
1069	PORT CREW SHOP	Dumpster	8 CY	1	1
1102	ROCC ANTENNA FIELD	Dumpster	6 CY	1	1
1115A	HANGAR Y AREA, NORTH	Dumpster	6 CY	1	1
1115B	HANGAR Y AREA, SOUTH	Dumpster	6 CY	1	1
1117	HANGAR Y AREA, OPS WHSE	Dumpster	6 CY	1	1
1260	EOD RANGE	Dumpster	6 CY	1	1
1305A	DELTA OPS	Dumpster	6 CY	1	1
1361	STEARNS ROGERS BLDG	Dumpster	6 CY	1	1
1381	COAST GD BLDG	Dumpster	6 CY	1	1
1383A	WEATHER BLDG	Dumpster	8 CY	1	1
1385	NASA BOC STORAGE BLDG	Dumpster	6 CY	1	1
1428	NRC BLDG	Dumpster	8 CY	1	1
1604	HANGAR H	Dumpster	6 CY	1	1
1606	HANGAR G	Dumpster	8 CY	1	1
1608	MAINTENANCE SHOP	Dumpster	8 CY	1	1
1611	HANGAR F	Dumpster	6 CY	1	1
1612	HANGAR E	Dumpster	6 CY	1	1
1619	OPTICAL EQUIP STORAGE	Dumpster	6 CY	1	1
1622	EOD BLDG	Dumpster	8 CY	1	1
1623	AF SUPPLY WHSE	Dumpster	6 CY	1	1
1628	HEAVY METAL PAINT SHOP	Dumpster	6 CY	1	1
1635	RIGGING SHOP	Dumpster	6 CY	1	1
1638	CCC PROGRAMMING BLDG	Dumpster	2 CY	1	1
1645	RANGE CONTROL CENTER	Dumpster	8 CY	1	2
1660	PUMP STATION #4	Dumpster	4 CY	1	1
1663	TV OPERATIONS	Dumpster	6 CY	1	1
1704	E&L BLDG NE	Dumpster	6 CY	2	2
1708B	R&D HANGAR SW	Dumpster	8 CY	2	2
1711	HANGAR I	Dumpster	6 CY	1	2
1722	CCC PROGRAMMING	Dumpster	6 CY	1	1
1724	PHYSICAL STANDARDS LAB	Dumpster	6 CY	1	1
1725	HANGAR K	Dumpster	6 CY	1	2
1726	HANGAR S	Dumpster	6 CY	1	2
1728	HANGAR N	Dumpster	8 CY	1	1
1731	HANGAR M	Dumpster	6 CY	1	1
1733	E&A BLDG	Dumpster	6 CY	2	1
1739	HANGAR T	Dumpster	6 CY	1	1
1744	HANGAR U	Dumpster	6 CY	2	1
1744A	HANGAR U	Dumpster	6 CY	1	1
1748	CAPE CATERIA	Dumpster	8 CY	1	5
1777	LAUNCH SUPPORT FAC	Dumpster	6 CY	1	1
3100	COMPLEX 46	Dumpster	6 CY	1	1
5401	COMPLEX 11	Dumpster	8 CY	1	1
5501	COMPLEX 36A	Dumpster	8 CY	1	1
1770	PAINT SHOP	Dumpster	6 CY	1	1
18800	COMPLEX 20 BLKHOUSE	Dumpster	8 CY	2	1
24450	COMPLEX 18	Dumpster	6 CY	2	1
28417	COMPLEX 17 PAD B	Dumpster	8 CY	1	1
29150	PUMP STATION #7	Dumpster	4 CY	1	1
34705	TEST GROUP FACILITY	Dumpster	8 CY	1	1
36004	COMPLEX 17	Dumpster	6 CY	2	1
1723	TRAINING FAC	Dumpster	6 CY	1	1
38315	AFNESA WHSE #2	Dumpster	6 CY	1	1
39761	GPS/PRESS SITE #2	Dumpster	6 CY	1	1
40906	PUMP STATION #1	Dumpster	4 CY	1	1
41109	SPACE MUSEUM	Dumpster	6 CY	1	1
41303	SPACE MUSEUM HUT	Dumpster	6 CY	1	1
44401	PHOTO OPS SUPPORT	Dumpster	6 CY	1	1
44410	PHOTO OPERATIONS	Dumpster	6 CY	1	1
44600	I&E BUILDING	Dumpster	6 CY	1	1
44603	ROADS & GROUNDS FAC	Dumpster	6 CY	1	1
44625	GENERATOR SHOP	Dumpster	6 CY	1	1
44645	CORROSION CONTROL FAC	Dumpster	8 CY	1	1
44810	HANGAR AA	Dumpster	6 CY	2	1
49536	HANGAR LITTLE U	Dumpster	6 CY	1	1
49635	DISPENSARY	Dumpster	8 CY	1	1
49639	CENTRAL COMPUTER CPX	Dumpster	6 CY	1	1
49750	ALT CENT SECURITY CONT	Dumpster	6 CY	1	1
49835	HEAVY EQUIPMENT SHOP	Dumpster	6 CY	1	1

10/1/06 - 9/30/08

CCAFS REFUSE COLLECTION

Space Gateway Support
Spaceport Refuse RFP
Appendix A, CCAFS Refuse

CLIN 002

10/1/06 - 9/30/08					
CCAFS REFUSE COLLECTION					
BLDG NR	LOCATION	TYPE	SIZE	QTY	NEW WEEKLY FREQUENCY
49904	SAB	Dumpster	6 CY	1	1
49926	OPS SUPPORT FAC	Dumpster	6 CY	1	1
50160	RADAR BLDG MCS	Dumpster	6 CY	1	1
50801	ROCKET STORAGE BLDG	Dumpster	6 CY	1	1
50803	ROCKET CHECKOUT BLDG	Dumpster	6 CY	1	1
51900	DISASTER PREP BLDG CX 25	Dumpster	8 CY	1	1
52001	CX 25 BRITISH SUPPORT FAC	Dumpster	6 CY	1	1
54731	WWW TREATMENT PLANT	Dumpster	4 CY	1	1
54800	CHEM LAB	Dumpster	6 CY	1	1
54805	TITAN AGE/CSR ANTENNA	Dumpster	6 CY	1	1
54815	NAVY TRAINING BLDG	Dumpster	6 CY	1	1
54915	MRL BLDG	Dumpster	6 CY	2	1
55005	HANGAR M ANNEX	Dumpster	6 CY	1	1
55150	HANGAR I ANNEX	Dumpster	8 CY	1	2
55810	NPF/PSF AREA 59	Dumpster	8 CY	1	1
55850	NPF/PSF AREA 59	Dumpster	6 CY	1	1
55865	NPF/PSF AREA 59	Dumpster	8 CY	1	1
55895	MARTIN MODULAR	Dumpster	6 CY	1	1
56921	COMPLEX 30 SOUTH FAC	Dumpster	6 CY	1	1
56940	CPX 30 DEF ORD FAC	Dumpster	6 CY	1	1
56944	CPX 30 CHECKOUT FAC	Dumpster	6 CY	1	1
57511	MACCA (AP)	Dumpster	6 CY	1	1
57512	MACCA (AQ)	Dumpster	6 CY	1	1
60530	AO BLDG	Dumpster	6 CY	2	2
60650	E&O BLDG	Dumpster	6 CY	1	1
60680	AE BLDG	Dumpster	6 CY	1	1
60701	SECURITY CONTROL	Dumpster	6 CY	1	1
60705	COMM BLDG	Dumpster	8 CY	1	1
60717	PICNIC PAVILLION	Dumpster	4 CY	1	1
60740	CAPE HEADQUARTERS	Dumpster	4 CY	1	1
60748	CONST MATERIAL BLDG	Dumpster	8 CY	1	1
62610	BLDG Z (LOCKHEED)	Dumpster	6 CY	1	1
62615	NOTU TEST OPS	Dumpster	6 CY	1	1
62630	LMSC SHIP/RECEIVING EAST	Dumpster	6 CY	1	1
62630A	LMSC SHIP/RECEIVING WEST	Dumpster	6 CY	1	1
62700	GUIDANCE TEST BLDG	Dumpster	6 CY	1	1
62820	MACCA (AG)	Dumpster	6 CY	1	1
62720	WASTE WATER TREATMENT FAC	Dumpster	6 CY	1	1
62960	MACCA (AJ)	Dumpster	6 CY	1	1
62980	MACCA (AK)	Dumpster	6 CY	1	1
62990	MACCA (AL)	Dumpster	6 CY	1	1
63000	MACCA (AH)	Dumpster	6 CY	1	1
66232	CARPENTER SHOP	Dumpster	6 CY	1	2
66242	WEST WASH BLDG	Dumpster	6 CY	3	2
66249	NASA DESERVICING FAC	Dumpster	6 CY	1	2
66250	HANGAR AF NW	Dumpster	8 CY	2	2
66251	HIGH PRESSURE GAS FAC	Dumpster	6 CY	1	2
66330	APOLLO WHSE	Dumpster	6 CY	1	1
66336	NASA WASTE/SAND BLAST	Dumpster	8 CY	1	1
66505	LITTLE L	Dumpster	6 CY	1	1
66620	DRMO	Dumpster	6 CY	1	1
67400	SRM X-RAY/FUEL STOR #5	Dumpster	8 CY	1	1
67900	PAYLOAD SPIN TEST FAC	Dumpster	6 CY	1	1
68220	NOTU BLDG	Dumpster	6 CY	1	1
70000	ITL SMAB	Dumpster	8 CY	1	1
70503	VIB	Dumpster	8 CY	1	1
70510	ITL WAREHOUSE (NE)	Dumpster	8 CY	1	1
70510A	ITL WAREHOUSE (E)	Dumpster	8 CY	1	1
70535	ITL FIRE STATION	Dumpster	6 CY	1	2
70540	AGE WAREHOUSE	Dumpster	8 CY	1	2
70659	X-RAY BLDG	Dumpster	6 CY	1	1
72810	LOADING DOCK FSA #2	Dumpster	6 CY	1	1
72905	ADMIN BLDG FSA #2	Dumpster	8 CY	1	1
73700	SPIN TEST SUPPORT FAC	Dumpster	6 CY	1	1
74100	NAVY GEOPHYSICAL INST	Dumpster	6 CY	1	1
77350	EMT FSA #2	Dumpster	6 CY	1	1
79150	TRIDENT BASIN AREA	Dumpster	8 CY	2	1
79150A	TRIDENT BASIN AREA	Dumpster	8 CY	1	1
79150B	TRIDENT BASIN AREA	Dumpster	8 CY	1	1
79150C	TRIDENT BASIN AREA	Dumpster	8 CY	1	1
79150D	TRIDENT BASIN AREA	Dumpster	8 CY	1	1
80505	MISSILE TEST RES BLDG, FSA	Dumpster	6 CY	1	1
81585	COMMAND CONTROL BLDG	Dumpster	4 CY	1	1
81701	NAVY VEH MAINT/ADMIN	Dumpster	6 CY	1	1
81900	ROCC	Dumpster	6 CY	4	1
83600	LANDFILL	Dumpster	6 CY	1	1
85110	SUPPORT FAC FSA #4	Dumpster	6 CY	1	1
85125	DELTA OPS FAC	Dumpster	8 CY	1	2
85202	NAVY AGE STORAGE FAC	Dumpster	6 CY	1	1
85620	DASO ENGINEERING	Dumpster	8 CY	1	1

TOTAL: _____

CLIN001

10/1/06 - 9/30/08					
CCAFS REFUSE COLLECTION					
BLDG NR	LOCATION	TYPE	SIZE	QTY	NEW WEEKLY FREQUENCY
88900	NAVY GREENHOUSE	Dumpster	6 CY	1	2
88900A	NAVY GREENHOUSE	Dumpster	6 CY	1	2
90302	DASO HQ BUILDING	Dumpster	8 CY	1	1
90540	POSEIDON WHARF EAST	Dumpster	8 CY	1	2
90540A	POSEIDON WHARF EAST	Dumpster	8 CY	1	2
90540B	POSEIDON WHARF WEST	Dumpster	8 CY	1	2
90540C	POSEIDON WHARF WEST	Dumpster	8 CY	1	2
90540D	POSEIDON WHARF CENTER	Dumpster	8 CY	1	2
90540E	POSEIDON WHARF CENTER	Dumpster	8 CY	1	2
DUMPSTERS TO BE REMOVED FROM THE CONTRACT					
1704	E&L BLDG NE	Dumpster	6 CY	1	0
1708B	R&D HANGAR SW	Dumpster	8 CY	1	0
28416	COMPLEX 17 PAD A	Dumpster	8 CY	1	0
69804	RAILROAD SHACK	Dumpster	6 CY	1	0
69800	ITL SMARF	Dumpster	8 CY	1	0
85010	FIRE STATION	Dumpster	4 CY	1	0
17780	COMPLEX 31 & 32	Dumpster	8 CY	1	0
Camra Rd A Beach	CAMERA ROAD A	Dumpster	6 CY	1	0
Cmplx 34 Beach	COMPLEX 34 CROSSOVER	Dumpster	6 CY	1	0
55815	NPF/PSF AREA 59	Dumpster	6 CY	1	0
55820	NPF/PSF AREA 59 (55871)	Dumpster	6 CY	1	0
55840	NPF/PSF AREA 59	Dumpster	6 CY	1	0
DUMPSTERS TO BE EMPTIED MONTHLY					
7001	COMPLEX 12	Dumpster	8 CY	1	1
8803	COMPLEX 13 PAD SAFETY	Dumpster	4 CY	1	1
1648C	COMPLEX 14	Dumpster	6 CY	1	1
10751	CSR ENGINEERING CX 15	Dumpster	4 CY	1	1
13123	COMPLEX 16	Dumpster	6 CY	1	1
15730	COMPLEX 19	Dumpster	4 CY	1	1
1348	HANGAR C	Dumpster	6 CY	1	1
27200	LAUNCH OPS CONT CTR	Dumpster	8 CY	1	1
BLDG NR	LOCATION	TYPE	SIZE	QTY	
MSC	ON-BOARD SHIPS	Dumpster	8 CY	3	1
METAL COLLECTION DUMPSTER TO BE EMPTIED QUARTERLY					
BLDG NR	METAL COLLECTION	TYPE	SIZE	QTY	
1063	PORT AREA WHSE	Metal dump	2 CY	1	1
1115	HANGAR Y	Metal dump	2 CY	2	1
1708	R&D HANGAR	Metal dump	4 CY	3	1
1744	HANGAR U	Metal dump	2 CY	2	1
1744	LITTLE U	Metal dump	6 CY	1	1
85200	Navy Storage Building	Metal dump	2 CY	2	1
BLDG NR	REGULATED FOOD WASTE	TYPE	SIZE	QTY	
1363	NAVY PORT	Container	2 CY	1	
50211	SKID STRIP AIRFIELD	Container	2 CY	1	
J6-2362	SHUTTLE LANDING FACILITY	Container	2 CY	1	
BLDG NR	GENERAL PURPOSE CANS	TYPE	SIZE	QTY	
GUARDSHACKS	MAIN GATE	Cans	30 gal	3	
VARIOUS FREQUENCIES					
BLDG NR	BULK COLLECTION ROLLOFFS	TYPE	SIZE	QTY	
1063	PORT AREA WHSE	ROLLOFF	20 CY	1	EMPTIED QUARTELY
1115	HANGER Y	ROLLOFF	20 CY	1	EMPTIED EVERY OTHER MONTH
80505	FUEL STORAGE AREA 2	ROLLOFF	20 CY	1	EMPTIED QUARTELY
44600	I AND E CARP SHOP - WOOD COLLECTION	ROLLOFF	30 CY	1	EMPTIED EVERY OTHER MONTH
EMPTIED WEEKLY					
BLDG NR	BULK COLLECTION ROLLOFFS	TYPE	SIZE	QTY	
66620	DRMO	ROLLOFF	30 CY	1	1

TECHNICAL EXHIBIT 2.2.4
JANITORIAL DATA OUT

Mar 01

SPBLDINF_CODE	SPBLDROM_CODE	IN_EXCEL	BLDG_I_N_FC	ROOM_IN_FC	FC Name	FC Class Of Space	FC User	FC Area	Added	Deleted	Cleaned By	NC	Daily	Janitorial 2nd Shift	EOD	Weekly C	Bi_Weekly T	Monthly T	Quarterly C	Quarterly T	Annually C	Annually T	Low Dusting Quarterly	High Dusting Annual	
VECTOR	4313	YES	YES	YES	OLD MAC DONALD DOUG BLDG US1	OFFICES	BOE	0																	
VECTOR	4400A	YES	YES	YES	OLD MAC DONALD DOUG BLDG US1	OFFICES	BOE-E256	0																	
VECTOR	4400B	YES	YES	YES	OLD MAC DONALD DOUG BLDG US1	OFFICES	BOE-E256	0																	
VECTOR	4400F	YES	YES	YES	OLD MAC DONALD DOUG BLDG US1	OFFICES	BOE-P306	0																	
VECTOR	4413	YES	YES	YES	OLD MAC DONALD DOUG BLDG US1	OFFICES																			
VECTOR	LOBBY	YES	YES	YES	OLD MAC DONALD DOUG BLDG US1	OFFICES																			
W		YES	YES	NO	TOOL VANS (2EA)																				
WASH DC		YES	YES	NO						Unknown	Unknown														
WHSE 8		YES	YES	NO	DRYDEN AF BASE					Unknown	Unknown														
X		YES	YES	NO	POL BARREL STORAGE RACK					Unknown	Unknown														
SEB II	M6-0787	YES	YES	NO	New Source Evaluation Board Facility	OFFICES	NASA	8,250	Yes		SGS/Yang		RR, Damp Mop Brk Rm Flr and Entrywy Hallwy Flr		VAC							X	X	X	X

J5, Technical Exhibit # 3.1.2-03
Baseline Realignment Security Posture for FY04 – 08

The following FY04-08 Security Posture Baseline Realignment Table reflects Government post-9/11 requirements. The table includes the pre-9/11 and CCRs 02-22-NOTU Security Boat Operation, 02-31-Increased Shuttle Support, and 02-32-Increased Force Protection Safeguard requirements.

It continues the 2003 Cape Port Gate concept-of-operation. Port gate is secured; access to Port is through the Cape South Gate into the NOTU area. Port gate may be opened as customer call-up short-term variable requirement.

Reassignment of security personnel between posts is allowed in order to provide flexibility for overall security police force operations (e.g. surge capability and operational efficiencies). Mod 379

FY04-08 Security Posture Baseline - Table

KSC Security

Description	Requirement
Law Enforcement - North	1/24/7
LC 39 Rover	1/24/7
F Gate/VAB	1/24/7
VAB Protection	1/24/7
OPF Bay 1 Gate	1/24/7
OPF Bay 3 Gate	1/24/7
OPF Protection	1/24/7
LCC Gate E	1/24/7
Facility Rover	1/24/7
Pad A Gate	1/24/7
Pad B Gate	1/24/7
Pad A Rover	1/24/7
Law Enforcement - South	1/24/7
SSPF	1/24/7
Escort Unit	1/16/5
Relief Rover	2/24/7
Gate 3	2/24/7
Gate 2	2/24/4
	2/18/1
Gate 4	2/24/7
Law Enforcement - KSCVC	1/8/7
River Boat Patrol	1/24/7
Air Boat Patrol	1/24/7
CCAFS E-25 FSA #1	1/16/5
Emergency Response Team	5/24/7
Emergency Response Team Commander	1/8/5
Emergency Response Team Supervisors	3/8/5
K-9 Handlers	1/24/7
North Area Supervisor	1/24/7
South Area Supervisor	1/24/7
Resource Protection/(CLS)	2/8/5

NAS10-99001

VAB C-Gate 1/10/5

Air Force (CCAFS Security)

Description	Requirement
Installation Patrols (2)	2/24/7
Vehicle Inspection Response Force	1/24/7
South Cape Response Force #1	2/24/7
Central Cape Response Force	2/24/7
XY Internal Response Force	1/24/7
South Gate	1/24/7
South Gate Asst	1/24/7
South Gate Vehicle Inspector	1/12/7
Area 59 (NPF) Internal Response Force	1/24/7
Cape River Patrol (Airboat)	1/16/7
Area Supervisor	1/24/7

Air Force

ITL SRT (2)	2/24/7
SMAB Internal Response Force	1/24/7

ROCC - JON 57426000 Air Force

Description	Requirement
ROCC Internal Response Force	2/24/7
EELV – Air Force	
Delta IV, (SLC 37)	2/24/7
Atlas V, VIF (SLC 41)	2/24/7

Titan – JON 82000000 (Deleted Mod 308)

Titan – JON 81000000 (Deleted Mod 308)

Delta - JON 71000000

Description	Requirement
SLC 17 Internal Response Force	2/24/7

NOTU - JON 07200000

Description	Requirement
NOTU Rover (Mod 451)	1/8/7
Marine Patrol	2/24/7
Supervisor	1/8/5

JOINT Security POOL

Description	Requirement
Security Management	6/8/5
Administrative Personnel	12/8/5
Shift Ops & Scheduling Supervisors	17/8/5
Quality & Safety	1/8/5
Plans Supv.	2/8/5
Resource Protection	4/8/5
Investigations	3/8/5
Training and CATM	12/8/5
K-9 Supv & Handlers	3/8/5
Boat Ops Asst & CATM Asst.	2/8/5
Armorers & Supply Asst	13/8/5
Badging & Supv	22/8/5

2.2.2.2 Pest Control. The contractor shall provide pest control services associated to structures, on a trouble call basis, for KSC , CCAFS, and the Florida Annexes facilities listed in the O/M/E/U Matrix where contractor maintenance responsibilities include structures. The contractor shall develop and implement a pest control program for **Cape Canaveral Spaceport**. All buildings, facilities, and outside work areas shall be inspected and sprayed at a frequency necessary to prevent damage to structures and control pests that may affect health and morale. The contractor shall provide monthly inspections and treatment, as needed, to all food preparation and service areas of KSC and CCAFS. Food preparation and service areas include the ITL Warehouse cafeteria, E&L Shoppette, Cape Main Cafeteria, and Green House Navy Cafeteria at CCAFS. For KSC food preparation and service areas, included are areas located at O&C, SSPF, HQ, CIF, ARF, MFF, OSB, LCC, Conference Center, Lackmann Warehouse, and USA Logistics. (Mod 451)

The contractor shall trap and relocate small nuisance mammals that are in or on a structure **on KSC and CCAFS**. Mammals that have had direct human contact (bite or scratch) shall be turned over to animal control or the health department for rabies determination. (Mod 451)

The contractor shall comply with The Air Force Pest Management Plan in accordance with Technical Exhibit 2.2.2.2-01. **The following items, pertaining to Technical Exhibit 2.2.2.2-01 entries, Mosquito Fogging/Larvae Control shall be provided to all areas of CCAFS. Termite Treatment/Inspection shall not be provided for Cape Canaveral Air Force Station. For all areas of Kennedy Space Center and NASA facilities on CCAFS, mosquito fogging/larvae control and termite treatment/inspection services will continue to be provided.** (Mod 451)

CCSMO

Technical Exhibit # J5-3.2.3.2-01

(CCRs 04-36 07-52 & 07-62, Mod 451)

Technical Exhibit # J5-3.2.3.2-01
Special Calibrations Support
AF PMEL and NASA Standards and Calibrations

3.2.3.2 Standards and Calibration

	NASA	Air Force
Thread Ring Gauges (Note 2)	12	0
CAPPs Crane Scale 30K, 50K and 70K) (Note 1)	9	0

Notes:

- 1 CCR 04-36, Three scales calibrated semi-annually and CCR 07-52, Three scales calibrated annually
- 2 Thread Ring Gauge calibrations shall be limited to two (2) for FY07

Workload indicators are not absolute, generally allowing a +/- 10% rate of fluctuation

The contractor shall provide a written statement certifying the accuracy of the workload data on an annual basis as of 30 September of each fiscal year. The first statement shall be no later than 30 September 2003.

WBS	Function	Workload Description or Document Title	Document Number (if Applicable)	Rev. Date
		<p>Medical Laboratory:</p> <ul style="list-style-type: none"> • 1,000 x-rays • 34,029 lab samples • 4,500 electrocardiograms • 5,000 pulmonary function tests • 1,400 stress tests/Holter monitors <p>EAP:</p> <ul style="list-style-type: none"> • 2,000-1,200 visits (1 – 1.5 labor hr/visit) <p>Health Education:</p> <ul style="list-style-type: none"> • 7,500 cardiovascular evaluations • 150 colorectal cancer screening • 5,000 hypertension screening • 305 visual screening <p>Training:</p> <ul style="list-style-type: none"> • 30 (4 hr) classes– CPR Training (QG304KSC) • 40 (2 hr) classes– CPR Refresher Training (QG313KSC) • 35 (5.5 hr) classes -CPR/First Aid Training (QG310KSC) • 6 (4.5 hr) classes- CPR for Healthcare Providers (XG801) • 30 (2 hr) classes – Blood-borne Pathogen Training (QG308KSC) • 40 (2 hr) classes- Blood-borne Pathogen Update Training (QG309KSC) • 3 (16 hr) classes– ACLS Refresher • 3 (16 hr) classes – BCLS course • 15 (2 hr) classes -HIV/AIDS update for Healthcare Workers – 	<p>MOD 205</p> <p>MOD 451</p> <p>MOD 205</p> <p>MOD 205</p> <p>MOD 205</p>	

The contractor shall provide a written statement certifying the accuracy of the workload data on an annual basis as of 30 September of each fiscal year. The first statement shall be no later than 30 September 2003.

WBS	Function	Workload Description or Document Title	Document Number (if Applicable)	Rev. Date
3.1.2	Security	<p>KSC DATA: (Mod 135) (Mod 255)</p> <ul style="list-style-type: none"> • 62 classified documents in KSC System • 1800 classified document transactions annually • 15 boxes classified waste destroyed annually • 1,500 RP hang-tags processed • 900 Interim PRP investigations processed annually (Mod 431) • 2400 Foreign Visitors processed annually • 250 criminal investigations • 24 Astronaut escorts • 24 Astronaut family escorts • Consolidate NFLET for 11 NASA Centers, at four CONUS locations, annually (Mod 451) • Conduct NASA Centers NFLET, CALEA, & SOFC training support for 9 sessions during FY08 (Mod 451) • Publish 4 Quarterly Security Awareness Newsletter (Mod 232) • Publish 4 Quarterly Security Awareness Bulletin (one in color) (Mod 232) • STS TAL Support <ul style="list-style-type: none"> -- Two FY05 overseas TAL support -- Six FY06-08 overseas TAL support • FY07 21,000 Background Investigation Processing Support (Mod 431) • FY07 22,200 KSC Badge Enrollment Identification Verification (Mod 431) • FY08 3,900 KSC Badge Enrollment Identification Verification (Mod 431) 		

Deleted: MOD 135

The contractor shall provide a written statement certifying the accuracy of the workload data on an annual basis as of 30 September of each fiscal year. The first statement shall be no later than 30 September 2003.

WBS	Function	Workload Description or Document Title	Document Number (if Applicable)	Rev. Date
3.2.2	Transportation	Patrick AFB Vehicle Operations call-in support 1900 – 0700 hours & weekends: <ul style="list-style-type: none"> • 819 hours (Mod 451) 		

Technical Exhibit 3.1.2.8-01

Joint Base Operations and Support Contract

(CCR 07-69, Mod 451)

Sensitive But Unclassified (SBU) Controlled Information

This Technical Exhibit supersedes all previous mutual agreements supporting obsolete NASA Administratively Controlled Information (ACI) actions/activity.

Contractor is not required to review or re-mark documents, e.g., procedures, drawings, specifications, etc., that were previously classified as ACI to SBU prior to August 1, 2007. Contractor is not required to review or mark documents currently residing in the Engineering Documentation Center (EDC), KSC Electronic Documentation System (KEDS) or the Library which contain no markings.

The Computer Security Act of 1987, Public Law 100-235, defines "sensitive information" as "any information, the loss, misuse, or unauthorized access to or modification of which could adversely affect the national interest or the conduct of Federal programs, or the privacy to which individuals are entitled under Section 552a of Title 5, United States Code (the Privacy Act) but which has not been specifically authorized under criteria established by an executive order or an act of Congress to be kept secret in the interest of national defense or foreign policy."

1. With the exception of certain types of information protected by statute, standard criteria and terminology defining the types of information warranting designation as "sensitive information" does not exist within the Federal government. Such designations are left to the discretion of each individual agency. Therefore, NASA has determined that official information and material of a sensitive but unclassified (SBU) nature that does not contain national security information (and therefore cannot be classified) shall be protected against inappropriate disclosure by designating and handling such information as SBU in accordance with the procedures set forth in this exhibit. See also the definition of Sensitive Information/Material in NPR 1600.1, Chapter 10, "Glossary of Terms, Abbreviations, and Acronyms."

1.1. Information, regardless of its form (digital, hard-copy, magnetic tape, etc.), the release of which could cause harm to a person's privacy or welfare, adversely impact economic or industrial institutions, or compromise programs or operations essential to the safeguarding of our national interests is designated as SBU to control or restrict its access. Information designated as SBU shall be afforded appropriate protection sufficient to safeguard it from unauthorized disclosure.

1.2. Within NASA and the Federal Government, such information had previously been designated "FOR OFFICIAL USE ONLY." This designation was changed at NASA to "Administratively Controlled Information" for clarity and to more accurately describe the status of information to be protected. However, recent efforts to apply consistent terminology across multiple federal agencies have prompted NASA to change the designation to "Sensitive but Unclassified." Therefore the caveat "SENSITIVE BUT UNCLASSIFIED (SBU)" will be used to identify sensitive but unclassified information within the NASA community when that information is not otherwise specifically described and governed by statute or regulation. The use of caveats other than SBU will be governed by the statutes and regulations issued for the applicable category of information.

1.3. The SBU designation and procedures set forth herein do not apply to the information, reports, or analysis by members of other agencies or departments who are members of the National Intelligence Board (NIB), who are on loan to NASA, and whose authorities are derived from other sources. However, SBU designation and procedures shall be applied when such information, or portions thereof, is copied for dissemination within NASA.

2. Identification of SBU Information. The failure to sufficiently identify information that requires protection from disclosure may result in increased risk to life or mission essential assets, damage to official relationships, monetary or other loss to individuals or firms, or embarrassment to NASA.

2.1. The originator of information, or the official approving its dissemination, must review the information for possible designation as SBU prior to its use. In general, information to be designated as SBU falls into one of the 3 categories described below. The criteria of at least one of the following subparagraphs must be met to designate the information as SBU:

a. Information originated within or furnished to NASA that falls under one or more of the exemption criteria of the Freedom of Information Act (5 U.S.C. §552). However, designating information as SBU does not represent that the information has been determined to be exempt from disclosure under FOIA. Requests under FOIA, for information designated as SBU, will be reviewed and processed in the same manner as any other FOIA request.

b. Information exempt or restricted from disclosure by statute, regulation, contract, or agreement. The following are examples of such information.

(1) Information subject to export control under the International Traffic in Arms Regulations (ITAR) or the Export Administration Regulations (EAR)

(2) Information disclosing a new invention in which the Federal Government owns or may own a right, title, or interest.

(3) Proprietary information of others provided to NASA under a nondisclosure or confidentiality agreement.

(4) Source selection and bid and proposal information.

(5) Small Business Innovative Research Data, Limited Rights Data, and Restricted Computer Software received in performance of NASA contracts.

(6) Information developed by NASA under a Space Act agreement and subject to section 303(b) of the Space Act (42 U.S.C. 2454(b)).

(7) Information concerning or relating to private entity trade secrets or confidential commercial or financial information received by a NASA employee in the course of government employment or official duties.

(8) Information subject to the Privacy Act of 1974 (5 U.S.C. §552a)

c. Information that is determined by a designated NASA official to be unusually sensitive (refer to paragraph 5.22.5. for decontrol provisions). The following are examples of such information.

(1) Predecisional materials such as national space policy not yet publicly released, pending reorganization plans, or sensitive travel itineraries

- (2) Geological and geophysical information and data, including maps, concerning wells.
- (3) Center maps and/or plain text documents describing locations/directions (e.g., latitude, longitude, depth, etc.) of underground utility conduits (e.g., sewers, gas, data, communications, etc.).
- (4) Drawings and specifications that identify existing or proposed security measures for mission essential infrastructure designated assets or other key resources
- (5) Mission specific security plans that identify protective measures and procedures for assets that are sensitive in nature but are not classified. (Example: Payloads that utilize special nuclear materials, payloads that contain certain animal experiments, and STS missions, as determined by the CCS, etc.)
- (6) Emergency contingency or continuity of operations plans that provide detailed information regarding emergency response processes and procedures that, if publicized, could give a potential adversary vital information with which to thwart or compromise emergency response efforts.
- (7) Sensitive scientific and technical information (STI) (See NPD 2200.1 and NPR 2200.2 for requirements for documentation, approval, and dissemination of NASA STI).
- (8) Information that could result in physical risk to personnel.
- (9) NASA information technology (IT) internal systems data revealing infrastructure used for servers, desktops, and networks; applications name, version and release; switching, router, and gateway information; interconnections and access methods; mission or business use/need. Examples of information are systems inventories and enterprise architecture models.
- (10) Systems security data revealing the security posture of the system. For example, threat assessments, system security plans, contingency plans, risk management plans, Business Impact Analysis studies, and Certification and Accreditation documentation.
- (11) Reviews or reports illustrating or disclosing facility infrastructure or security vulnerabilities, whether to persons, systems, or facilities, not otherwise eligible for classification under Executive Order 12958, as amended.
- (12) Information that could constitute an indicator of U.S. government intentions, capabilities, operations, or activities or otherwise threaten operations security.
- (13) Developing or current technology, the release of which could hinder the objectives of NASA, compromise a technological advantage or countermeasure, cause a denial of service, or provide an adversary with sufficient information to clone, counterfeit, or circumvent a process or system.

2.2. Information identified in paragraphs a. and b. below that has designation and protection criteria established by other statutes, regulations, NASA directives, etc., shall be protected and marked in accordance with those applicable directives.

a. Information or material that may already have individual, officially designated identification, protection, or management requirements (e.g., FAR, FOUO, Export Control, FOIA, STI), and/or established markings on the sheet(s) will be controlled in accordance with their respective requirements. However, for the purpose of uniformity and consistency, physical protection and disclosure requirements established for the broader spectrum of SBU will still apply.

b. Information exempted from disclosure by treaty, statute (e.g., Export Administration Regulations (EAR), International Traffic in Arms Regulation (ITAR), and Section 303(b) of the Space Act), or other agreements.

2.3. Other government agencies and international organizations may use different terminology to identify sensitive information, such as "Limited Official Use (LOU)," and "Official Use Only (OUO)." In most instances the safeguarding requirements for this type of information are equivalent to SBU. However, other agencies and international organizations may have additional requirements concerning the safeguarding of sensitive information. Follow the safeguarding guidance provided by the other agency or organization. Should there be no such guidance, the information will be safeguarded in accordance with the requirements for SBU as provided in this document. Should the additional guidance be less restrictive than in this document, the information will be safeguarded in accordance with this NPR.

2.4. Information shall not be marked or designated as SBU if it does not meet the criteria in paragraph 2.1.

2.5. New material derived from documents marked SBU shall carry forward the control marking, if any, from the source documents.

3. Marking for SBU

Information designated as SBU will be sufficiently marked so that persons having access to it are aware of its sensitivity and protection requirements. The lack of SBU markings on information known by the holder to be SBU does not relieve the holder from safeguarding responsibilities. Where the SBU marking is not present on information known by the holder to be SBU, the holder of the information will protect it as SBU. Information protected by statute or regulation will be marked in accordance with the applicable guidance for that type of information. Information marked in accordance with such guidance need not be additionally marked SBU. If there is no specific guidance or marking requirements, information designated SBU will be marked as follows:

a. Prominently mark the top and bottom of the front cover, first page, title page, back cover and each individual page containing SBU information with the caveat "SENSITIVE BUT UNCLASSIFIED (SBU)."

b. Materials containing specific types of SBU information may be further marked with the applicable caveat, e.g., "LAW ENFORCEMENT SENSITIVE;" in order to alert the reader of the type of information conveyed. Where the sensitivity of the information warrants additional access and dissemination restrictions, the originator may cite additional access and dissemination restrictions. For example:

WARNING: *This document is SENSITIVE BUT UNCLASSIFIED (SBU). It is to be controlled, stored, handled, transmitted, distributed, and disposed of in accordance with NASA policy relating to SBU information. This information shall not be distributed beyond the original addressees without prior authorization of the originator.*

c. SBU information being transmitted to recipients outside of NASA, for example, other federal agencies, state or local officials, NASA contractors, etc., shall include the following additional notice:

WARNING: *This document is SENSITIVE BUT UNCLASSIFIED (SBU). It contains information that may be exempt from public release under the Freedom of Information Act (5 U.S.C. 552) or other applicable laws or restricted from disclosure based on NASA policy. It is to be controlled,*

stored, handled, transmitted, distributed, and disposed of in accordance with NASA policy relating to SBU information and is not to be released to the public or other personnel who do not have a valid "need-to-know" without prior approval of an authorized NASA official (see NPR 1600.1).

d. Computer storage media, i.e., disks, tapes, removable drives, memory sticks, etc. containing SBU information will be marked "SENSITIVE BUT UNCLASSIFIED."

e. Portions of a classified document, i.e., subjects, titles, paragraphs, and subparagraphs that contain only SBU information will be marked with the abbreviation (SBU).

f. Individual portion markings on a document that contains no other designation are not required.

4. Responsibilities.

4.1 Officers and employees designating information or materials as SBU and those receiving materials so marked shall be responsible for properly safeguarding the information contained therein. These individuals will:

a. Comply with the safeguarding requirements for SBU information as outlined in this document.

b. Participate in formal classroom or computer based training sessions presented to communicate the requirements for safeguarding SBU and other sensitive information and the penalties that could result in unauthorized disclosure of SBU information.

c. Keep the number of copies of SBU information to a minimum.

d. Reserved, original text deleted (NASA KSC/TA-G)

4.2. Supervisors and managers will:

a. Ensure that an adequate level of education and awareness is established and maintained to emphasize safeguarding and preventing unauthorized disclosure of SBU information.

b. Ensure that an adequate level of education and awareness is established and maintained to emphasize that disclosing SBU information without proper authority could result in administrative or disciplinary action, fines and/or imprisonment.

c. Take appropriate corrective actions, to include administrative or disciplinary action as appropriate, when unauthorized disclosures of SBU information occur.

5. Decontrol Provisions. Officers and employees designating information or materials as SBU shall be held responsible for their continued review and the prompt removal of such designations and restrictive markings when the necessity no longer exists. Authority to decontrol such material and any copies is limited to the official who initially designated the material as SBU, a successor or superior, or an official of an office having primary interest in the material. The following procedures apply:

5.1. The control status of any information or material designated as SBU shall be reviewed upon request by an individual or individuals to whom disclosure has been restricted. Such material shall be decontrolled and disclosed unless the office of origin or the office of primary interest determines, within a reasonable period of time after the request and after consultation with legal counsel, that the information must remain protected against disclosure. The existence of an SBU marking does not necessarily make information exempt from disclosure. A determination that

information is exempt from disclosure must be based on the applicability of some legal authority. Consultation with the Office of the General Counsel at Headquarters or Center Office of Chief Counsel is required.

5.2. The restrictive marking on information designated as SBU in accordance with paragraph 2.1. shall be immediately removed when the need for protection no longer exists, (e.g., imminent public release, transfer to records archives, implementation of organization plan, or conclusion of sensitive travel).

6. Storage, Access, Disclosure, Protection, Transmittal, and Destruction of SBU. The minimum requirements for storage, access, protection, transmittal, and destruction of SBU information is provided in section 6.1 through 6.5, respectively. However, some types of SBU information may be more sensitive than others and thus warrant additional safeguarding measures beyond the minimum requirements established in this NPR. For example, certain types of information may be considered extremely sensitive based on the consequences of an unauthorized release. Such consequences could be increased risk to life or mission essential assets, damage to official relationships, or embarrassment to NASA. Additional control requirements may be added as necessary to afford appropriate protection to such information. NASA employees, contractors, and detailees must use sound judgment coupled with an evaluation of the risks, vulnerabilities, and the potential damage to personnel or property as the basis for determining the need for safeguards in excess of the minimum requirements and protect the information accordingly.

6.1. Storage. Employees who handle information or material designated SBU shall ensure the proper safeguarding of such information by limiting its access to authorized persons only and by storing it in cabinets, desks, or other containers, or securing it within an individual office area when not in use. Access to SBU information is on a "need to Know" basis in accordance with section 6.2.

a. When unattended, SBU information will, at a minimum, be stored in a locked file cabinet, locked desk drawer, a locked overhead storage compartment such as a systems furniture credenza, or similar locked compartment. SBU information can also be stored in a room or area that has sufficient physical access control measures to afford adequate protection and prevent unauthorized access by members of the public, visitors, or other persons without a need-to-know, such as a locked room, or an area where access is controlled by a guard, cipher lock, or card reader.

b. SBU information will not be stored in the same container used for the storage of classified information unless there is a correlation between the information. When SBU information is stored in the same container used for the storage of classified materials, they will be segregated from the classified materials to the extent possible, i.e. separate folders, separate drawers, etc.

c. IT systems that store SBU information will be certified and accredited for operation in accordance with federal and NASA standards. Consult the NPR 2810.1, Security Information Technology, for more detailed information.

d. Laptop computers and other media containing SBU information will be stored and protected to prevent loss, theft, unauthorized access and unauthorized disclosure. Storage and control will be in accordance with NPR 2810.1.

6.2. Access and Disclosure. SBU information of which NASA or a NASA contractor is the originator may disclosed to any Federal Government employee or contractor who has a demonstrated "need-to-know" in connection with official duties. When NASA is not the originating agency, SBU information may be disclosed only with authorization from the originating or

designated action agency. Whenever SBU information is disclosed, the recipient must be made aware of the following restrictions on access and disclosure:

a. In no case shall SBU information be disclosed - orally, visually, or electronically - unless the disclosure is clearly in accordance with existing law and Agency regulations or policy directives and is in the best interest of NASA.

b. Access to SBU information is based on "need-to-know" as determined by the holder of the information. When discussing with or transferring SBU information to another individual(s), the holder of the information must ensure that the individual with whom the discussion is to be held or the information is to be transferred has a valid need-to-know, and that precautions are taken to prevent unauthorized individuals from overhearing the conversation, or from observing or otherwise obtaining the information. Where there is uncertainty as to a person's need-to-know, the holder of the information will request dissemination instructions from his/her next-level supervisor or the information's originator.

c. A security clearance is not required for access to SBU information.

d. SBU information may be shared with other agencies, federal, state, tribal, or local government and law enforcement officials, provided a specific need-to-know has been established and the information is shared in furtherance of a coordinated and official governmental activity. Where SBU information is requested by an official of another agency and there is no coordinated or other official governmental activity, a written request will be made from the requesting agency to the applicable NASA program office providing the name(s) of personnel for whom access is requested, the specific information to which access is requested, and basis for need-to-know. The NASA program office shall then determine if it is appropriate to release the information to the other agency official. (See section 4.3 for marking requirements)

e. When NASA is not the originating agency, further dissemination of SBU information by the holder of the information may be made only with authorization from the originating or designated action agency. When information requested or to be discussed originated with another agency, the holder of the information must comply with that originating agency's policy concerning third party discussion and dissemination.

f. The holder of the SBU information will comply with any access and dissemination restrictions cited on the material, provided with the material, or verbally communicated by the originator. Sensitive information protected by statute or regulation, i.e., Privacy Act, Critical Infrastructure Information, etc., will be controlled and disseminated in accordance with applicable guidance for that type of information. Where no guidance is provided, handle SBU information in accordance with the requirements of this NPR

g. NASA IT Systems containing SBU shall be appropriately protected from unauthorized access. Access shall be granted only after the requisite security investigation, as outlined in items 3 or 4 of this exhibit, has been accomplished. In addition, access provisions for FIPS 199 Security Category Moderate shall apply.

h. When discussing SBU information over a telephone, the use of a STU III (Secure Telephone Unit), or Secure Telephone Equipment (STE), is encouraged, but not required.

6.3. Protection. When materials marked SBU are prepared for dissemination or forwarded to any locations/persons (within or outside a NASA Center), they must be protected using NASA Form 1686, "SENSITIVE BUT UNCLASSIFIED" (SBU) cover sheet. Users shall check appropriate boxes on the form to signify what type of SBU information is contained in the document.

a. When removed from an authorized storage location and persons without a need-to-know are present, or where casual observation would reveal SBU information to unauthorized persons, a SBU cover sheet (NASA Form 1686) will be used to prevent unauthorized or inadvertent disclosure.

b. When disclosing, disseminating, or transmitting SBU information, a SBU cover sheet, (NASA Form 1686), should be placed on top of the transmittal letter, memorandum, or material.

c. When receiving SBU equivalent information from another government agency, handle in accordance with the guidance provided by the other government agency. Where no guidance is provided, handle in accordance with the requirements of NPR 1600.1.

6.4. Transmittal. Transmission of SBU information may be made via first class mail, courier, encrypted e-mail, encrypted FTP, encrypted HTTP, or secure fax to known recipients. All transmissions of SBU information require a SBU cover sheet (NASA Form 1686) be transmitted with the information. Additionally, the holder of the SBU information will comply with any access, dissemination, and transmittal restrictions cited on the material, provided with the material, or verbally communicated by the originator.

a. Transmission of hard copy SBU information within the U.S. and its Territories:

(1) Material containing SBU information will be placed in a single opaque envelope or container and sufficiently sealed to prevent inadvertent opening and to show evidence of tampering. The envelope or container will bear the complete name and address of the sender and addressee, to include program office and the name of the intended recipient (if known).

(2) Material containing SBU information may be mailed by U.S. Postal Service First Class Mail or an accountable commercial delivery service such as Federal Express or United Parcel Service.

(3) Material containing SBU information may be entered into an inter-office mail system provided it is afforded sufficient protection to prevent unauthorized access, e.g., sealed envelope.

b. Transmission of hard copy SBU information to Overseas Offices: When an overseas office is serviced by a military postal facility, i.e., APO/FPO, SBU may be transmitted directly to the office. Where the overseas office is not serviced by a military postal facility, the SBU information will be sent through the Department of State, Diplomatic Courier.

c. Electronic Transmission.

(1) Transmittal via fax. The use of a secure fax machine is highly encouraged. However, unless otherwise restricted by the originator, SBU information may be sent via nonsecure fax. Where a nonsecure fax is used, the sender will coordinate with the recipient to ensure that the SBU information faxed will not be left unattended or subjected to possible unauthorized disclosure on the receiving end.

(2) Transmittal via E-Mail, FTP, and HTTP (Web)

(i) SBU information transmitted via email, FTP, web, etc., should be protected by encryption or transmitted within secure communications systems. If it is not possible to transmit SBU via appropriately encrypted channels, the information can be included as a password protected attachment with the password provided under separate cover. Recipients of SBU information will comply with any email or other electronic transmission restrictions imposed by the originator.

(ii) Due to inherent vulnerabilities, SBU information shall not be sent to personal email accounts.

(3) NASA Internet/Intranet

(i) SBU information will not be posted on a public NASA website or any other public website.

(ii) SBU information may be posted on the NASA Intranet or other government controlled or sponsored protected encrypted data networks. However, the official authorized to post the information should be aware that access to the information is open to all personnel who have been granted access to that particular Intranet site. The official must determine the nature of the information is such that need-to-know applies to all such personnel; the benefits of posting the information outweigh the risk of potential compromise; the information posted is prominently marked as SENSITIVE BUT UNCLASSIFIED; and information posted does not violate any provisions of the Privacy Act or other applicable laws.

6.5. Destruction. SBU information or material that cannot be decontrolled per paragraph 5 or which is no longer needed shall be removed from IT systems, shredded, burned, or destroyed in other similar methods that preclude unauthorized disclosure. Destruction may be accomplished by:

a. "Hard Copy" materials will be destroyed by shredding, burning, pulping, pulverizing, such as to assure destruction beyond recognition and reconstruction. After destruction, materials may be disposed of with normal waste.

b. Electronic storage media shall be sanitized appropriately by overwriting or degaussing, or non-recoverable encrypted deletion. Contact local IT security personnel for additional guidance.

c. Paper products containing SBU information will not be disposed of in regular trash or recycling receptacles unless the materials have first been destroyed as specified above.

6.6. Disposal of IT Systems Containing SBU. Refer to NPR 2810.1 for procedural requirements regarding clearing of hard drives, blackberries, personal digital assistant (PDA's), and other storage mediums, prior to disposal or recycling.

7. Incident Reporting. The loss, compromise, suspected compromise, or unauthorized disclosure of SBU information will be reported. Incidents involving SBU in NASA IT systems will be reported to the center IT Security Manager in accordance with IT incident reporting requirements in NPR 2810.1.

7.1. Suspicious or inappropriate requests for information by any means, e.g., email or verbal, shall be report to the NASA Center Chief of Security.

7.2. Employees or contractors who observe or become aware of the loss, compromise, suspected compromise, or unauthorized disclosure of SBU information will report it immediately, but not later than the next duty day, to the originator and the Center Chief of Security.

7.3. Additional notifications to appropriate NASA management personnel will be made without delay when the disclosure or compromise could result in physical harm to an individual(s) or the compromise of a planned or on-going operation.

7.4. At the request of the originator, an inquiry will be conducted by the center security official or other designee to determine the cause and affect of the incident and the appropriateness of administrative or disciplinary action against the offender

8. Administrative Violations and Sanctions.

8.1. All NASA employees, as well as non-employees, who have access to SBU are responsible individually for complying with the provisions of this NPR and may be subject to administrative sanctions if they disclose information designated SBU without proper authorization.

8.2. Sanctions include, but are not limited to warning notice, admonition, reprimand, suspension without pay, forfeiture of pay, removal, and/or discharge.

8.3. Such sanctions may be imposed, as appropriate, upon any person determined to be responsible for a violation of disclosure restrictions in accordance with applicable law and regulations, regardless of office or level of employment.

3.1.2.8 Personnel Security. The contractor shall provide appropriate personnel security support for KSC and perform the following:

- Process (as applicable) routine investigative requests for KSC Personnel Reliability Program (PRP) and KSC Information Technology, and Personnel Security Programs;
- Conduct pre-employment screening for Interim PRP;
- Accept from and certify to other NASA Centers PRP Certifications;
- Conduct interviews, perform record checks, review and summarize investigations, out processing of civil servants and maintain a database of current and pending actions for the Federal Employees Security Program; and
- Provide administrative, investigative, database management systems and customer interface support to the NASA International Visitors Program at KSC
- Utilize NASA Sensitive but Unclassified Controlled Information as defined in Technical Exhibit 3.1.2.8-01 (Mod 451)

The contractor shall provide a written statement certifying the accuracy of the workload data on an annual basis as of 30 September of each fiscal year. The first statement shall be no later than 30 September 2003.

WBS	Function	Workload Description or Document Title	Document Number (if Applicable)	Rev. Date
2.1.2	Design Specification Services	<ul style="list-style-type: none"> * NASA Mastertext consisting of 75 database sections. * 74 NASA Mastertext sections written, changed or replaced. * 13 KSC local text sections written, changed or replaced. * 3,000 Technical support questions received. * 20 local industry meetings supported. * 2 CSI national conventions supported. * 2 NIBS-CCCB meetings. * AF O&M Design Services annual baseline for projects valued at \$6M-3.05M * 45 UFGS Merger 	<p>MOD 205 MOD 385 MOD 205</p> <p>MOD 451</p>	

2.1.3 Construction Engineering

The contractor shall perform construction management, construction services, field surveillance and inspection, construction cost engineering, land surveying, facility activation and turnover support, and associated planning, scheduling, and administrative support for those construction projects implemented by the contractor or implemented by ~~others~~ NASA-KSC and assigned to the contractor for construction engineering support. [\(Mod 451\)](#)

The contractor shall provide construction engineering services for projects implemented by the contractor or implemented by NASA-KSC and assigned to the contractor for construction engineering support beginning with constructability reviews at the 90% design phase. Support shall continue through the construction, beneficial occupancy, activation/turnover, and warranty program phases. [\(Mod 451\)](#)

2.1.3.1 Construction Management. The contractor shall provide project and construction management support for all NASA-KSC facility projects assigned to the contractor for design, construction management, and/or implementation. The contractor shall implement a construction management approach that provides high-quality construction performance and facilities that meet functional requirements on schedule and within approved funds. The contractor shall ensure that all bid packages contain complete and detailed documentation that fully describes each facility configuration, performance requirement and the intent for the facility construction work, including environmental permitting and construction. The contractor shall track, analyze and report project status, scope, schedule, and cost. The contractor shall address these items monthly and report on variances from agreed upon cost and schedule. [\(Mod 451\)](#)

2.1.3.2 Construction Services. The contractor shall provide field surveillance and associated inspection services to ensure successful implementation of facility projects per Technical Exhibit 2.1.3-001. The contractor shall provide inspection services, while focusing on safe and environmentally sensitive execution of facility projects. The contractor shall perform daily site visits and witness specified on-site acceptance testing and mandatory inspection points. The contractor shall document non-conformance with drawing, specifications, contract provisions, and safety regulations. The contractor shall prepare and track punch list items to completion. The contractor shall coordinate shop support for outages, system testing, and utility locates.

The contractor shall provide environmental support to NASA Construction of Facilities (CoF) projects. The contractor shall provide environmental consulting expertise and coordination throughout the CoF process. The contractor shall provide consultant services at the Project concept, NASA Program Operating Plan, Preliminary Engineering Report, Engineering Design and Project Construction phases. The contractor shall provide input to the identification of potential environmental compliance requirements and documentation of requirements necessary to ensure that CoF environmental requirements are adequately scoped. The contractor shall participate at pre-work meetings to ensure that environmental requirements are communicated to CoF contractors. The contractor shall supplement inputs from other environmental subject matter experts from NASA, consulting engineers, and various J-BOSC organizations to support the planning and design engineering phases of CoF projects. This support will also include project field implementation consultation for environmental requirements such as waste management, stormwater pollution prevention plans, etc. and the monitoring of field compliance with KSC/regulatory requirements and best practices. [\(Mod 388\)](#)

The contractor shall provide tracking and distribution support for construction contractor shop drawings, material submittals, and other information provided for government review and approval. The contractor shall maintain submittal tracking logs to track the review and approval process. The contractor shall maintain submittal files as official Government records. The contractor shall maintain tracking logs for construction contract change orders and supplemental agreements. The contractor shall track estimated, proposed, evaluated, and negotiated costs.

The contractor shall have construction inspectors on the job site when needed to support significant construction operations, critical inspection points, acceptance tests, and final inspections.

2.1.3.3 Construction Cost Engineering. The contractor shall provide facilities, systems, and equipment cost estimating and cost engineering services to support [NASA-KSC](#) construction activities. The contractor shall provide construction cost engineering and scheduling support for assigned projects. The contractor shall review, analyze, and provide recommendations regarding contractor progress schedules, pay requests, cost proposals, and claims. [\(Mod 451\)](#)

The contractor shall prepare complete findings of facts, including impact assessments for claims and proposed change orders with supporting cost estimate, for use by the Government on those construction contracts under surveillance. Cost analysis and estimating construction support shall be as requested for projects under surveillance commencing no later than project notice to proceed.

The contractor shall review and analyze construction activities in accordance with the following schedule or by the negotiated due date 90% of the time:

- Construction schedule – 3 days
- Pay request – 3 days
- Cost proposals – 10 days
- Claims – 30 days

The contractor shall conduct independent assessments and cost estimation of selected facility and Construction of Facility (CoF) projects, including quality control of project cost estimates. The contractor shall maintain the capability to perform life cycle cost analyses of facility and CoF projects. The contractor shall develop and maintain a project cost element database, including monthly cost indices, for facility and CoF projects. The contractor shall develop reports that analyze project bids and compare the bids against official government estimates.

2.1.3.4 Land Surveying. The contractor shall provide survey support for verification of requested in-place construction to required elevations and grades for projects assigned to the contractor for construction management services and minor data collection support for customer use. Geographic Information System (GIS) standards shall be utilized to support real estate data for KSC, CCAFS, and the Florida Annexes for the GIS maintenance function.

2.1.3.5 Facility Activation and Turnover. The contractor shall implement a facility activation plan that ensures that new or modified facilities, systems and equipment procured by the government are coordinated, reviewed, and accepted by J-BOSC for engineering, operations, and maintenance responsibility.

In support of facility activation, the contractor shall prepare Interim and Final O&M turnover packages for assigned projects. The contractor shall participate in projects requirement reviews, design reviews, project status meetings, systems acceptance testing, and final inspections. The contractor shall prepare real property turnover packages for government signature and distribute to appropriate KSC/CAFS O&M and Real Property Officers. The contractor shall ensure that all OMD documentation has been properly processed and distributed to responsible O&M support organizations.

Projects implemented by others require that turnover packages be provided to J-BOSC for integration of F/S/E assigned to the contractor for O&M responsibilities.

The contractor shall prepare and submit interim O&M turnover documentation within two weeks of customer's request after substantial completion.

The contractor shall provide a written statement certifying the accuracy of the workload data on an annual basis as of 30 September of each fiscal year. The first statement shall be no later than 30 September 2003.

WBS	Function	Workload Description or Document Title	Document Number (if Applicable)	Rev. Date
2.1.3	Engineering and Construction Services	AF Construction Services Workload Indicator: * Approximate total annual costs of projects for which J-BOSC performs construction management services: \$3,000,000	(MOD 135) MOD 451 MOD 385	

2.1

ENGINEERING SERVICES

The contractor shall provide engineering services to accomplish base operations and support services in support of facilities planning, real property management, facility programming, design services, specifications, engineering documentation, construction management, surveying, cost analysis, facility activation, and energy management at KSC, CCAFS, and the Florida Annexes. For specific Air Force services, please refer to the subparagraphs below. (Mod 451) The contractor shall maintain Air Force and NASA facilities in a cost-effective manner that protects and preserves investments. The contractor shall provide engineering services to NASA in accordance with NASA-STD-8719.11 and NPG 8820.2E.

2.1.1 Facilities Planning

The contractor shall provide a full range of facilities planning services for KSC, CCAFS, PAFB, and the Florida Annexes, as described in the following paragraphs. The facility inspection services that support the long term planning services will not be provided for the Air Forces's F/S/Es. The contractor shall be committed to preserving government assets and protecting the environment. The contractor shall continuously promote the stewardship of government resources among managers and the workforce. The contractor approach shall be to protect the government's investment through dedicated maintenance and repair of infrastructure, advocacy for capital improvements, effective land use for all activities and tenants, and continuous observations and recommendations to appropriate government personnel in all areas. **(Mod 397)**

2.1.1.1 Real Property Management. The contractor shall maintain real property records and perform physical inventories to include utilization of government-accountable facilities located on KSC, CCAFS, and Florida Annexes as listed in Technical Exhibit 2.1.1.1-001, NASA Real Property and Technical Exhibit 2.1.1.1-002, AF Real Property. Upon land withdrawal or return from the Fish and Wildlife Service, the contractor shall enter data in the Cape Canaveral Spaceport Geographic Information System (CCSGIS).

The contractor shall support management of NASA accountable real property in accordance with NPD 8800.14B, Policy for Real Property Management for NASA. The contractor shall support management of Air Force-accountable Real Property information in accordance with Air Force 32 Series publications 9001, 9002, 9003, 9004, and 9005.

The contractor shall maintain reports, to include the KSC Annual 1400 report, the NASA Quarterly Real Property report, the KSC Trailer Abatement Report, and the Air Force Quarterly Report for Stuart P. McKinney Homeless Act.

2.1.1.2 Space Planning. The contractor shall provide space assessments for NASA-KSC and Air Force facilities, in accordance with KHB 1200.1E and 45 SW Instruction 32-1007.

The contractor shall maintain space utilization information, other than Air Force facility floor plans, for facilities as listed in Technical Exhibit 2.1.1.1-001, NASA Real Property and Technical Exhibit 2.1.1.1-002, AF Real Property (Mod 451).

The contractor shall maintain and validate a current list of all facility managers and serve as the coordinating agency for dissemination of information, training, and instructions for NASA-KSC facilities. The contractor shall provide initial training for all newly assigned facility managers for NASA-KSC facilities on CCAFS, Florida Annexes, and KSC. (Mod 451)

The contractor shall provide a written statement certifying the accuracy of the workload data on an annual basis as of 30 September of each fiscal year. The first statement shall be no later than 30 September 2003.

WBS	Function	Workload Description or Document Title	Document Number (if Applicable)	Rev. Date
2.0	Public Works			
2.1	Engineering Services			
2.1.1	Facilities Planning	<ul style="list-style-type: none"> * Maintain/update current list of FM's (1,400 changes annually) for all AF and SGS NASA-KSC facilities, and serve as coordinating agency for dissemination of information, training, and instructions. Provide training. * Publish BIG's and distribute 800 hard copies and 200 CD's every other year for the AF. KSC will remain annually. * 50 comprehensive map packages, with comprehensive defined as anything not existing in published GIS maps. * 120 total site plans processed. * 1 major and 1 minor comprehensive siting study for KSC annually. * Maintain CCAFS Airfield Waiver Map, CCS QD Map, and CCS LOS Map. 3 Annually * 450 map revisions provided in GIS compatible format (300 small, 85 med, 65 large) * KSC Facility Space Management Database maintenance covers 8 million square feet of facility space over 800 facilities. * 6 Power Systems Analyses/Studies Performed. * 250 requests annually for KSC Facility Management database reports. * 50 basic Space Allocation Assessments performed annually. * Voucher approximately 110 NASA and 200 AF modification packages. 	<p>MOD 205 MOD 451</p> <p>MOD 205 MOD 385</p> <p>MOD 205</p> <p>MOD 205 MOD 385 MOD 205</p> <p>MOD 205</p> <p>MOD 205</p>	

The contractor shall provide a written statement certifying the accuracy of the workload data on an annual basis as of 30 September of each fiscal year. The first statement shall be no later than 30 September 2003.

WBS	Function	Workload Description or Document Title	Document Number (if Applicable)	Rev. Date
		* Voucher approximately 60 NASA and 20 AF construction packages per year. * Conduct and annotate approximately 900 KSC RP facility walk-downs every three years; 2,500 AF every 5 years and approximately 155 AF RP facility walk-downs in FY08. Real Estate Documents: Prepare approximately 20 Air Force permits, leases, and licenses annually. Provide tracking and initiate instrument renewal base on expiration date, approximately 70 per year.	MOD 205 MOD 205 MOD 451 MOD 205	
2.1.1.1	Facility Project Planning and Programming		MOD 205	
2.1.1.1	Real Property	* KSC Annual 1,400 Report * NASA Quarterly Real Property Report * AF Quarterly Report for Stuart P. McKinney Homeless Act	MOD 205	

2.1.4 Energy and Water Conservation

2.1.4.1 Energy Management Program. The contractor shall provide program management support for the overall KSC ~~and CCAFS~~ Energy Management Program. The contractor shall conduct an Energy Management Program that plans, implements, and measures the status of conservation initiatives for J-BOSC responsible ~~NASA-KSC~~ F/S/E in accordance with the O/M/E/U Matrix. The contractor shall coordinate an effective utilities conservation program that includes hot and chilled water, natural gas, propane, fuel oils, and electric power. ~~The contractor shall support the USAF Energy Performance Contractor (ESPC) for CCAFS with respect to the USAF Energy Savings Performance Contract scope of work.~~ (Mod 451)

The contractor shall perform Facility Energy Audits for all NASA J-BOSC facilities which meet the intent of Executive Order (EO) 13123 and NPR 8570.1, Chapter 4. (Note: Due to a lack of government funds, the contractor will not be required to comply with EO 13123 and NPR 8570.1, Chapter 4 energy audit requirements until such time as funds become available).

The contractor shall actively support the KSC ~~and CCAFS~~ energy program and shall conduct an internal program for J-BOSC. The contractor shall provide the following support to the energy management and conservation program: (Mod 451)

- Support the coordination of the contract-wide program through information, collection and analysis;
- Identify and assist in implementing opportunities for applying cost-effective alternative fuel technologies and energy reduction projects;
- Identify and assist in implementing opportunities for cost-effective purchasing and application of utilities; and
- Utilize Type 3I energy saving projects and energy efficient designs for future projects

For CCAFS, the contractor will provide miscellaneous energy program support which will be jointly approved by the J-BOSC Energy Manager and the AF CEL Energy Manager. (Mod 451)

2.1.4.2 Energy Conservation. The contractor shall reduce energy consumption as defined in Performance Standard 2.1.4-01 (Energy Use Index in J-BOSC/NASA Facilities). The performance standard shall consist of two measures and shall be posted quarterly on the contractor's energy web page. One measure shall be calculated from standard EUI calculations and is not a contract requirement goal. The second measure shall be calculated without the Orsino Area miscellaneous category and is the contract requirement goal.

2.1.4.3 Reports and Plans. The contractor shall provide energy management program status to the government and shall collect, analyze, validate, and prepare reports and plans as listed in Technical Exhibit 2.1.4-01 – Energy Management Office Periodic Report Requirements. ~~Reference Air Force Energy Program Procedural Memorandum (AF EPPM) 96-3 for Defense Utility Energy Reporting System (DUERS) for Air Force Periodical Report.~~ (Mod 451)

2.1.4.4 Water Management Program. The contractor shall provide a water management and conservation program in accordance with EO 13123 for KSC ~~and CCAFS~~. The contractor shall conduct a Water Program that plans, implements, and measures the status of conservation initiatives for J-BOSC ~~NASA-KSC~~ responsible F/S/E. (Mod 451)

2.2.1.5 Engineering Document Center. The contractor shall operate and maintain an engineering document center for KSC and CCAFS for the release, storage, and retrieval of documents.

Technical Exhibit 2.1.4 (Mod 137)(Mod 451)			
ENERGY MANAGEMENT OFFICE PERIODIC REPORT REQUIREMENTS			
DOCUMENT	FREQUENC	SCOPE	REFERENCE
NASA Energy Utilization and Consumption Report	monthly	NASA Facilities	TE 2.1.1.1-001
NASA Environmental Tracking System Cost and Consumption Report	quarterly	NASA Facilities	TE 2.1.1.1-001
NASA Environmental Tracking System Accomplishment Report	annually	JBOSC / NASA Facilities	OMEU
NASA Consumption and Cost Forecast	annually	JBOSC / NASA Facilities	OMEU
NASA NETS POP Exhibit	annually	JBOSC / NASA Facilities	OMEU
NASA Water Consumption Report	monthly	NASA Facilities	TE 2.1.1.1-001
DESC Gas Summary Report	monthly	NASA Facilities	TE 2.1.1.1-001
NASA Five Year Energy Plan	triennial	NASA Facilities	TE 2.1.1.1-001
USAF Reimbursible Electrical Utility Consumption Report for NASA Meters	monthly	CCAFS Facilities	TE 2.1.1.1-002
Defense Utility Energy Consumption Data	quarterly	CCAFS Facilities	TE 2.1.1.1-002

2.1.2.4 Joint Technical Documentation Control Center (JTDC). The contractor shall maintain the baseline of and prepare, maintain, and deliver to the J-BOSC Engineering Documentation Center (EDC) updated engineering documentation for assigned J-BOSC F/S/E to include (as appropriate to the task) engineering documentation for conceptual, preliminary, and detailed design for sustaining engineering tasks. The contractor shall provide configuration controlled release and retrieval coding for J-BOSC engineering originals and associated engineering drawings, specifications, and documents. The contractor shall provide designated engineering records, document, and data management and control to include documentation closure against configured and critical F/S/E and related systems. The contractor shall prepare, maintain, release, and control documentation (such as OMI and PMI, maintain or "record" drawings as shown in CMDS) required by the contractor to perform operations, maintenance, repair, and modification of all assigned structures, facilities, utilities, and equipment on KSC, CCAFS, and the Florida Annexes, excluding PAFB. The contractor shall perform engineering documentation support as required to produce the Facility Number Report (CMDS/CID).

2.1.2.4.1 Operations and Maintenance Documentation. The contractor shall modify and update the following Operations and Maintenance Documentation (OMD), which includes drawings, instructions, specifications, System Assurance Analyses/System Criticality Analyses (SAAs/SCAs) and other Risk/Hazard Analysis Packages, SPAs, PV/S and Department of Transportation (DOT) compliance reports, OMRSDs, OMIs, and PMIs as directed by the applicable J-BOSC Configuration Control Board (CCB). As-builts provided by the government or other contractors shall be processed and released to EDC or logged for document maintenance upon final acceptance of turnover and subsequent receipt of accurate as-builts, and turnover documentation per the following schedule, or as directed by the applicable J-BOSC CCB:

- 95% within 60 days for government critical systems;
- 75% within 90 days for government configured and mission essential systems*; and
- No more than 10 Engineering Orders (EOs) per drawing*
- * - For AF drawings, applies only to electrical and potable water systems (Mod 451)

2.1.2.4.2 Critical/Configured Systems Documentation. The contractor shall provide critical/configured systems baseline identification and change control; coordinate and maintain contractor interface agreements (memoranda of understanding); Configuration Management Data System (CMDS) technical data administration and maintenance; coordination and maintenance of CMDS memoranda of understanding between contractor and others as needed; maintenance of the CMDS configuration identification module; and provision of required CMDS release and retrieval coding.

2.1.2.4.3 Data Management. The contractor shall provide data management for CMDS derived web-based F/S/E O/M/E/U Matrix in accordance with DRD 2.2-01, Report, Facilities, Systems, and Equipment Operations/Maintenance/Engineering/User Matrix.