

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE OP-ES		PAGE OF PAGES 1 9	
2. AMENDMENT/MOD NO. 5		3. EFFECTIVE DATE 09/24/09		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. 98600		7. ADMINISTERED BY Same as Block 6		CODE OP-ES	
NASA Procurement Office, OP-ES John F. Kennedy Space Center Kennedy Space Center, FL 32899		CODE OP-ES		CODE OP-ES	
8. NAME AND ADDRESS OF CONTRACTOR (No. Street, County, State and ZIP Code)		(9)		9A. AMENDMENT OF SOLICITATION NO NNK09289054R	
		<input checked="" type="checkbox"/>		9B. DATED (SEE ITEM 11) 7/20/09	
		(10)		10A. MOD. OF CONTRACT/ORDER No	
CODE		FACILITY CODE		<input type="checkbox"/> 10B. DATED (SEE ITEM 13)	
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers IS 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 one (1) copy 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 ACKNOWLEDGMENT 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)					
<i>Financial Management</i>					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
<input type="checkbox"/> 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.					
<input type="checkbox"/> 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).					
<input type="checkbox"/> C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
<input type="checkbox"/> D. OTHER (Specify type of modification and authority)					
IMPORTANT: Contractor (is or is not) required to sign this document and return _____ copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)					
Construction of Platforms in High Bay 3 of the Vehicle Assembly Building					
See next pages for continuation of Block 14.					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER		
15B. CONTRACTOR/OFFEROR			16B. UNITED STATES OF AMERICA		16C. DATE SIGNED
(Signature of person authorized to sign)			(Signature Of Contracting Officer)		
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE		30-105		STANDARD FORM 30 (REV. 10-83) ES Prescribed by GSA FAR (48 CFR) 53.243	

SF 30 Continuation Page

The purpose of this amendment is to amend solicitation, add required FAR Clause, answer Question, and post an informational only drawing.

Section 1 Amend Solicitation

1. REFERENCE: RFP, Section F.8, Page 25-26, Paragraph 1:

DELETE:

Access to the VAB High Bay 3 work area and the associated contractor facilities and laydown construction site(s) will be limited due to ongoing operational requirements. No work will be allowed on the work site(s) except during assigned work windows. Duration of each individual work window will vary throughout the performance period of total 618 days. The contractor will plan for joint occupancy of the installed platform installation activities 556 days after award. The NASA contractors providing GSE for supporting assembly of the rocket will need to start work on their installation. The contractor shall plan the work so that the platforms are essentially complete and able to support NASA installed GSE items. In addition, the communications rooms shall be complete.

INSERT:

Access to the VAB High Bay 3 work area and the associated contractor facilities and laydown construction site(s) will be limited due to ongoing operational requirements. No work will be allowed on the work site(s) except during assigned work windows. Duration of each individual work window will vary throughout the performance period of total 618 days. The Contractor shall plan for limited beneficial occupancy of the work site no later than July 25, 2011. The Government will require access to allow other contractors to begin installation of equipment on the platforms and installation of communication and data systems. The Contractor shall plan the work so that the platforms and communication rooms are substantially complete and able to permit the installation of equipment.

2. Reference: RFP SECTION H.6 NFS 1852.43-72 Equitable Adjustments (APR 98) Page32

DELETE in its entirety and REPLACE with:

H.6 NFS 1852.43-72 EQUITABLE ADJUSTMENTS (APRIL 1998)

(a) The provisions of all other clauses contained in this contract which provide for an equitable adjustment, including those clauses incorporated by reference with the

exception of the “Suspension of Work” clause (FAR 52.242-14), are supplemented as follows:

Upon written request, the Contractor shall submit a proposal for review by the Government. The proposal shall be submitted to the contracting officer within the time limit indicated in the request or any extension thereto subsequently granted. The proposal shall provide an itemized breakdown of all increases and decreases in the contract for the Contractor and each subcontractor in at least the following detail: material quantities and costs; direct labor hours and rates for each trade; the associated FICA, FUTA, SUTA, and Workmen’s Compensation Insurance; and equipment hours and rates.

(b) The overhead percentage cited below shall be considered to include all indirect costs including, but not limited to, field and office supervisors and assistants, incidental job burdens, small tools, and general overhead allocations. “Commission” is defined as profit on work performed by others. The percentages for overhead, profit, and commission are negotiable according to the nature, extent, and complexity of the work involved, but in no case shall they exceed the following ceilings:

	Overhead (Percent)	Profit (Percent)	Commission
To Contractor on work performed by other than its own forces	-----	-----	10 percent
To first tier subcontractor on work performed by its subcontractors	-----	-----	10 percent
To Contractor and/or subcontractors on work performed with their own forces	10 percent	10 percent	-----

(c) Not more than four percentages for overhead, profit, and commission shall be allowed regardless of the number of subcontractor tiers.

(d) The Contractor or subcontractor shall not be allowed overhead or commission on the overhead, profit, and/or commission received by its subcontractors.

(e) Equitable adjustments for deleted work shall include credits, limited to the same percentages for overhead, profit, and commission in paragraph (b) of this clause.

(f) On proposals covering both increases and decreases in the amount of the contract, the application of the overhead, profit, and commission shall be on the net change in direct costs for the Contractor or the subcontractor performing the work.

(g) After receipt of the Contractor’s proposal, the contracting officer shall act within a reasonable period, provided that when the necessity to proceed with a change does not permit time to properly check the proposal, or in the event of a failure to reach an agreement on a proposal, the contracting officer may order the Contractor to proceed on the basis of the price being determined at the earliest practicable date. In such a case, the

price shall not be more than the increase or less than the decrease proposed.
(End of clause)

3. REFERENCE RFP SECTION J.1.C

Note there is a numbering error after with paragraph J.1.C.13 on page 12. Numbering J.1.C.14 begins with SPECIAL HOUSEKEEPING REQUIREMENTS and is sequentially numbered to end at J.1.C.23 OTHER SPECIAL CONSIDERATIONS FOR BIDDING AND PERFORMING THE WORK on page 18.

Section 2 FAR Clause Addition

REFERENCE: RFP, SECTION I, LISTING OF FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1) CLAUSES INCORPORATED BY REFERENCE

INSERT: FAR 52.222-54 Employment Eligibility Verification (Jan 2009)

Section 3 Question and Answers

1. REFERENCE: Drawing M-505

QUESTION: M-505 Parts List in VAB (External to Panels) does not address the 1" tubing for the BAIR shown on M-101. Is the tubing, unions, B-nuts & Sleeves GFE and or is it a welded tube system with GFE Spud adapters, weld couplings, B-nuts & sleeves?

ANSWER: *BAIR system piping is not GFE. Refer to specification section 22 60 70 for the breathing air system. This section is added to the Revision A of the specification.*

2. REFERENCE: ½" GO2 Tubing on Drawing M-101

QUESTION: What type of system is the ½" GO2 tubing? Is it welded or flared with unions? Also are the tubing & fittings GFE?

ANSWER: *The GO2 tubing is welded and tubing/KC fittings are Government Furnished Equipment (GFE) similar to the GN2 and GHe. See Revision A to the specification, section 22 15 13.16 40.*

3. REFERENCE: Drawing 10C00007-A-504 – Specific Note C & Detail CB

QUESTION: Detail CB states 1½” steel pipe while Specific Note C states round 1½” O.D. tube. The 1½” steel pipe (Detail CB) has an O.D. of 1.9” and is the most common material for handrail fabrication.

Is Specific Note C in error or is a special round tube required to obtain the 1½” O.D.?

ANSWER: Use 1-1/2” (1.9” O.D.) standard pipe. See Revision A to the drawing.

- 4. REFERENCE: Specification 26.08.00, part 1.4 – Apparatus Electromagnetic Radiation Testing**

QUESTION: Part 1.4.1 of referenced specification states “Contractor shall engage the services of a qualified testing organization to provide inspection, testing, calibration and adjustment of the electrical distribution system and generation equipment listed in paragraph entitled ‘Acceptance Tests and Inspections’ herein.”

Specification 26.08.00 does not contain a paragraph titled “Acceptance Tests and Inspections”.

Where is the paragraph “Acceptance Tests and Inspections” located?

ANSWER: Referenced Title is in error. Refer to paragraph 3.1 “Acceptance Tests”. See Revision A to the specification.

- 5. REFERENCE: Specification 26.08.00 – Apparatus Electromagnetic Radiation Testing**

QUESTION: Part 1.3 of referenced specification requires all electronic equipment to be tested to meet the requirements of MIL-STD-461F.

Is the intent of this section that every electronic fixture be tested or is it acceptable to test a random sampling of same-type fixtures?

ANSWER: No, testing of every electronic fixture is not required. It is the intent that all fixtures which are installed meet the requirements. Random sampling is acceptable however; the Contractor is responsible to ensure all fixtures meet these requirements.

- 6. REFERENCE: Drawing FP-503 (10C00003)**

QUESTION: Referenced drawing shows the “Pull to Arm” and “Pull to Activate” fire protection placards being 48’ by 44’ in dimension (yes – 48 feet by 44 feet).

Please verify these measurements.

ANSWER: *48’ by 44’ is incorrect for these placards. Placard dimensions are revised 5 ½” x 6” in revision A of the drawing.*

7. REFERENCE: Drawing M-104, specific note F

QUESTION: Referenced drawing shows the “Pull to Arm” and “Pull to Activate” fire protection placards being 48’ by 44’ in dimension (yes – 48 feet by 44 feet).

Please verify these measurements.

ANSWER: *48’ by 44’ is incorrect for these placards. Placard dimensions are revised 5 ½” x 6” in revision A of the drawing.*

8. REFERENCE: Drawing M-104, specific note F

QUESTION: There is no Division 03 specification (Concrete) provided as part of this RFP. Referenced drawing requires a cast-in-place concrete curb to be installed. Please provide a concrete specification.

ANSWER: *Concrete requirements will be provided on sheet M-502 in Revision A of the drawing.*

9. REFERENCE: Drawing E-202; Specification 27 51 13.00 98 (Paging Systems)

QUESTION: Drawing E-202 shows enclosures titled Cable Plant, Spare, KGSC, OTV, KNET and KITS. KITS are also located on some of the platform levels. We assume the KITS are to be provided by the contractor per the detail on drawing E-502 without racks installed. We assume all of the other enclosures are to be contractor provided per specification 27 51 13.00 98, part 2.2.3. Please confirm. If not, please clarify.

ANSWER: *All racks for communications systems located in room 3E8 indicated on Drawing E-202 are Government Furnished and Government Installed. This will be clarified in Revision A of the drawing. Yes, KITS panels shown on the platform levels and risers are to be provided by the Contractor per notes and Detail on E-502. Specification 27 51 13.00 98 applies to paging systems, including terminal cabinets as shown on sheet E-604.*

10. **REFERENCE: Drawing E-001 (10C00003 and 10C00007)**

QUESTION: Fixture Types A & B call for a 277V cord and twistlock plug. Please confirm if the intent is to install a 277V receptacle at each fixture rather than hard piping between the fixtures.

ANSWER: *No, the requirement is to provide hard piping between fixtures. The fixture catalog numbers will be revised in Revision A of the drawing.*

11. **REFERENCE: Specification Section 09 97 13.00 40, part 2.1 Abrasive Blasting Material**

QUESTION: Per part 2.1 of referenced specification, "Abrasive blasting material shall be per SSPC A, Chapter 2.4, and SSPC AB 1." The SSPC A is the method of blasting and the SSPC AB 1 is the type of abrasive. SSPC AB 1 is a "Mineral and Slag Abrasive" (non-metallic).

Can we substitute the use of S280 steel shot (90% steel shot +10% abrasive grit) in lieu of the "Mineral and Slag Abrasive" to obtain the required SSPC SP-10 blast profile?

ANSWER: *No, S280 steel shot cannot be substituted.*

12. **REFERENCE: Metal Stair Specification Section 05 51 00.00 40, part 2.1**

QUESTION: Per referenced specification, the floor plate and stair treads are to have an abrasive coating, Mebac or SlipNot which is metallically bonded to the plate.

Does this Mebac or SlipNot coating extend to all ¼" stiffened floor plate (i.e. on the Equipment Catwalks and Crossover Catwalks to the ML) or is the painted non-slip coating to be used on this material?

ANSWER: *Mebac or SlipNot is only for stair treads. The painted non-slip deck coating is to be applied to all ¼" stiffened floor plates.*

13. **REFERENCE: Structural Steel Specification 05 12 00, part 2.2.2 Self-Locking Nuts.**

QUESTION: We have not seen any type of self-locking nut on the structural steel that fits this description. Where are these self-locking nuts required?

ANSWER: *Contrary to the specification, there are no structural steel lock nuts in the project. See Revision A of the specification. However there are hardware items requiring lock nuts. The location and types of these are indicated on the drawings.*

14. REFERENCE: Drawing FP-003, Compressed Air and Solenoid Valve Cabinet List of Material

QUESTION: Item 1 reflects 1200 linear feet of 3/8" tubing and Item 2 reflects 2500 linear feet of 1/2" tubing. The 8 each cabinet tubing and the field interconnecting tubing to the cabinets does not appear to require that much tubing.

Are items 1 and 2 to be used at other locations for the Fire Protection system?

ANSWER: *No, items 1 and 2 are to be used only for fire protection system cabinet tubing and field interconnecting. Verify the quantities per Section J.1.C.8 of the RFP.*

15. REFERENCE: Drawing M-003, Specific Notes G and H

QUESTION: Specific Notes G and H refer to drawing 79K07491. We cannot find this drawing in the RFP documents. Please provide drawing 79K07491.

ANSWER: *Yes, drawing 79K07491 is provided as an attachment to this amendment.*

16. REFERENCE: Amendment #2 Labor/Material/Overhead breakdown

QUESTION: Please confirm if this breakdown can be submitted 24 hours after submitting initial bid?

ANSWER: *No, all requested items in the solicitation RFP must be received by the required date for receipt of proposals.*

17. REFERENCE: Contract requirement Section H Special Contract Requirements, paragraph H.6

QUESTION: Please confirm the requirements for vendors in regards to application of markups on Direct Costs as this paragraph indicates information for subcontractors only?

ANSWER: *The requirements in H.6 applicable to work performed by subcontractors cover vendors. FAR 44.101 defines a subcontractor as "any supplier, distributor, vendor or firm that furnishes supplies or services to or for the*

prime contractor or another subcontractor.” Please see above for a revision to NFS 1852.243-72.

Section 4 Informational Use Only Drawing

Drawing 79K07491 is hereby added for reference and information only.