

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE _____ PAGE OF PAGES 1 | 4

2. AMENDMENT/MODIFICATION NO. 0003 3. EFFECTIVE DATE 26 June, 2008 4. REQUISITION/PURCHASE REQ. NO. _____ 5. PROJECT NO. (If applicable) _____

6. ISSUED BY CODE _____ 7. ADMINISTERED BY (If other than Item 6) CODE _____
 John C. Stennis Space Center
 NASA/Office of Procurement
 Program Management Support Division, Mail Code DA10
 Stennis Space Center, MS 39529-6000
 Same as block #6

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) _____
 9A. AMENDMENT OF SOLICITATION NO. (X) _____
 NNS08239332R
 9B. DATED (SEE ITEM 11) _____
 May 23, 2008
 10A. MODIFICATION OF CONTRACT/ORDER NO. _____
 10B. DATED (SEE ITEM 13) _____
 CODE _____ FACILITY CODE _____

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

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

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
 (a) By completing items 8 and 15, and returning 1 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 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 your 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) _____
 N/A

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

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

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

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

Solicitation No. NNS08239332R MULTI-CHANNEL DIGITAL INTERCOMMUNICATIONS SYSTEMS is hereby changed as follows: See attached page 2

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 (Type or print) _____
 15B. CONTRACTOR/OFFEROR _____ 15C. DATE SIGNED _____ 16B. UNITED STATES OF AMERICA _____ 16C. DATE SIGNED _____
 (Signature of person authorized to sign) _____ (Signature of Contracting Officer) _____

1. Question: On Page 17, in **Section (A) Technical Compliance** requiring “Proof of Certification” for offeror’s hardware under the Division System (specifically from RFP request: Class I, Division I, Group B and Class I, Division II, Group B), will NASA recognize and/or approve the use of both the Division System and Zone System, as OSHA has done?

Answer: Stennis Space Center (SSC) currently uses and has historically used the Division Method of determining a hazardous locations per Articles 500-504 of the National Electrical Code (NEC), NFPA 70. All existing test area drawings and specifications refer to this nomenclature and system. It is not anticipated that SSC will re-rate or dual-rate the test facilities to the Zone System. If the offeror can explicitly show/identify where the Zone rated hardware complies/explicitly meets each and every requirement of the NEC Division System requirements and the offeror can explicitly show that all rated hardware testing was performed according to NRTL testing requirements/guidelines which uses the Division system and meets those requirements, then the hardware is acceptable. The offeror must provide written proof/evidence for each NEC and NRTL requirement.

2. Question: If so, will NASA reclassify the above requirements as Class I, Zone I and Class I, Zone II, respectively, where Hydrogen Gas and Vapors fall under Group IIC?

Answer: See Answer 1.

3. Question: RFP Response Delivery – there doesn’t seem to be detailed instructions provided for RFP response delivery. What address (mail or e-mail) should be used for delivery?

Answer: Block 9 of SF 1449: Refer to amendment 0002.

4. Questions: Are paper and/or electronic file submittals desired?

Answer: Refer to Amendment 0002

5. Questions: What quantity of each?

Answer: As the contract is intended to be structured so that items will be ordered via delivery order, the contract quantity for pricing purposes is 1 EA on pages 2 through 5 of the solicitation. Minimum and maximum possible ordering quantities are specified on page 31 of the solicitation.

6. Question: What address (mail or e-mail) should be used for delivery?

Answer: Refer to amendment 0002

7. Question: System Delivery Address – the delivery address shown does not agree between RFP Block 15 and Ship To paragraph on page 15 of the RFP.

Answer: Refer to Amendment 0002

8. Question: Operating Temp Requirements – station operating temperature requirements shown in 1.2.2.1 and 1.2.3.1 for extremely cold (-22 F° and -30° C) are not in agreement with standard Commercial component specifications. Commercial electronic components typically are only rated for operation down to 32°F-0°C. Upgrade to components rated as required in this specification will likely drive higher prices for these stations and require re-certification for hazardous operation. Since actual operating conditions foreseen for Stennis Space Center would never exceed standard Commercial ratings noted, it is suggested these requirements be revised accordingly to eliminate unnecessary cost and development time from this contract.

Answer: Refer to amendment 0002

9. Question: Existing Wireless Headsets – 1.4.6 requires the new Intercom system to “accommodate” existing wireless headsets and provides two specific types. Although it is likely that interfacing to these existing wireless headsets can be accomplished, the lack of detailed operational specifications makes that not completely certain. The available web site information on these two units was very limited. Additional detailed signal level interface information is required for full verification of interoperability.

Answer: The specifications for the QB-3S wireless headset from C-AT can be found at <http://www.c-at.com/products/amcvis/amcvisspecs.html> . The base electronics unit shown at the website has 3 different types of interfaces, one of which is a 600 Ohm interface that is intended to be used for connection to the Digital Intercom Communications System. The 600 Ohm connection interface should be a standard analog connection.

The Netcom GN9120 wireless headsets are for indoor use only and are not to be used in a hazardous rated environment. The unit used at SSC has an interface made by Pratt and Whitney Rocketdyne for connection to the existing analog communications system. Electrical information will be provided by drawing ISK-4100.

10. Question: Existing Wireless Headset Ratings - While gathering information for the two listed existing wireless headset systems, it was discovered that C-AT QB3 Intrinsically Safe wireless system is documented as only classified for Gas Groups C and D, but not B as required in 1.4.6.4. Has the existing A-B Complex QB3 wireless headset system been classified separately in some way for Group B? It should also be noted that connection of an existing SSC headset will likely require additional Agency review costs to maintain existing hazardous operation certifications.

Answer: The QB-3S wireless headset procured by SSC from C-AT, Inc. were specifically rated intrinsically safe, Class I, Division I, Groups A-D. Review for maintenance of hazardous operation certification will not be necessary.

11. Question: Amplified Speaker Stations - 1.4.8 describes requirement for Amplified Speaker Station with clear direction these would be “amplified audio only” without “capability of two-way communications”. It would appear this might be simply an output to a standard public address system, which might not require a “station”, however the description is unclear. Is the intent here to have a full station per the specs for the three unit types noted with some output to an existing public address system? Or is the PA system to be included, or in some other way provided via a speaker of some kind? More details are required to ensure an accurate vendor response to this section.

Answer: The requirement is for a speaker only communications station. The station can be set to any of the channels and shall still have its internal speaker. In addition, the station shall have an output that shall drive outside speaker(s). The intent is to provide the ability to send a channel’s audio over speaker(s)

in nearby locations. This is not the Public Address System but the requirement to keep personnel in close proximity aware of what is happening without putting the channel on a site-wide PA System.

12. Question: Headset Volume Adjustment - 1.5.2 requires that "headsets" shall provide "volume adjustment". This appears to be similar, and repetitive, to the requirements in each of the station sections for volume controls. Volume adjustments are not typically integrated into the headset, but provided within the station. Suggest revision of this item to clarify that volume controls are provided by the stations, as already specified in appropriate paragraphs, and not via some adjustment integral with the headset.

Answer: Refer to amendment 0002

13. Question: Existing Wired Headsets - 1.5.4 requires "accommodation" of existing wired headsets, and provides information on the mating connector. However, full specifications and/or manufacturer name-model numbers are required to verify whether the operating parameters of the existing headsets match to existing vendor station equipment. Use of existing wired headsets will also require additional Agency review costs to maintain existing hazardous operation certifications.

Answer: Existing SSC hazardous location unrated wired headsets David Clark H7030 and the Telex PH16 headsets will be used in non-hazardous locations only such as inside the Test Control Center or inside the Test Facility hardcore and will not require hazardous operation certification.

14. Question: Signal-to-Noise Ratio – There appears to be a discrepancy in the Performance Requirements for Signal-to-Noise. The system requirement for idle channel noise level in 3.5 is -50dB, which is a typical requirement level. Therefore, with a standard 0dB transmission reference signal level, the signal-to-noise ratio cannot be greater than -50dB, which is in conflict with the "70 dB or greater" requirement in 3.4.

Answer: Refer amendment 0002:

15. Question: Installation/Cabling – section 6 discusses Installation in general terms, although there are no CLIN items for vendor-supplied installation support for this contract. 6.3 specifically mentions that "cable shall be run throughout the test complex". Please clarify what, if anything, is required here for vendor installation services.

Answer: There is no requirement for vendor cable installation. The winning vendor may be requested to support startup of the system in which case cable troubleshooting may be necessary.

16. Question: Electrical Protection - 8.2 and 8.3 require electrical protection as part of "the system". In most cases, this protection is provided either by discrete devices at the installation point of the involved equipment or through facility protection devices separate from installed equipment systems. Please confirm what is expected in this regard to be supplied on this contract with vendor equipment.

Answer: Section 8.2 & 8.3 are requirements for NASA and local contractors during installation and not the responsibility of the vendor.

- b. The date for receipt of proposals remains the same as July 15, 2008, 3:00 PM Local Time.
- c. All other terms and conditions remain unchanged.