

2. Amendment/Modification No.  0011	3. Effective Date  2003JAN23	4. Requisition/Purchase Req No.  SEE SCHEDULE	5. Project No. (If applicable)
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6. Issued By  US ARMY AVIATION & MISSILE COMMAND AMSAM-AC-SM-TA STEPHANIE S GILKES (256)955-8126 REDSTONE ARSENAL AL 35898-5280  EMAIL: STEPHANIE.GILKES@REDSTONE.ARMY.MIL	Code	W31P4Q	7. Administered By (If other than Item 6)	Code
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8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)	<input checked="" type="checkbox"/>	SCD	PAS	ADP PT	9A. Amendment Of Solicitation No.  DAAH01-03-R-0040
	<input type="checkbox"/>				9B. Dated (See Item 11) 2002DEC03
	<input type="checkbox"/>				10A. Modification Of Contract/Order No.
	<input type="checkbox"/>				10B. Dated (See Item 13)

Code	Facility Code
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**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 2 signed copies of the amendments; (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)

**13. THIS ITEM ONLY APPLIES 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: The Contract/Order No. In Item 10A.	The Changes Set Forth In Item 14 Are Made In
<input type="checkbox"/>	B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, 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)	

E. IMPORTANT: Contractor  is not,  is 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.)

SEE SECOND PAGE FOR DESCRIPTION

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  _____ (Signature of person authorized to sign)	15C. Date Signed
	16B. United States Of America  By _____ /SIGNED/ (Signature of Contracting Officer)
	16C. Date Signed

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**Name of Offeror or Contractor:**

SECTION A - SUPPLEMENTAL INFORMATION

A-1 THE FOLLOWING QUESTIONS AND ANSWERS ARE PROVIDED.

1. Does the font requirement of 18 point for the oral presentation viewgraphs apply to the text shown in any figures that may be included in these viewgraphs?

ANSWER: All presentation material including figures shall be at least 18 point. This size was selected for readability in a group presentation.

2a. What is required of the contractor concerning spares as part of CLIN 1001AB (8 ROP kits)? SOW Paragraph 3.5.4 indicates, technical support shall include repair/replacement of failed systems/subsystems, LRUs. SOW paragraph 3.8.6 indicates the contractor shall develop a PSPL and the government shall utilize the PSPL to determine spares required for logistics demonstrations and IOT&E. Shall spares pricing be included now or will the government ask for that cost at a latter date when they determine the required spares in accordance with 3.8.6?

ANSWER: The Government will request spares pricing once the required spares are identified as described in Statement of Work paragraph 3.8.6. Spares should not be priced as part of CLIN 1001AB. The government will request spares pricing after determination of the Phase II selected offeror and final design.

2b. What level of usage is anticipated during IOT&E, DT, and M/LD to establish spares requirements?

ANSWER: The anticipated run hours are primarily in the Reliability and Maintainability (RAM) tests during developmental testing (DT). The Test and Evaluation Master Plan (TEMP) currently requires 500 operational hours in Developmental Testing (DT). Maintenance/logistic demonstration (M/LD) hours will be low and the IOT&E hours have not been determined.

3. SOW Figure 3.1 indicates two concurrent bench tests will occur (events K&L). Does this require the contractor to provide two separate bench test fixtures as part of CLIN 1001AB (8 ROP kits)?

ANSWER: Two CRS kits will be tested concurrently on separate bench test fixtures provided by the contractor.

4. SOW paragraph 3.9.11.2. Will Environmental Stress Screening (ESS) be required for the CLIN 1001AB deliverables or is this intended for production deliverables?

ANSWER: This statement of work applies to the System Development and Demonstration (SDD) effort. ESS is required for CLIN 1001AB hardware.

5. SOW Paragraph 3.10.7 Candidate Fault List. Our understanding is that you desire the contractor to be able to insert faults at will into the LRUs constituting the deliverable systems. Or do you desire separate LRUs be fabricated with faults inserted specifically for this purpose.

ANSWER: Our requirement is that the deliverable systems Line Replaceable Units (LRU) be able to accept the inserted faults.

6. Performance Specification paragraph 3.2.2.1.3 Data-link RF Bands. Is the intent for a single video subsystem to be able to tune over the entire range from 4.4 to 5.85 GHz with a dead band between 5.0 and 5.25 GHz? Would it be acceptable to have two configurations to address the separate ranges of 4.4 to 5.0 GHz and 5.25 to 5.85 GHz? Is the use of separate frequency specific antennas acceptable?

ANSWER: There is no prohibition in the specification or statement of work that precludes a Radio Frequency (RF) configuration that uses two hardware sets to cover the entire frequency spectrum from 4.4 to 5.85 (dead band from 5.0-5.25) megahertz (Mhz).

7. Is it correct to assume that the contractor need not consider the safety radio in the anticipated reliability predictions?

ANSWER: This is a correct assumption.

8. Can we assume that the vehicle lights will be manually turned on for DEUCE nighttime teleoperated payload control operations?

ANSWER: The DEUCE is required to operate robotically at night without the use of the platform headlights.

9. Will the ROP vehicle we are designing the kit for be equipped with the DVE?

ANSWER: Yes.

10. Is the contractor expected to perform any environmental testing separate from Government support as part of CLIN 1001AB?

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**Name of Offeror or Contractor:**

If so, what specifically?

ANSWER: The contractor is required to conduct a Performance Qualification Review. At the Performance Qualification Review, the contractor is required to verify that each of the specification requirements can be achieved as described in Statement of Work (SOW) paragraph 3.6.4.1. Testing is the preferred method of verification.

11. Was it an oversight to omit MOPP requirements for the maintainers?

ANSWER: No.

12. Does MTTR include depot maintenance?

ANSWER: No.

13. Could you provide a more definitive description of work performed by I-level or describe what maintenance you expect to be performed by depot level? The way I-level maintenance is explained -- perform all maintenance above unit level and below depot level -- requires knowledge of what the depot level maintenance is considered to be.

ANSWER: The tasks of intermediate level maintenance are dependent on the system design; however, line replaceable units (LRU) and below are not intended to be repairable at any level other than depot maintenance.

14. What is the definition of "essential function.? Understanding of essential functional failure is: A failure or malfunction causing degradation below an established level or causing complete loss of an essential function(s). Exceptions are those tasks that may have been identified as routine-operating procedures performed by the operator and prescribed in the user manual. All EFFs are serious failures since they impact an essential function.

ANSWER: Paragraph 3.1.1.1 of the Statement of Work defines essential function. Since competing designs are different, definition of these functions is a responsibility of the contractor, using the definition in paragraph 3.1.1.1.

15. Is there a requirement for MTBF for components other than those considered to be essential?

ANSWER: The specification only has a requirement for Mean Time Between Essential Function Failure (MTBEFF).

16. SOW paragraph 3.5.4 requires the contractor to price on-site test support for DT and MLD test phases. However SOW figure 3.1 and attachment 7 are in conflict as figure 3.1 calls out WSMR for event DT and attachment 7, CRS base kit Option with application to UGV ROP, lists Hawaii as a location but not WSMR. Also IOT&E is TBD in figure 3.1 and attachment 7 indicates it is at Ft. Bragg. Please clarify where and how long contractor support is required in each location.

ANSWER: Statement of Work (SOW) figure 3.1 correctly defines the planned test regimen for the Common Robotic System. Initial Operational Test & Evaluation (IOT&E) location has not been determined but will be within the Continental United States. SOW Figure 3.1 also defines the expected duration of the tests, assuming no major failures and downtime of equipment under test.

A-2 THE DATE AND TIME FOR RECEIPT OF PROPOSALS REMAINS 28 JANUARY 2003, 2:00 P.M. LOCAL TIME.

\*\*\* END OF NARRATIVE A 014 \*\*\*