

**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**1. Contract ID Code  
Firm Fixed Price

Page 1 Of 4

2. Amendment/Modification No.

0002

3. Effective Date

2013NOV20

4. Requisition/Purchase Req No.

SEE SCHEDULE

5. Project No. (If applicable)

6. Issued By

U.S. ARMY CONTRACTING COMMAND  
VINCE DUFF  
WARREN, MICHIGAN 48397-5000  
HTTP://CONTRACTING.TACOM.ARMY.MIL

Code

W56HZV

7. Administered By (If other than Item 6)

Code

8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)

9A. Amendment Of Solicitation No.

W56HZV-13-R-0282

9B. Dated (See Item 11)

2013SEP26

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. 2013DEC18

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.

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

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).

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 \_\_\_\_\_ 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/Offendor

15C. Date Signed

16B. United States Of America

16C. Date Signed

(Signature of person authorized to sign)

By \_\_\_\_\_ /SIGNED/  
(Signature of Contracting Officer)

NSN 7540-01-152-8070

30-105-02

STANDARD FORM 30 (REV. 10-83)

PREVIOUS EDITIONS UNUSABLE

Prescribed by GSA FAR (48 CFR) 53.243

<b>CONTINUATION SHEET</b>	<b>Reference No. of Document Being Continued</b>	<b>Page 2 of 4</b>
	PIIN/SIIN W56HZV-13-R-0282 MOD/AMD 0002	

**Name of Offeror or Contractor:**

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name: VINCE DUFF  
 Buyer Office Symbol/Telephone Number: CCTA-ADT-A/(586)282-4255  
 Type of Contract: Firm Fixed Price  
 Kind of Contract: Supply Contracts and Priced Orders

\*\*\* End of Narrative A0000 \*\*\*

1. The purpose of this Amendment 0002 to RFP W56HZV-13-R-0282 is to add the "RFP Questions and Answers" as Attachment 0007, make changes to the clause at paragraph E-6 of the original RFP in response to question 3a (now numbered E-1 in this Amendment 0002), and include language in Section C to update the Performance Specification.

a. Section C, paragraph C-3 of the original RFP entitled "TECHNICAL DATA PACKAGE INFORMATION" 52.212-4072 has been updated. The TDP (Performance Specification) for this solicitation resides within FedBizOpps (://www.fbo.gov), associated with this solicitation number, and can be accessed via these URLs:

://www.fbo.gov/fedteds/W56HZV13R0282  
 https://www.fbo.gov/notices/de027115b0b2ee31218a358386b3010a

b. Section E, paragraph E-6 of the original RFP entitled "GOVERNMENT FURNISHED TEST SUPPORT EQUIPMENT" 52.245-4577 (now numbered E-1 in this amendment 0002) is changed to add subparagraph 2 under paragraph c which adds "24ea M98 Gas and Particulate Filter Sets" as Government furnished test support equipment.

c. Section J, Attachment 0007, entitled "RFP Questions and Answers" is added to the RFP.

2. Prospective offerors are urged to consider the answers provided by the Government to these questions in the development of their respective proposals to the RFP.

3. Due to the number and scope of changes to this solicitation, the RFP closing date for this RFP has been extended an additional 15 days  
 from:

26 September 2013 through 03 December 2013

to:

26 September 2013 through 18 December 2013

to give industry additional time to respond to this procurement.

4. All other terms and conditions of this solicitation are unchanged and remain the same.

\*\*\* END OF NARRATIVE A0003 \*\*\*

**CONTINUATION SHEET****Reference No. of Document Being Continued****Page 3 of 4**

PIIN/SIIN W56HZV-13-R-0282

MOD/AMD 0002

**Name of Offeror or Contractor:**

## SECTION E - INSPECTION AND ACCEPTANCE

<u>Status</u>	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
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E-1 CHANGED	52.245-4577 TACOM (RI)	GOVERNMENT FURNISHED TEST SUPPORT EQUIPMENT	NOV/2009
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The Government will furnish the equipment, as listed in paragraph a below, to support First Article, Reliability, and/or Acceptance Tests. The cost of shipping the equipment to the Contractor's plant and return to the issuing agency, will be borne by the Government; except that the cost of preservation, packaging, and packing for return shipment shall be borne by the Contractor.

a. Item Nomenclature	PART NUMBER	National Stock Number	Cost Each	Unit of Issue	QTY
1. Air Duct, with Clamps	P/N 5-19-11093	4720-01-332-8527	\$325.12	1	3

b. Estimated Weight: 4.5 pounds each.

c. Cube: 1.53 cu. ft. each

2. M98 Gas and Particulate Filter Sets	P/N 5-19-622-N	NSN: 4240-01-369-6533	1	24
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b. Estimated Weight: 84 pounds each per 2 filter sets.

c. Cube: TBD (Will be determined at time of award)

d. Items to be furnished by the Government shall be ordered from the Contracting Officer at the Army Contracting Command, 6501 E. Eleven Mile Road, Warren, MI 48397-5000, ATTN: CCTA-ADT-A, not later than thirty (30) days prior to the desired delivery date.

e. The above items will be furnished on a loan basis and are intended for joint usage by the Contractor and the Government Representative to accomplish basic testing on this contract. The loaned items shall not be modified or altered in any manner, and shall be maintained and returned in as good condition as when loaned; fair wear and tear excepted.

f. When weapons are furnished, the Contractor shall take extraordinary precautions in safeguarding the items from theft or unauthorized use, and shall comply with physical security standards for sensitive items when required for the weapons by other provision of this contract. The Contractor shall also be responsible for cleaning and oiling the weapons at specified intervals and at the end of each day's firing, and for properly caring for the weapons when not in use.

g. The Contractor shall, within thirty (30) calendar days after Government acceptance of all items on this contract, provide an inventory list of all remaining Government furnished equipment to the Contracting Officer. Within forty-five (45) days after receipt of the inventory list, the Contracting Officer will provide the Contractor with disposition instructions.

h. The above items shall be preserved, packaged, and packed by the Contractor at the Contractor's expense, in a manner to ensure safe arrival at the issuing agency, utilizing the same or equivalent container as originally provided.

i. The foregoing requirements are in addition to any requirements placed upon the Contractor by the applicable Government Property clause in Section I of this contract.

(ES6551)

(End of Clause)

**CONTINUATION SHEET****Reference No. of Document Being Continued****Page 4 of 4**

PIIN/SIIN W56HZV-13-R-0282

MOD/AMD 0002

**Name of Offeror or Contractor:**

SECTION J - LIST OF ATTACHMENTS

<u>List of</u> <u>Addenda</u>	<u>Title</u>	<u>Date</u>	<u>Number</u> <u>of Pages</u>	<u>Transmitted By</u>
Attachment 0007	RFP QUESTIONS AND ANSWERS	19-NOV-2013	007	DATA

W56HZV-13-R-0282  
Attachment 0007  
RFP Questions and Answers

The following is a list of Questions from prospective offerors that were submitted the Government for Answers regarding the RFP during the solicitation period. Questions 1 through 6 were submitted to the Government on 18 Oct 2013, and Questions 7 through 25 were submitted to the Government on 04 Nov 2013. Immediately following each question are the corresponding answers from the Government to all 25 questions from industry, made in response to RFP W56HZV-13-R-0282 while the solicitation was on the street for proposals. These questions and answers are affixed to and part of RFP W56HZV-13-R-0282 as Attachment 0007 and are now hereby shared with all potential offerors by Amendment 0002 to the RFP. Prospective offerors are urged to consider the answers provided by the Government to these questions in the development of their respective proposals to the RFP.

Question 1: The 120 DARO for FATR CLIN 0016 is insufficient time to perform the required testing. Considering 15-30 days for QAR + 63 days for solar test per MIL-PRF-32350 Amd3 paragraph 4.3.2.2 leaves 30 days for procurement, production, and balance of the testing required for the test articles. The same units that will undergo the 63 days of solar tests will also require Low temp, Humidity (11 days), accelerated use reliability, maintainability, decontamination and noise. All within the same 120 days. Will the Government agree to allow 150-180 days for testing or, in the alternative, modify the test requirements to remove the 63 day solar test?

Answer 1: The Government agrees that the contract should allow for sufficient time to complete the required FAT testing per MIL-PRF-32350 and will entertain proposed timeframes for the necessary testing to take place. If the Offeror requests 180 days, then the Offeror should submit that request as part of its proposal and the Government will evaluate and consider this request before award and make a determination prior to award that this is a reasonable and acceptable request, all things considered, in conjunction with the Contractors proposal.

Question 2: FAT requires the use of Air Duct with clamp P/N 5-9-11093, NSN: 4720-01-332-8527. Will the government be providing this equipment as GFE or is it contractor responsibility to procure the items? If so can the government provide recommended source?

Answer 2: Please look at paragraph 3.7 of MIL-PRF-32350 with Amendment 3. Under Government loaned equipment, the Government states that the Government will loan up to 3 air ducts with clamps. The solicitation also states that the Government will loan these items as Government Furnished Material (GFM).

Question 3a: FAT/Production lot testing Leakage test per MIL-PRF-32350 Amd 3 Paragraph 3.3.2 is required for 100% of first article and production. The test requires 2 M98 filters per test.  
Will the Government provide the M98 filters as GFE? Or will the contractor be required to procure them? Recommended Supplier?

Answer 3a: Filters were originally not part going to be provided as Government Furnished Material (GFM) in paragraph 3.7 of MIL-PRF-32350. However, with this Amendment 0002 to the RFP, for the M98 Filters, the Government hereby modifies the clause at paragraph E-6 of the RFP, FAR 52.245-4577 entitled GOVERNMENT FURNISHED TEST SUPPORT EQUIPMENT to represent that it will send a qty of 24ea M98 Filters to the Contractor as GFM for the FAT/Production lot testing for the first order. The Government would prefer to ship all 24ea M98 Filters at one time. Subsequent deliveries of the M98 beyond the 24ea units provided as GFM for testing would have to be negotiated on a case-by-case basis. The successful Offeror will not be required to procure the M98 Filters, they will be provided as GFM at no additional cost under the contract.

Question 3b: Since the M98 cant be exposed indefinitely to refrigerant testing, how many tests does the Government recommend performing before the filter needs replacing?

Answer 3b: The contractor shall determine when to replace filters and use this to calculate their FAT/production costs. The contractor is responsible for balancing the cost of using new filters vs the risk of using new filters each time. M98 performance specifications (MIL-PRF-51527 and others) allow the filters to be purged.  
Purge the filter by passing clean air at less than 50% humidity in the reverse direction through the filter at rated flow for 3 minutes. Keep the exposure of the filter to air to a minimum.

The Government does not have a recommendation on the number of times a filter may be used and/or purged. However, if the contractor decides they want to continue to use and purge filters until an FFA fails this test, then they would be allowed to retest the FFA with a new filter as part of the corrective action for that unit failing. If the unit passes with new filters, the unit shall be considered as passing the leakage test.

Question 3c: What procedure does the Government recommend for purging the filters between tests?

Answer 3c: Please see previous answer provided under 3b.

Question 3d: Will the contractor be required to replace gaskets? How many tests can be performed before the filter gaskets need replacement? Who perform the gasket replacement (being GFE filters)?

Answer 3d: The replacement of gaskets would be determined by the contractor.

Question 3e: Because the required test is slow, the cost and availability of test filters and the fact that it is difficult and time consuming to perform the tests efficiently in a production environment. Is the Government amenable to removing the requirement for this testing in production and limit it to first article testing only?

Answer 3e: The Offeror shall propose based on the Technical Data as provided in the solicitation. After a contract has been awarded, the Government may consider a deviation for this test if a suitable alternative is presented.

Question 4: The solicitation requires FAT in the case of a production lapse of 90 days. This is too short of a time for an IDIQ type contract because production will be driven by government requirements which are unknown to the contractor and some lead times for material and components are longer than 90 days. In fact the time lapse between the FAT articles required in the contract between manufacturing the units, test completion and government approval would, in theory, require a new first article to be submitted. (63 days solar + 11 days Humidity +30 days FAT approval = 104 day minimum not accounting for transportation, low temp test, reliability etc.).

Is the Government amenable to extending the time lapse value and making the first article requirement applicable only to only items that could be affected by the time lapse between production runs?

ANSWER 4: This time lapse applies after fat approval and the lapse between orders. So the timeline discussed above does not apply to this issue and the question is not relevant.

Question 5: Is the Government amenable to limiting the solar test in MIL-PRF-32350 Amd3 paragraph 4.3.2.2 procedure I only or to substantially reducing the number of cycles in procedure II? The FFHA will never be operated in a contaminated zone for 56 days, nor is it possible to have a unit in near clogged conditions for 56 days continuously.

Answer 5: The Offeror shall propose based on the Technical Data as provided in the solicitation. After a contract has been awarded, the Government may consider a deviation for this test if a suitable alternative is presented.

Question 6: Section 3.5.8.5 Line Reactor, of the spec requires a line reactor to reduce conducted emissions from the VFD to input power line. Can the contractor eliminate the use of the line reactor if he can demonstrate meeting the conducted emissions requirement in the paragraph without the use of a line reactor?

Answer 6: Yes. This requirement will be removed with a Section C exception, as part of this amendment 0002, and will be published via the original specification link.

Technical:

Questions: (MIL-PRF-32350 w. Amendment 3)

Question 7: Per the performance spec, the FFHA shall have a particulate filter change indicator. Is the change decision made based on just filter service time or air quality? In either case, more details specification will need to be provided.

Answer 7: The change decision will be based on pressure drop and the ability to maintain the airflow required in the specification. This light is described as the Check Systems Restrictions display in paragraph 3.5.8.6.c.

Question 8: A hour meter is mentioned in section 3.1.d.3. Clarification needed for its display, purpose, and function.

Answer 8: Paragraph 3.5.8.4 states The motor control box shall also include an hour meter for displaying cumulative operating hours to assist in reliability monitoring.

Question 9: In section 3.4.7 (dust and sand), it says that "when dust accumulates on particulate filter during extended use, a sensor shall detect increased filter pressure drop, and motor rotational speed shall automatically increase.". Is the sensor mentioned in the paragraph the air flow measurement sensor? Or, does it require two sensors, i.e., an air flow sensor and a sensor to measure the pressure drop?

Answer 9: This decision is up to the offeror. If the performance specification requirements can be met with one sensor, this is acceptable. More than one sensor is also acceptable if this is what is required to meet the requirements of the performance specification.

Question 10: In section 3.4.8 (vibration), it says that "The FFHA, while unstacked or stacked 2-high.". Are the FFHA here in their original packaging or the units are unpacked and then stacked? In the latter case, how the units are secured?

Answer 10: The units are secured unpacked, paragraph 4.3.2.9 states, Vibrate two FFHa units with the top of one units frame secured to the bottom of another units frame\85 It wouldnt be possible to secure the frames to each other if they were packaged. MIL-STD-810 G, method 514.6, paragraph 4.4.1, requires the test items be mounted to the test fixture by means of restraints and/or tie downs dynamically representative of life cycle transportation events. The procedure also assumes no relative motion between the vehicle cargo deck or cargo compartment and the cargo. The contractor shall determine the most appropriate way to restrain the item.

ECBC has updated the Section C to clarify that this test shall be conducted on an unpacked FFHA.

Question 11: Will the part information be provided for the stacking pin in Figure 3?

Answer 11: No, paragraph 3.5.7 states, stackability using bolts or other means of securing the two frames\85. We arent really testing a pin or bolt here, we are testing the unit in regards to a vibration profile.

Question 12: There are two dust ejection ports in Figure 3. Does the ports require protective cover? If not, what is the preferred protection during operation from the precipitation, dust, and sand?

Answer 12: Yes the ports require a protective covers. This will be added to paragraph 3.5.9.3. These covers are only to be used during shipment, handling and storage and are not to be used during operation or test.

The Government has made a Section C exception to the Performance Specification.

Question 13: Does the fan/blower require a removable cover, which will be removed during operation?

Answer 13: No.

Question 14: Section 3.5.8.6.c says that "the system performance will be displayed as "system error", "system operational", "system near capacity", "check system restrictions"". Questions:

Question 14a: Definitions need to be provided for "system error", "system operational", "system near capacity", "check system restrictions".

Answer 14a:

The NEAR CAPACITY indicator illuminates when the power draw of the motor is near the maximum allowed power draw and the fan is operating close to its maximum rpm.

The CHECK SYSTEM FOR RESTRICTIONS indicator will illuminate when operating at maximum fan rpm and power draw and the airflow output remains below 400 CFM. This light shall serve as an indication to check the particulate filter.

The SYSTEM ERROR indicator illuminates when the MCU senses an error in the system indicated by an rpm of the fan which is lower than the standard operating level.

The SYSTEM OPERATIONAL indicator illuminates when the FFHA is operating under normal operating conditions and is not experiencing any of the previous conditions.

The Government has included a section C exception defining these conditions to the Performance Specification.

Question 14b. Is the display here of LED or LCD type?

Answer 14b: This decision is up to the contractor.

Question 14c: Are the above display also required for the local main panel?

Answer 14c: No

Question 14d: Also, from para 3.5.8.6.k, the motor overheat is listed separately. Is motor O/H part of "system error"?

Answer 14d: No, the remote control shall have an indicator light for motor overheat separate from the system performance conditions indicators defined in paragraph 3.5.8.6.c.

Question 15: Section 3.5.8.7.1 specifies that "the FFHA shall draw no greater than 12 amps per phase at 208VAC at 60 Hz." What is the actual power consumption of the existing FFHA unit?

Answer 15: To date, there are no FFHA units that have been built to Government performance specifications as stated in this RFP, so this question is not relevant.

Question 16: Section 3.5.8.7.3 mentions the connector J1 and J2. Where are these two connectors located on the FFHA. Also, where is the J9 (damper control contact) located? Can more detailed specification be provided?

Answer 16: See Figure 4.

Question 17: Section 3.6.4.5 specifies that "All moving parts shall be shielded". Clarification needed for the required shielding.

Answer 17: Shielding may be accomplished by any method which does not allow access to moving parts for safety reasons.

Question 18: Can the army drawing P/N 1234077 mentioned in Section 3.6.9.3 be provided?

Answer 18: Yes, this will be provided via this Amendment 0002 and is viewable by the specification link for this procurement. The Edgewood Chemical & Biological Center has moved this drawing from PDMS to the specification link in Section C.

Question 19: Which tests in figures 7 & table I will be conducted by USG? For the tests conducted by USG, how will the testing cost be captured and covered?

Answer 19: None of the tests are required to be conducted by the Government for this contract. MIL-PRF-32350, AMD 3, removed the requirement that FAT testing shall be conducted by the Government.

The contractor may choose to utilize Government test facilities to conduct testing, however, these facilities would be treated like any other (sub)contractor test facility. The (prime) contractor would be responsible for all costs and enter into their own test service agreements. Recommend the contractor look at Section E of the solicitation.

Question 20: Section 3.3.4 says "the outlet is restricted enough.". Clarification needed for ".restricted enough".

Answer 20: The Government interprets the term restricted enough per paragraph 3.3.4 to mean to create a static pressure of 15iwg measured between the fan and HEPA filter.

Question 21: Section 4.3.2.12 "Battlefield contaminants" only requires COC instead of Exam/test/analysis. Clarification needed.

Answer 21: Analysis would also be an appropriate method of verification. If the Contractor wishes to submit this as part of its proposal, the Contractor will be required to submit an Engineering Change Proposal (ECP) to modify section C and to permanently change the specification.

Question 22: Packaging (section 5 & 6.2): will a more detailed packaging specification be provided during solicitation?

Answer 22: All packaging requirements are defined in the solicitation section D.

Question 23: Section 6.3 (test facilities) requires that the first article test activities should be conducted at an ECBC certified, government owned, government operated, test facility. Can the contracting office provide the USG Lab contact information for us to establish cost budget and schedule?

Answer 23: Section 6 is for notes or general information that may be helpful but is not mandatory. Section 6.3 is still in the specification from when FAT was required by the Government. The lab information could be helpful if a contractor wanted the Government to conduct certain tests. However, bottom line is that section 6 is not mandatory and no Government FAT testing is required. Recommend the contractor look at Section E of the solicitation.

The Government has written a Section C exception to delete paragraph 6.3.

Question 24: Section 3.5.8.6.g and 3.6.3.4 specifies the interchangeability requirements for the remote control and spare parts. Does this interchangeability requirement apply to the unit from one particular contractor or to the units from different manufacturers? In the latter case, more detailed interfacing information is required.

Answer 24: All remote control units shall be interchangeable across all FFHA units delivered under the contract by the contractor. The configuration of the remote shall also remain the same for the duration of the contract unless other approval is received by the Government. The remote controls do not have to be interchangeable with FFHAs delivered under other contracts.

Contractual:

Question 25: Please confirm the request to extend the FAT from 120 to 150 days, ARO.

Answer 25: See answer to question 1 above.

(end of questions)