

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Firm-Fixed-Price

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2. Amendment/Modification No. 0011	3. Effective Date 2012NOV07	4. Requisition/Purchase Req No. SEE SCHEDULE	5. Project No. (If applicable)
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6. Issued By U.S. ARMY CONTRACTING COMMAND CHARLES SCOTT WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: CHARLES.SCOTT16@US.ARMY.MIL	Code W56HZV	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"/>	9A. Amendment Of Solicitation No. W56HZV-12-R-0281
		9B. Dated (See Item 11) 2012AUG20
	<input type="checkbox"/>	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 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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SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name: CHARLES SCOTT
Buyer Office Symbol/Telephone Number: CCTA-HTB-C/(586)282-3523

End of Narrative A0000.

Name of Offeror or Contractor:

SECTION A - SUPPLEMENTAL INFORMATION

The purpose of Amendment 0011 is to make the following changes (all text changes are followed by a single asterik, unless located within a CLIN):

1. Section C:

1) Add the following paragraph: C.1.2.7 Maximum Overall Width The trailer configuration with the proposed ABS integration must maintain an overall maximum width of 90.9 inches.

2) Add the following paragraph: C.1.2.8. Track Width. The trailer configuration with the proposed ABS integration must maintain a track width of 79.3 +/- 1.0 inches measured from tire centerline to tire centerline.

2. Section J, Attachment 0011 - TECHNICAL INFORMATION QUESTIONNAIRE (TIQ), M200A1 Antilock Brake System, Subparagraph D (ANTILOCK BRAKE SYSTEM INTEGRATION):

1) Question 8:

Change From: Does the mounting design of the individual speed sensors and module address vibration?

Change To: Reserved

2) Question 11:

Change From: Does the diagnostic capability without special tools include the capability to detect a problem in the following items: each wheel speed sensor, module, modulator?

Change To: Does the diagnostic capability without special tools include the capability to detect a problem in the following items: each wheel speed sensor, module, modulator in accordance with section C.1.2.1 of the solicitation?

3) Question 13:

Change From: Is the ABS system compatible with DOT 3/ DOT 4/ DOT5/ DOT 5.1 fluids?

Change To: Reserved

4) Update the Attachment 0011 (TIQ) date from 24 Oct 12 to 7 Nov 12.

3. Note (Clarification ONLY): The amendments to the TIQ described in paragraph 2, were made for clarity or administrative convenience. Offerors need not delete information addressing TIQ Questions eliminated under this amendment from their proposals.

4. Offerors must acknowledge receipt of this Amendment Number 0011 in its proposals in accordance with Solicitation Provision A-3 52.214-4000, entitled "Acknowledgement of Amendments."

*** END OF NARRATIVE A0012 ***

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SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

C.1 General. The Contractor, as an independent Contractor and not as an agent or employee of the Government, shall deliver the M200A1 to the Government, which fully complies with the requirements of Attachments 0001 (MIL-DTL-45150M(AT)), 0002 (the Technical Data Package (TDP)), and Attachments 0003 (DWG 04-21234, AMMPS), 0004 (DWG 12369000 Vehicle Paint Pattern), 0005 (DWG 04-21516 CAMOFLAGE PAINT PATTERN) and Attachment 0010 (UID DATA PLATE REQUIREMENT 12331752).

The M200A1 trailer models are:

(1) Base M200A1 Trailer, Chassis, 2.5 ton Single Axle Chassis Trailer, NSN 2330-00-331-2307, part number 8358998, Revision AF (reference drawing at Attachment 0002).

(2) Advanced Medium Mobile Powered Sources (AMMPS) M200A1 Trailer Chassis NSN 2330-01-592-3233, part number 04-21234 (reference drawing at Attachment 0003) for the integration of the Army generators (15, 30 and 60 kilowatt).

The contractor shall apply the following changes to the M200A1 chassis with AMMPS integration kits:

(1) Use the 1/4 -20 UNC x 1/2 inch long bolts, MS35206-279, in place of MS35206-281, to mount the rear reflectors to avoid interference with the taillight housing.

(2) In lieu of hose assembly and cap use Master Cylinder cap PN 1233725-1\~which\~includes O-ring NAS 1611-123. The following parts are deleted: hose PN 8365425, clamp MS 35842-11, tube 8365426, cap 7979691, and O-ring MS 29561-114.\~-\~

C.1.1 Reserved.

C.1.2 The trailer axle shall be equipped with an anti-lock brake systems (ABS) that complies with Federal Motor Vehicle Safety Standards (FMVSS) No. 121 (49 CFR 571.121). FMVSS can be obtained at the following website: [://www.gpo.gov/fdsys/pkg/CFR-2010-title49-vol6/pdf/CFR-2010-title49-vol6-sec571-121.pdf](http://www.gpo.gov/fdsys/pkg/CFR-2010-title49-vol6/pdf/CFR-2010-title49-vol6-sec571-121.pdf)

In addition to the FMVSS requirements, the Trailer ABS shall include logic and sensors to address uphill and downhill, low coefficient of friction conditions, such that the trailer ABS will automatically turn off when the truck-trailer combination are in this situation to ensure the trailer brakes apply to prevent run-away.

C.1.2.1 Anti-Lock Braking System (ABS). The operating voltage of the ABS shall be a minimum of 12 V DC and a maximum of 24 V DC. Use of a voltage converter box to meet the 24 V DC operation requirement is acceptable. ABS, shall meet current industry and 49CFR571.121 requirements and provide Power Line Carrier (PLC) communication of ABS malfunction to the prime mover cab. The PLC architecture shall be compliant with SAE J2497. The ABS Electronic Control Unit (ECU) shall include wiring provisions to transmit the trailer (cable, SAE J2394) ABS malfunction signal to the prime mover cab. A diagnostic warning blink light shall be mounted on an angle at the left side front of the trailer and shall be in view of truck operator. The diagnostic warning blink light shall provide diagnostics fault isolation capability sufficient to identify critical failures without use of an off board switch. The diagnostic capability, without special tools, shall include the capability to detect a problem in the following items: each wheel speed sensor, module and modulator. The ABS system and voltage converter shall be water proof to road splash/spray and shall be capable of withstanding complete immersion during fording depth of 60 inches.

C.1.2.2 The integrated ABS design shall not change the overall vehicle dimensions of the M200A1 trailer configurations listed in C.1(1) and C.1(2) when built to TDP 8358998 Revision AF.

C.1.2.3 The integrated ABS design shall not degrade any of the overall vehicle performance requirements of the M200A1 trailer, as defined in MIL-DTL-45150M (Attachment 0001) when built to the TDP 8358998 Revision AF.

C.1.2.4 The ABS system shall only require the use of current Army tools, as referenced in TM 9-2330-205-14&P, Attachment 0007.

C.1.2.5 ABS Integration Drawings. The Contractor shall prepare new and red-line marked up drawings as part of the TDP 8358998 to accurately describe the ABS integration (C.1.2) in a from-to condition. The Contractor shall utilize commercial standards ASME Y14.100-2004, ASME Y14.24, ASME Y14.34, ASME Y14.35, and ASME Y14.5-2009 for guidance in revising drawings. The Contractor shall also utilize standards ASME Y14.100-2004, ASME Y14.24, ASME Y14.34, ASME Y14.35, and ASME Y14.5-2009 for creating new drawings to incorporate the ABS integration into the Governments TDP. The drawings shall be provided to the Government with unlimited rights per DFARS 252.227-7013 and 252.227-7015. New and redlined drawings shall be submitted in accordance with CDRL A005.

C.1.2.6 Bill of Materials. The Offeror shall provide a bill of materials for the proposed Antilock Brake System (ABS) containing all manufacturer, industrial specification, and military specification part numbers in accordance with CDRL A014.

*C.1.2.7 Maximum Overall Width. The trailer configuration with the proposed ABS integration must maintain an overall maximum width of 90.9 inches.

*C.1.2.8. Track Width. The trailer configuration with the proposed ABS integration must maintain a track width of 79.3 +/- 1.0 inches measured from tire centerline to tire centerline.

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C.1.3 Fasteners. All fasteners with Military Standard (MS) part numbers shall be free of Cadmium Plating. Other equivalent corrosion preventive methods may be used for MS fasteners with prior approval from the Government through the Request for Deviation process as specified below in Section C.2.

C.1.4 Paint. Trailers shall be painted Green 383 or Tan 686 in accordance with Trailer TDP paint drawing number 12369000 (Attachment 0004), or Standard Camouflage in accordance with Trailer TDP paint drawing number 12369000 (Attachment 0004) and camouflage paint pattern drawing number 04-21516, Attachment 0005. Required paint color(s) will be identified in each individual delivery order.

C.1.5 Electronic Data Delivery. Data requirements specified herein shall be delivered in an electronic format. The file format and delivery method will be dependent upon the file type and size. The files shall be MS Windows Vista and MS Office 2007 software compatible. Available methods of delivery are: electronic mail, file transfer protocol, CD-ROM.

C.1.6 Unique Item Identification (UID). The contractor shall mark each trailer with UID in accordance with requirement set forth in section F, clause 252.211-7003. (See sample UID drawing 12331752 at Attachment 0010.)

C.1.7 Changes to the trailer configuration to correct test deficiencies caused by contractors nonconformance to the TDP shall be incorporated in all production trailers at no additional cost to the Government.

C.2 Configuration Management

C.2.1 Engineering Changes. The Contractor shall submit for Government approval Engineering Change Proposals (ECPs) and Value Engineering Change Proposals (VECP), in accordance with CDRL A001 and Request for Deviations (RFDs) in accordance with CDRL A002. ECPs shall be prepared in accordance with Attachment 0006. The Contractor shall not incorporate any changes to the production configuration which have not been reviewed and approved by the Government Configuration Control Board and incorporated into the contract by the Procurement Contracting Officer.

C.2.2 Engineering Change Proposal (ECP) Definitions.

Class I ECP: Engineering Change Proposals that affect the end item by any of the following: form, fit, function, cost, logistics, performance, reliability, maintainability, or delivery schedules.

Class II ECP: Class II Engineering Change Proposals have no affect on any of the factors listed in the above Class I ECP definition.

C.2.2.1 Class I ECP Changes-Contractor Requested.

The contractor shall submit copies of proposed Class I ECP changes per DI-CMAN-80639, CDRL A001, immediately upon determination of a need for such changes.

C.2.2.2 Class I (ECPs)- Government Directed.

In the event the Government requests a change to the end item configuration, the PCO will request, in writing, a technical and price proposal from the contractor. Within 10 business days of request, the contractor shall notify the PCO of the ECP submittal date.

C.2.2.3 Class II (ECPs) Contractor Requested. The contractor may make Class II changes contingent upon classification concurrence by the Government. Class II changes will be reviewed for proper classification by the PCOs designated Government representatives. Authority may be granted to the onsite DCMA representative to approve Class II ECPs at the PCOs discretion. If during CCB review, the Government representative determines that a proposed Class II ECP is actually a Class I, the contractor shall prepare and submit a Class I ECP in accordance with C.2.2.1.

C.3 System Safety.

C.3.1 Safety Assessment. The Contractor shall prepare and submit a Safety Assessment Report (SAR), which shall identify all safety features of the hardware, software, system design and inherent hazards IAW CDRL A003, DI-SAFT 80102B. The SAR shall establish special procedures and precautions to be observed by the Government test agencies and system users.

C.3.2 Health Hazard Assessment (HHA). The Contractor shall prepare a Health Hazard Assessment Report (HHA). The HHA report shall be provided with the Safety Assessment Report, per CDRL A003, DI-SAFT-80106B.

C.4 Meetings and Reviews.

C.4.1 The Contractor and the Government will hold semi-annual meetings, and reviews at the contractors facility during the performance period of this contract. The objectives of these meetings are to review progress and to provide guidance on technical, product assurance and contractual issues. Common agendas shall be agreed upon by the participants prior to all meetings and reviews. Minutes shall be submitted in accordance with CDRL A004.

C.4.2 A Start of Work meeting shall be held at the Contractors facility within twenty (20) business days after contract award. The actual date of the meeting will be coordinated with the Procurement Contracting Officer (PCO) or the Contract Specialist. The purpose of the meeting is to review all matters relating to contract terms and conditions, delivery requirements, program management engineering

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and quality assurance. Minutes of the meeting shall be submitted in accordance with CDRL A004.

C.4.3. Provisioning Conference: Contractor shall provide support for two (2) provisioning conferences in accordance with CDRL A011. Provisioning conferences shall consist of validating contractor submitted part changes per section C.5.1.2. Provisioning conferences shall be up to one week in duration as required, and shall be held at the contractors facility. The Contractor shall prepare and distribute minutes of the provisioning conferences in accordance with CDRL A004.

C.4.4 Production Database. The contractor shall maintain a database (CDRL A013) that will track and sort vehicles by serial numbers, build and ship dates, CLIN, vehicle model number, ship to location, document number, and DD250 and Commercial Bill of Lading (CBL numbers. In addition, the database shall track per vehicle, all engineering changes incorporated according to ECP, VECF and/or RFD Number. Any applicable engineering notes may also be included in the database. This database shall be updated and submitted to the Government electronically every two weeks. The database shall be kept current as vehicles are shipped. The Contractor shall maintain the database for a period of four (4) years following completion of the Contract.

C.5 Logistics Management Information (LMI) ABS Data Products.

C.5.1 Logistics Management Information (LMI) ABS Data. LMI Data is defined as ABS specific technical information required to safely operate, maintain, and support the ABS system within the expected life-cycle of the equipment. The Contractor shall provide LMI Summaries in accordance with CDRL A012.

C.5.1.1 Logistics Management Information (LMI) Maintenance. The contractor shall conduct an analysis of operation and maintenance for ABS assembly and spare parts and identify specific Army tools specified in TM 9-2330-205-14&P required to define optimal maintenance support for ABS. The contractor shall provide a bill of material for the ABS IAW CDRL A014. The following areas shall receive increased analysis, review, and focus, as they are critical in achieving projected Operation and Support cost savings:

- (1) Preventive Maintenance Checks and Services (PMCS)
- (2) Repair Parts and Special Tools List (RPSTL)

C.5.1.2. Provisioning: In the event of an engineering change (e.g. ECP, RFD) or a change in vendor information, the Contractor shall provide the following information to the Government to support the parts provisioning effort (CDRL A011):

- (1) Drawings or catalog pages for new or changed contractor spare or repair parts
- (2) Part Number and Cage
- (3) Estimated Unit Price
- (4) Quantity per assembly
- (5) When required, the provisioning information as described in C.5 shall be provided in accordance with CDRL A011.

C.6 Welding requirements. All steel weldments shall meet the design and fabrication requirements in AWS D1.1/D1.1M. All welding equipment used in building the items described herein shall be certified and all welders and operators shall have passed qualification testing as prescribed in the applicable qualification standards established by the AWS\~D1.1/D1.1M.

C.7. Equipment Preservation Data Sheet. The contractor shall for the M200A1 trailer equipped with the Advanced Medium Mobile Powered Sources (AMMPS) kit, develop and submit Shipment and Storage instructions processing as described in MIL-STD-3003, addressing temporary outside storage of up to 90 days with no exercising or maintenance being conducted.

* - Indicates a change made under Amendment 0011

*** END OF NARRATIVE C0001 ***

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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 0011	* M200A1 TECHNICAL INFORMATION QUESTIONNAIRE (TIQ)	07-NOV-2012	004	

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Exhibits and Attachments can be viewed at <http://contracting.tacom.army.mil/majorsys/m200a1/m200a1.htm>