

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Cost-Plus-Fixed-Fee

Page 1 Of 13

2. Amendment/Modification No. P00009	3. Effective Date 2013FEB14	4. Requisition/Purchase Req No. SEE SCHEDULE	5. Project No. (If applicable)
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6. Issued By U.S. ARMY CONTRACTING COMMAND MICHAEL CIACIUCH WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: MICHAEL.CIACIUCH@US.ARMY.MIL	Code W56HZV	7. Administered By (If other than Item 6) DCMA CHICAGO 1523 WEST CENTRAL ROAD BLDG 203 ARLINGTON HEIGHTS IL 60005-2451	Code S1403A
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8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code) ADVANCED ENGINES DEVELOPMENT CORPORATION 4338 WEST MONARCH PLACE MILWAUKEE, WI 53208-3126	<input type="checkbox"/>	9A. Amendment Of Solicitation No.
	<input type="checkbox"/>	9B. Dated (See Item 11)
	<input checked="" type="checkbox"/>	10A. Modification Of Contract/Order No. W56HZV-08-C-0298
	<input type="checkbox"/>	10B. Dated (See Item 13) 2008MAR03
Code O5W83	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 _____ 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)

ACRN: AC NET INCREASE: \$849,861.00

**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 checked="" type="checkbox"/>	C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of:	Mutual Agreement of the Parties
<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) JOHN M. HOPFNER JOHN.HOPFNER@US.ARMY.MIL (586)282-7359		
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 2013FEB14

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

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PIIN/SIIN W56HZV-08-C-0298

MOD/AMD P00009

Name of Offeror or Contractor: ADVANCED ENGINES DEVELOPMENT CORPORATION

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name: MICHAEL CIACIUCH
Buyer Office Symbol/Telephone Number: CCTA-ASG-B/(586)282-9630
Type of Business: Other Small Business Performing in U.S.
Surveillance Criticality Designator: C
Weapon System: No Identified Army Weapons Systems
Contract Expiration Date: 2014AUG31
Kind of Modification: Supplemental Agreement

*** End of Narrative A0000 ***

PURPOSE OF THIS MODIFICATION: Incorporation of FY2013 Phase III SBIR (PM-LTV) Scope of Work and funding.

PRIOR CONTRACT AMOUNT: \$1,245,549.00 (\$1,164,065.00 Cost plus \$81,484.00 Fixed Fee)
AMOUNT OF THIS ACTION: \$ 849,861.00 (\$794,263.00 Cost plus \$55,598.00 Fixed Fee)
CURRENT CONTRACT VALUE: \$2,095,410.00 (\$1,958,328.00 Cost plus \$137,082.00 Fixed Fee)

1. The purpose of this bilateral Modification P00009 is to add Scope/Statement of Work (SOW) and other items needed in order to incorporate FY2013 Phase III SBIR PM-LTV work requirements into current Phase II SBIR Contract W56HZV-08-C-0298. The contractual period of performance is also extended through 31 August 2014 (approximately 18 months after the award date of this Modification) as a result.
2. The Contract is hereby modified as follows:
 - a. Section B (Supplies or Services and Prices/Costs): CLIN 0001 has been updated, and SubCLIN 000103 has been added, to reflect the additional funding obligated as a result of incorporating this SBIR Phase III work effort. Further, Paragraphs B.3.2 and B.4 are each revised, and new Paragraph B.6 is also added.
 - b. Section C (Description/Specifications/Work Statement): Phase III SBIR (PM-LTV) Scope/Statement of Work (beginning with C.15) is added to the existing contractual requirements.
 - c. Section F (Deliveries or Performance): Section F.1.1 has been revised in order to account for the extension of the contractual period of performance applicable as a result of adding this Phase III SBIR work effort to the existing SBIR Phase II Contract.
 - d. Section G (Contract Administration Data) is updated to reflect the addition of SubCLIN 000103.
 - e. Section H (Special Contract Requirements) is updated to show the addition of Provision/Paragraph H.3, Option for Contractor Support During Government Testing (Phase III PM-LTV).
 - f. Section J (List of Attachments): various portions of the Contract Data Requirements List (CDRL), Exhibit A, have been changed as needed in order to incorporate this new work effort. Attachment 0007 (Memorandum of Agreement for Government-Furnished Property/GFP) is also added to Section J with the issuance of this Modification.
3. Due to all of the foregoing, various changes to a number of Contract Sections have been made, and a copy of each revised section is included as part of this Modification, with the revisions/changes made indicated by underlining (except for Section C, which is not underlined due to it all being entirely new information).
4. As a result of this Modification, the total obligated amount of this Contract is hereby increased by \$849,861.00, FROM: \$1,245,549.00 TO: \$2,095,410.00.
5. Except as provided herein, all other terms and conditions of Contract W56HZV-08-C-0298 remain unchanged, and in full force and effect.

*** END OF NARRATIVE A0007 ***

CONTINUATION SHEET

Reference No. of Document Being Continued
 PIIN/SIIN W56HZV-08-C-0298 MOD/AMD P00009

Name of Offeror or Contractor: ADVANCED ENGINES DEVELOPMENT CORPORATION

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT									
	<p>SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS</p> <p><u>SERVICES LINE ITEM</u></p> <p>GENERIC NAME DESCRIPTION: SERVICES LINE ITEM PSC: AC41</p> <p>The Contractor shall furnish all of the necessary supplies and services needed in order to accomplish all of the tasks specified in Section C, Scope of Work (SOW)</p> <p>Estimated Cost: \$1,958,328.00 Fixed Fee: \$ 137,082.00 Total Amount: \$2,095,410.00</p> <p>(as revised through Modification P00009, which added FY2013 Phase III SBIR work effort requirements for PM-LTV)</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p><u>Deliveries or Performance</u></p> <table border="0"> <tr> <td>DLVR SCH</td> <td></td> <td>PERF COMPL</td> </tr> <tr> <td><u>REL CD</u></td> <td><u>QUANTITY</u></td> <td><u>DATE</u></td> </tr> <tr> <td>001</td> <td>1</td> <td>31-AUG-2014</td> </tr> </table> <p>\$ 2,095,410.00</p>	DLVR SCH		PERF COMPL	<u>REL CD</u>	<u>QUANTITY</u>	<u>DATE</u>	001	1	31-AUG-2014	1	LO		\$ 2,095,410.00
DLVR SCH		PERF COMPL												
<u>REL CD</u>	<u>QUANTITY</u>	<u>DATE</u>												
001	1	31-AUG-2014												
000101	<p><u>SERVICES LINE ITEM</u></p> <p>PRON: R382C086R3 PRON AMD: 02 ACRN: AA AMS CD: 665502M4000</p> <p>***SBIR PHASE II BASE WORK EFFORT***</p> <p>(End of narrative B001)</p> <p>(AMOUNT: \$ 729,898.00)</p>													
000102	<p><u>SERVICES LINE ITEM</u></p> <p>PRON: R312C209R3 PRON AMD: 01 ACRN: AB AMS CD: 665502M4000</p> <p>***SBIR PHASE II ENHANCEMENT WORK***</p>													

CONTINUATION SHEET

Reference No. of Document Being Continued
 PIIN/SIIN W56HZV-08-C-0298 MOD/AMD P00009

Name of Offeror or Contractor: ADVANCED ENGINES DEVELOPMENT CORPORATION

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000103	<p>(End of narrative B001)</p> <p>(AMOUNT: \$ 515,651.00)</p> <p><u>SERVICES LINE ITEM</u></p> <p>PRON: E122A957JZ PRON AMD: 01 ACRN: AC</p> <p>***PM-LTV PHASE III WORK EFFORT***</p> <p>(End of narrative B001)</p> <p>(AMOUNT: \$ 849,861.00)</p>				

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

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PIIN/SIIN W56HZV-08-C-0298

MOD/AMD P00009

Name of Offeror or Contractor: ADVANCED ENGINES DEVELOPMENT CORPORATION

B.1 ESTIMATED COST AND PAYMENT

B.1.1 The Estimated Cost for performance of the work required under this Contract is stated in Section B under CLIN 0001, which shall constitute the estimated cost for the purpose of the Contract Clause hereof entitled "LIMITATION OF FUNDS", FAR 52.232-22.

B.1.2 The Contractor will be paid for the fixed fee stated in Section B under CLIN 0001 for the performance of work under the Contract and in accordance with the terms of the Contract Clause entitled "FIXED FEE", FAR 52.216-8. The fixed fee together with the reimbursement of cost shall constitute full and complete consideration for the Contractor's service in connection with the work required and performed under this Contract.

B.1.3 Allowable cost shall be determined, and payment thereof shall be provided, in accordance with the Contract Clause hereof entitled "ALLOWABLE COST AND PAYMENT", FAR 52.216-7.

B.2 PAYMENT. The Contractor may submit public vouchers monthly for payment under this Contract. The fee will be payable at the time of reimbursement of cost at the same rate to such cost as the total fee of this Contract bears to the total estimated cost thereof, subject to any withholding pursuant to provisions of this Contract.

B.3 FUNDING

B.3.1 The Government shall provide funds under this Contract covering the estimated cost and fee hereof on an incremental basis as provided for in the following funding schedule and pursuant to the Contract Clause entitled "LIMITATION OF FUNDS", FAR 52.232-22. It is estimated that the incremental amounts are sufficient for the performance of work in each of the cited time periods. The Government may, at its' discretion, allot such funds on an incremental basis within each fiscal year. The Contractor shall so plan and execute the work required by this Contract so as to expend and/or commit funds compatible with the schedule set forth below. Whenever the Contractor has reason to believe that the funds allotted to this Contract for any fiscal year are either insufficient or excessive for the performance of work required in that fiscal year, the Government shall be so notified.

B.3.2 FUNDING SCHEDULE:

Performance Period	Amount
Base/initial Phase II SBIR Contract Award (3 March 2008):	\$333,799.00
Modification P00001 (Incremental Funding - 2 July 2008):	\$396,099.00
Modification P00008 (Enhancement - April 2012):	\$515,651.00
<u>Modification P00009 (Phase III PM-LTV - February 2013):</u>	<u>\$849,861.00</u>
TOTAL:	\$2,095,410.00

B.4 FUNDS ALLOTTED. The amount of funds currently allotted to this Contract is \$2,095,410.00 (FULLY FUNDED).

B.5 OPTION FOR CONTRACTOR SUPPORT DURING GOVERNMENT TESTING (ENHANCEMENT). If this Option is exercised (reference C.13 and H.2), a Sub-CLIN in the amount of \$38,678.00 (comprised of \$36,148.00 in estimated costs plus a fixed fee of \$2,530.00) will be established in order for the Contractor to receive payment for performing the required Option work.

B.6 OPTION FOR CONTRACTOR SUPPORT DURING GOVERNMENT TESTING (PHASE III PM-LTV). If any portion of this Option is exercised (reference C.16.2 and H.3), a Sub-CLIN for the corresponding amount from H.3 will be established in order for the Contractor to receive payment for performing the required Option work.

*** END OF NARRATIVE B0001 ***

Name of Offeror or Contractor: ADVANCED ENGINES DEVELOPMENT CORPORATION

SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

C.15 INTRODUCTION/OVERVIEW - FY2013 SBIR PHASE III (PM-LTV) WORK EFFORT REQUIREMENTS (MODIFICATION P00009) BEGIN HERE

C.15.1 The Contractor, acting as an independent contractor and not as an agent of the Government, shall provide all of the necessary facilities, materials, personnel, equipment, and services to continue their development work and further build upon the successful Phase I (under Contract W56HZV-07-C-0081) and both Phase II and Phase II Enhancement Program efforts of SBIR Phase II Contract W56HZV-08-C-0298. Contract Modification P00009 incorporates the following additional SBIR Phase III PM-LTV work effort requirements for the higher horsepower motor developed by the Contractor, which is designed for a specific vehicle platform, the M1151 Enhanced Armament Carrier.

C.15.2 The objective of this Phase III effort is for the Contractor to apply the present level of technological development achieved with the higher output (250-270 horsepower) engine model platform and fit-test it in order to ensure that the 250/270 HP Hawk V-8 Max Performance engine fits into the current engine compartment space available in an M1151 Enhanced Armament Carrier HMMWV. As part of this effort, the Contractor shall (i) verify that all engine connection points are compatible, (ii) conduct the necessary testing needed for this custom engine design, and (iii) construct and deliver three prototype high-output engines to the Government for additional testing. Further, if the Contracting Officer exercises the Option added to the Contract by Modification P00009, the Contractor shall also provide the services outlined in C.16.2 of this Statement of Work, to support the Government's testing of the prototype engines.

C.16 PROJECT REQUIREMENTS

C.16.1 The Contractor shall take the current level of design for the higher 250-270 horsepower/HP version of the HP Hawk V-8 Max Performance Upgrade Kit Prototype Engine Demonstrator, as achieved through the FY2012 Enhancement work effort added by Modification P00008 in April 2012 (reference SOW Sections C.9 through C.14) and, using the same GM-designed architecture of the 6.5L 2HT production HMMWV engine (with integrated COTS components needed to meet and maintain the stated performance goals and strengthen the base engine components in order to be able to withstand the increased pressure and stress generated by the higher HPs and torque), build three additional higher-HP prototype engines based off this same engine configuration, and then further develop each individually as detailed in C.16.1.2 through C.16.1.4 in order to incorporate additional PM-LTV requirements for installation and use on the M1151 vehicle platform. These prototype engines shall be denominated Engines Number One, Two, and Three.

C.16.1.1 Prior to commencing with any Phase III work to further the engine design level achieved through the Enhancement development effort, the Contractor shall, at their facilities, conduct a 50 hour NATO Endurance Test on an available "on hand" engine previously built in accordance with (IAW) SBIR Phase II Enhancement specification requirements, to determine if an "out of the box" engine meets Phase III durability requirements. The Contractor shall advise the COR of these Test results as soon as possible, but in no case later than three calendar days after they are confirmed, in order for the COR to review the results and concur or nonconcur with the Contractor's beginning construction of the Phase III PM-LTV engines cited in C.16.1.2 through C.16.1.4. The Contractor shall also include this information and testing results with the submission of a Test Report (ref. Contract Section J, Exhibit A, Contract Data Requirements List/CDRL Data Item A004).

C.16.1.2 ENGINE NUMBER ONE. Once the COR has agreed that durability testing has successfully been completed and has advised the Contractor accordingly, the Contractor shall then proceed with the building of Prototype Engine Number One, which shall be constructed IAW SBIR Phase II Enhancement design criteria.

C.16.1.2.1 Break-In. After Engine Number One has been built, and prior to commencing with any fit-testing work, the Contractor shall perform a 40 minute "break-in run" of Engine Number One, beginning at idle speed and then at an escalating speed until reaching the engine's top-rated speed. The Contractor shall also dynamometer ("dyno") test the engine's performance. Once these tasks have been done and the prototype has been "broken in", the Contractor shall inspect the engine as necessary to identify any problems, and then make any repairs or adjustments as determined to be needed in order to correct the problem(s) and ensure that Engine Number One operates properly.

C.16.1.2.2 The Contractor shall, at their chosen facility, then commence with fit-testing work in order to verify that Engine Number One can be installed in a turbocharged M1151 HMMWV (Humvee) without any further modifications to the vehicle, engine compartment, or existing fluid reservoir capacities. This Humvee will be provided to the Contractor as Government-Furnished Property/GFP (ref. C.19 and H.1.3). Integration of Engine Number One to the vehicle platform includes connecting all fluid and electrical lines, the transmission, and securing the engine to the frame. Once fit has been verified by the Contractor and installed in the GFP vehicle, the Contractor shall conduct a dyno test on the vehicle's chassis, and the COR will then inspect the vehicle in order to verify proper fit of the engine and verify that installation occurred without needing any additional modification(s) to the vehicle. IAW the requirements of CDRL Data Item A004, the Contractor shall subsequently prepare and provide/deliver to the COR a Test Report that includes the findings of the installation/integration process established with the development of Engine Number One.

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C.16.1.2.2.1 If Engine Number One does not fit within the GFP vehicle's available engine space compartment, or if there is any interference encountered in the installation process, the Contractor shall promptly notify the COR of this information and provide a detailed report of the modifications determined to be necessary in order to properly install and integrate the engine into the vehicle. The Contractor shall include all of the details of this development and the need for any modifications in their Final Scientific and Technical Report (ref. CDRL Data Item A003).

C.16.1.2.3 Upon COR concurrence and approval of the data contained in the reports described above, the Contractor shall remove Engine Number One from the GFP vehicle and re-install the vehicle's original engine, making all needed re-connections in order to restore the GFP vehicle to its original configuration.

C.16.1.2.4 The Contractor shall then deliver Engine Number One IAW the requirements of C.18.2, and it will be considered to be a "new build"; i.e., never having been tested other than running for operational adjustments.

C.16.1.2.5 The GFP vehicle, restored to its original state, shall then be shipped back to the Government, in accordance with instructions to be provided by the COR prior to the shipment date. The Contractor shall not make any modifications to this vehicle unless they are reviewed and authorized in advance by the COR.\~

C.16.1.3 ENGINE NUMBER TWO. Taking into account any resulting vehicle fit and 50 hour NATO Test changes from Engine Number One into a revised Phase III PM-LTV design, the Contractor shall then build Prototype Engine Number Two based on this updated and revised design criteria (if applicable), and:

C.16.1.3.1 Break-In. Prior to commencing with any endurance testing for Engine Number Two (ref. C.16.1.3.2 and C.16.1.3.3), the Contractor shall first perform a 40 minute "break-in run" of Engine Number Two, beginning at idle speed and then at an escalating speed until reaching the engine's top-rated speed. The Contractor shall also perform dyno testing of the engine's performance. Once this prototype has been "broken in", the Contractor shall inspect the engine as necessary to identify any problems, and then make any repairs or adjustments as determined to be needed in order to correct the problem(s) and ensure that the engine operates properly.

C.16.1.3.2 Endurance Testing (DF-2). The Contractor shall then perform a 50 hour NATO Endurance Test on Engine Number Two, using DF-2 Fuel, at their chosen facility. During testing, the Contractor shall monitor the engine, record engine performance data during testing, and subsequently deliver a Test Report to the COR IAW CDRL Data Item A004.

C.16.1.3.2.1 After the completion of DF-2 endurance testing, the Contractor shall tear down, inspect, clean and rebuild Engine Number Two, recording the results in the Test Report (ref. C.16.1.3.2), and identifying any abnormalities found.

C.16.1.3.3 Endurance Testing (JP-8). Once Engine Number Two has been rebuilt after DF-2 testing, the Contractor shall then perform another 50 hour NATO Endurance Test on the same engine, this time using JP-8 Fuel, again at a facility of their choosing. The Contractor shall monitor the engine during testing, recording engine performance data during testing, and later deliver to the COR a separate Test Report IAW the requirements cited in CDRL DATA Item A004.

C.16.1.3.3.1 Upon completing JP-8 endurance testing, the Contractor shall tear down, inspect, clean and rebuild Engine Number Two, and record the results in the Test Report (ref. C.16.1.3.3), and identifying any abnormalities found.

C.16.1.3.4 After all Endurance Testing is concluded, the Contractor shall deliver Engine Number Two to the COR IAW the requirements of C.18.2, and this motor will also be considered a "new build" (as previously described in C.16.1.2.4).

C.16.1.4 ENGINE NUMBER THREE. Taking into account any additional design changes resulting from the building of Engine Number Two into a further-revised Phase III PM-LTV design, the Contractor shall then build Prototype Engine Number Three based on this updated and revised design criteria (if applicable), and:

C.16.1.4.1 Break-In. Once Engine Number Three has been built, the Contractor shall perform a 40 minute "break-in run" of this third prototype motor, beginning at idle speed and then at an escalating speed until reaching the engine's top-rated speed. The Contractor shall also perform dyno testing of the engine's performance. Once this prototype has been "broken in", the Contractor shall inspect the engine as necessary to identify any problems, and then make any repairs or adjustments as determined to be needed in order to correct the problem(s) and ensure that the engine operates properly.

C.16.1.4.2 After the third prototype engine has been broken in and dyno tested, IAW the requirements of C.18.2, the Contractor shall deliver Engine Number Three to the COR (also, ref. C.16.1.2.4 and C.16.1.3.4).

C.16.2 OPTION - SUPPORT FOR GOVERNMENT TESTING. If the Contracting Officer exercises the Option for this Phase III SBIR effort (ref. Section H/Provision H.3), the Contractor shall provide:

C.16.2.1 An on-site Test Engineer during the Government/TARDEC 400 hour test, for a total of eight 50 hour weeks. The Test Engineer shall assist in test setup, perform necessary maintenance checks during testing, and also make any adjustments to the engine during testing as needed.

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C.16.2.2 An on-Site Senior Technician during the Government/TARDEC 400 hour test, for a total of eight 50 hour weeks, who shall provide testing oversight to ensure that the engine is conforming to the predefined requirements. If the Option for each of the personnel cited in C.16.2.1 and C.16.2.2 is exercised, the Senior Technician shall also work in conjunction with the Test Engineer to calculate any adjustments needed in order to ensure that all test procedures are successfully conducted.

C.16.2.3 The Option requirements cited in C.16.2.1 and C.16.2.2 immediately above may be exercised together or individually. It is solely at the Government's discretion which, if any, Option requirements are exercised.

C.17 MEETINGS

C.17.1 Integration Meeting. Within 7 calendar days of the effective date of Modification P00009 incorporating these FY2013 Phase III SBIR requirements, the Contractor shall contact the COR in order to coordinate and conduct an Integration Meeting. Unless otherwise mutually agreed between the parties, this meeting shall take place at the Contractor's facility on a date and time agreed upon between the COR and Contractor. The Contractor shall record the minutes of this meeting, and afterward prepare and distribute to all persons in attendance a set of meeting minutes in Contractor format.

C.17.2 Final Program Review Meeting. The Contractor shall coordinate and conduct a Final Program Review Meeting, to be held at TARDEC within the final 30 days of the contractual performance period for the Phase III effort added by Modification P00009, on a date and at a time agreed upon by the Contractor and COR. At this Program Review Meeting, the Contractor shall make a presentation of all completed work, discuss the entire contractual effort (including each of the base Phase II, Enhancement, and Phase III segments of work efforts in the Contract), and the results/success of the entire contractual development effort as detailed in the Final Scientific and Technical Report. By the time that the Final Program Review Meeting is held, the Contractor shall have at a minimum submitted at least their initial draft version of the Final Scientific and Technical Report to the COR.

C.18 DELIVERABLES

C.18.1 Electronic Control Module (ECM). At a time mutually agreeable between the Contractor and COR, the Contractor shall deliver to the COR one Electronic Control Module as described in SOW Section C.10.6, previously incorporated into the existing contractual requirements with Modification P00008, issued in April 2012, for the FY2012 Phase II SBIR Enhancement work effort.

C.18.2 Prototype Engines. By the end completion date of the Contract, the Contractor shall deliver to the Government each of the three prototype 250/270 HP Hawk V-8 Max Performance engines (ref. C.16.1.2, C.16.1.2.4, C.16.1.3, C.16.1.3.4, C.16.1.4, and C.16.1.4.2), and provide a DD Form 250 for Government Final Inspection and Acceptance of the engines. As stated earlier in this SOW, these engines shall be considered to be "new builds"; that is, having never been tested other than running for operation and fine-tuning adjustments.

C.18.2.1 The following information shall be included as part of the Final Scientific and Technical Report (ref. CDRL Data Item A003), in order to support potential future larger-scale DoD engine acquisition:

C.18.2.1.1 Current external dimensions and weight of the fully assembled prototype 250/270 HP Hawk V-8 Max Performance engines, without any fluid reservoirs filled.

C.18.2.1.2 A bill of materials that includes each component of the prototype 250/270 HP Hawk V-8 Max Performance engine.

C.18.2.1.3 Documentation confirming that the prototype 250/270 HP Hawk V-8 Max Performance engine as designed and built will not require any changes to the M1151 HMMWV, including to the sizes of the vehicles existing fluid reservoir capacities.

C.18.2.1.4 The estimated cost of acquiring additional delivered 250/270 HP Hawk V-8 Max Performance engine systems, without any further design modifications or improvements in manufacturing, in the following quantities:

C.18.2.1.4.1 Fifty (50);

C.18.2.1.4.2 Five Hundred (500);

C.18.2.1.4.3 One Thousand (1,000); and

C.18.2.1.4.4 Ten Thousand (10,000)

C.18.2.1.5 The current estimated costs to buy custom consumables and expendable support equipment and accessories (listed by item, quantity and per-unit price) sufficient for supporting:

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C.18.2.1.5.1 Seven days of continuous operation; and

C.18.2.1.5.2 Subsequent operation for noncontiguous amounts of time throughout a 12 month time period, with the total operational time aggregating to approximately 6 months (half) of this continuous 12 month performance period.

C.18.2.1.6 The estimated cost of acquiring custom consumables and expendable support equipment and accessories in the following quantities:

C.18.2.1.6.1 Fifty (50);

C.18.2.1.6.2 Five Hundred (500);

C.18.2.1.6.3 One Thousand (1,000); and

C.18.2.1.6.4 Ten Thousand (10,000)

C.18.2.1.7 A comprehensive set of preventive maintenance procedures, including maintenance intervals, supplies needed, and the estimated amount of labor time needed for each procedure.

C.18.2.1.8 Calibration requirements and recommended frequency between calibrations.

C.19 GOVERNMENT-FURNISHED PROPERTY/EQUIPMENT (GFP/GFE). The Government will provide to the Contractor one Turbocharged M1151 HMMWV vehicle for use with this project in performing installation verification work (ref. H.1.3). The Contractor shall work with the COR in order to coordinate delivery of the GFP unit to the Contractor's facility, as well as return of the unit back to the Government. Accordingly, the Memorandum of Agreement (MOA) between Product Director, Light tactical Vehicles (PD-LTV) and TARDEC, RDECOM, RDTA-COS-FL dated 14 January 2013 is also incorporated into Contract Section J as Attachment 0007, in order to further account for this GFP.

C.20 PERFORMANCE PERIOD. All work to be performed for this FY2013 Phase III (PM-LTV) SBIR work effort shall be completed by the Contractor no later than 31 Aug 2014, which is approximately 18 months after the award date of Modification P00009 incorporating these Phase III requirements (ref. Section F/Paragraph F.1.1).

END OF PM-LTV STATEMENT OF WORK

*** END OF NARRATIVE C0003 ***

CONTINUATION SHEET**Reference No. of Document Being Continued****Page 10 of 13****PIIN/SIIN** W56HZV-08-C-0298**MOD/AMD** P00009**Name of Offeror or Contractor:** ADVANCED ENGINES DEVELOPMENT CORPORATION

SECTION F - DELIVERIES OR PERFORMANCE

F.1 Period of Performance

F.1.1 All SBIR Phase II, Phase II Enhancement, and Phase III work effort required under this Contract, including any exercised options and delivery of the Final Scientific and Technical Report, shall be completed by 31 AUGUST 2014.

F.2 Data Deliverables

F.2.1 Delivery of data set forth in the Contract shall be in accordance with Exhibit A, Contract Data Requirements List (CDRL), DD Form 1423.

F.3 Material/Hardware Deliverables:

F.3.1 The Contractor shall deliver all of the parts, hardware and engines required under this Contract, along with a DD Form 250 for the final inspection and acceptance of each engine, to the Government by the Contract completion date (ref. F.1.1), FOB Destination to the following address:

Commander
U.S. Army TARDEC
ATTN: AMSTA-TAR-R, Mr. Milad Mekari
6501 East 11 Mile Road
Warren, MI 48397-5000

*** END OF NARRATIVE F0001 ***

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W56HZV-08-C-0298

MOD/AMD P00009

Name of Offeror or Contractor: ADVANCED ENGINES DEVELOPMENT CORPORATION

SECTION G - CONTRACT ADMINISTRATION DATA

LINE	AMS CD/ <u>ITEM</u>	PRON/ <u>MIPR</u>	OBLG <u>STAT</u>	JO NO/ <u>ACCT ASSIGN</u>	<u>ACRN</u>	<u>PRIOR AMOUNT</u>	<u>INCREASE/</u> <u>DECREASE</u>	<u>CUMULATIVE</u> <u>AMOUNT</u>
000103	E122A957JZ		2	A.0009038.2.4	AC \$	0.00 \$	849,861.00 \$	849,861.00
						NET CHANGE \$	849,861.00	

<u>ACRN</u>	<u>ACCOUNTING CLASSIFICATION</u>	<u>INCREASE/</u> <u>DECREASE</u>
AC	021 201220132040 A5XDJ 654642E40FPJB 2550 L032302851 A.0009038.2.4	021001 \$ 849,861.00
		NET CHANGE \$ 849,861.00

<u>PRIOR AMOUNT</u> <u>OF AWARD</u>	<u>INCREASE/DECREASE</u> <u>AMOUNT</u>	<u>CUMULATIVE</u> <u>OBLIG AMT</u>
NET CHANGE FOR AWARD: \$ 1,245,549.00	\$ 849,861.00	\$ 2,095,410.00

<u>LINE</u>	<u>ACRN</u>	<u>EDI/SFIS ACCOUNTING CLASSIFICATION</u>	<u>021001</u>
000103	AC	021 201220132040 A5XDJ 654642E40FPJB 2550 L032302851 A.0009038.2.4	021001

Name of Offeror or Contractor: ADVANCED ENGINES DEVELOPMENT CORPORATION

SECTION H - SPECIAL CONTRACT REQUIREMENTS

SPECIAL PROVISIONS

H.1 Government-Furnished Technical Data and Property

H.1.1 The Government may furnish, from time to time, such items of Government-owned property as deemed necessary to assist the Contractor in the performance of the Contract requirements.

H.1.2 Upon completion of the Contract or in the event of the termination of the Contract, either partial or complete, all Government-owned property, including both property furnished to the Contractor and property acquired by the Contractor for the account of the Government, which will have become surplus or excess to any remaining Contract requirements, shall be reported immediately by the Contractor to the Contracting Officer at the ACC-WRN, ATTN: CCTA-ASG, Warren, MI 48397 for redistribution, shipping instructions, release for disposal, or other actions.

H.1.3 Specific Government Furnished Property to be provided is/are as follows:

ITEM: M1152 HMMV
QUANTITY: ONE
SERIAL NUMBER: 220746
ACQUISITION VALUE: \$150,000.00

H.2 OPTION FOR CONTRACTOR SUPPORT DURING GOVERNMENT TESTING (ENHANCEMENT). The Government shall have the unilateral right to exercise an Option for the effort referenced and detailed in SOW Section C.13. The Government may exercise this Option at any time after Contract award, but no later than the end of the contractual Period of Performance. If exercised, the Option effort will be awarded on a cost plus fixed fee basis for \$38,678.00 (estimated cost). The Option Performance Period shall run concurrently with the rest of the Enhancement requirements to be performed by the Contractor, and this Option has no bearing whatsoever on the overall amount of time the Contractor is being given to perform all required SBIR Enhancement Program work efforts.

H.3 OPTION FOR CONTRACTOR SUPPORT DURING GOVERNMENT TESTING (PHASE III/PM-LTV). The Government shall have the unilateral right to exercise an Option for any combination of the efforts referenced and as detailed in SOW Section C.16.2. The Government may exercise this Option at any time after the award date of Modification P00009, but no later than the end of the contractual Period of Performance. The Option may be exercised in whole or in part, and in one or more increments. The Option Performance Period shall run concurrently with the rest of the Phase III PM-LTV requirements to be performed by the Contractor, and this Option in any form has no bearing whatsoever on the overall amount of time the Contractor is being given to perform all required PM-LTV Phase III work efforts. If exercised, the Option effort will be awarded on a cost plus fixed fee basis for any one of the following:

H.3.1 Test Engineer and Senior Technician (maximum of \$108,670.00 total, \$101,561.00 in estimated costs plus \$7,109.00 of fixed fee);

H.3.2 Test Engineer ONLY (maximum of \$74,142.00 total, \$69,292.00 cost plus \$4,850.00 fixed fee); or

H.3.3 Senior Technician ONLY (maximum of \$53,717.00 total, \$50,203.00 cost plus \$3,514.00 fixed fee).

*** END OF NARRATIVE H0001 ***

CONTINUATION SHEET**Reference No. of Document Being Continued****Page 13 of 13****PIIN/SIIN** W56HZV-08-C-0298**MOD/AMD** P00009**Name of Offeror or Contractor:** ADVANCED ENGINES DEVELOPMENT CORPORATION

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>
Exhibit A	CONTRACT DATA REQUIREMENTS LIST (CDRL) - DD1423		005	DATA
Attachment 0007	MEMORANDUM OF UNDERSTANDING (MOA) REGARDING GOVERNMENT- FURNISHED PROPERTY (GFP)	14-JAN-2013	002	EMAIL

CONTRACT DATA REQUIREMENT LIST

Form Approval OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 440 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.: D. SYSTEM/ITEM.....: Phase II SBIR/ A 42% Fuel Efficient, 650-HP, Advanced Diesel
Technology Demonstrator
B. EXHIBIT : A E. CONTRACT/PR NO.: W56HZV-08-C-0298
C. CATEGORY.....: F. CONTRACTOR.....: Advanced Engine Development, Corp.

1. DATA ITEM NO.: A001
2. TITLE OF DATA ITEM : Contractor's Progress Status and Management Report
3. SUBTITLE:
4. AUTHORITY: DI-MGMT-80227(T) (see 16a. below)
5. CONTRACT REFERENCE: C.7.1
6. REQUIRING OFFICE .: AMSRD-TAR-R / MS 263 9. DIST. STATEMENT REQUIRED: 12. DATE OF FIRST SUB: 60 DAC
7. DD250 REQ: LT 10. FREQUENCY : Bi-Monthly 13. DATE OF SUBS. SUB:
8. APP CODE: A 11. AS OF DATE: N/A

14. DISTRIBUTION ADDRESSEES: SUBMIT REPORTS ELECTRONICALLY TO THE E-MAIL ADDRESSES SHOWN IMMEDIATELY BELOW:

CONTRACTING OFFICER'S REPRESENTATIVE (COR): MILAD MEKARI, E-MAIL: MILAD.H.MEKARI.CIV@MAIL.MIL
CONTRACT SPECIALIST: MICHAEL CIACIUCH, E-MAIL: MICHAEL.R.CIACIUCH.CIV@MAIL.MIL
ADMINISTRATIVE CONTRACTING OFFICER (ACO): LARRY KOLB/DCMA CHICAGO, E-MAIL: LARRY.KOLB@DCMA.MIL

15. TOTAL:

16. REMARKS: DI-MGMT-80227 is tailored by deleting 10.2, 10.3(j) 10.3(k), and 10.3(l).

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

1. DATA ITEM NO.: A002
2. TITLE OF DATA ITEM : Research and Development (R&D) Project Summary
3. SUBTITLE:
4. AUTHORITY: DI-MISC-81612B(T)
5. CONTRACT REFERENCE: C.7.2
6. REQUIRING OFFICE .: AMSRD-TAR-R / MS 263 9. DIST. STATEMENT REQUIRED: 12. DATE OF FIRST SUB: SEE ITEM 16
7. DD250 REQ: DD 10. FREQUENCY : SEE ITEM 16 13. DATE OF SUBS. SUB: SEE ITEM 16
8. APP CODE: A 11. AS OF DATE:

14. DISTRIBUTION ADDRESSEES: SUBMIT REPORTS ELECTRONICALLY TO THE E-MAIL ADDRESSES SHOWN IMMEDIATELY BELOW:

CONTRACTING OFFICER'S REPRESENTATIVE (COR): MILAD MEKARI, E-MAIL: MILAD.H.MEKARI.CIV@MAIL.MIL
CONTRACT SPECIALIST: MICHAEL CIACIUCH, E-MAIL: MICHAEL.R.CIACIUCH.CIV@MAIL.MIL
ADMINISTRATIVE CONTRACTING OFFICER (ACO): LARRY KOLB/DCMA CHICAGO, E-MAIL: LARRY.KOLB@DCMA.MIL

15. TOTAL:

16. REMARKS:

- a. DID DI-MISC-81612A is tailored by deleting the underlined text as noted in Attachment 002 to the contract.
- b. The contractor must submit a publicly releasable SBIR Phase II R&D Project Summary at the end of contract. The summary is an unclassified, non-sensitive, and non-proprietary summation of results that is intended for public viewing on the Army SBIR / STTR Small Business Portal. It should address the Data Item requirements on a summary basis and must not exceed 700 words.

Since the Department of Defense (DOD) will be publishing the summary, it must not contain any proprietary, classified, or ITAR restricted data. The summary must be submitted electronically and be in HTML format.

c. The Contractor shall deliver one Draft "SBIR Phase II and Phase III R&D Project Summary" by 31 July 2014. The COR shall review the draft report and return it to the Contractor within 15 days of receipt with comments. The Contractor shall then submit one Final "SBIR Phase II R&D Project Summary" within approximately 15 days after receipt of the COR's Draft comments (by the Contract completion end date).

- 17. PRICE GROUP:
- 18. ESTIMATED TOTAL PRICE:

- 1. DATA ITEM NO.: A003
- 2. TITLE OF DATA ITEM : SCIENTIFIC AND TECHNICAL REPORT
- 3. SUBTITLE: DRAFT/FINAL SCIENTIFIC AND TECHNICAL REPORT(S)
- 4. AUTHORITY: DI-MISC-80711A(T) (see 16a. below)
- 5. CONTRACT REFERENCE: C.7.3
- 6. REQUIRING OFFICE .: AMSRD-TAR-R / MS 263 9. DIST. STATEMENT REQUIRED: 12. DATE OF FIRST SUB: SEE ITEM 16
- 7. DD250 REQ: DD 10. FREQUENCY : SEE ITEM 16 13. DATE OF SUBS. SUB: SEE ITEM 16
- 8. APP CODE: A 11. AS OF DATE:

14. DISTRIBUTION ADDRESSEES: SUBMIT REPORTS ELECTRONICALLY TO THE E-MAIL ADDRESSES SHOWN IMMEDIATELY BELOW:

CONTRACTING OFFICER'S REPRESENTATIVE (COR): MILAD MEKARI, E-MAIL: MILAD.H.MEKARI.CIV@MAIL.MIL
CONTRACT SPECIALIST: MICHAEL CIACIUCH, E-MAIL: MICHAEL.R.CIACIUCH.CIV@MAIL.MIL
ADMINISTRATIVE CONTRACTING OFFICER (ACO): LARRY KOLB/DCMA CHICAGO, E-MAIL: LARRY.KOLB@DCMA.MIL

15. TOTAL:

16. REMARKS:

- a. DI-MISC-80711A is tailored by deleting 10.2.
- b. The Draft of the Final Scientific and Technical Report (C.7.3) shall be delivered approximately two months before the Contract completion end date. The Draft report shall include a completed Standard Form (SF) 298 (Report Documentation Page) as the Report's cover sheet. The Government will review and respond within 30 days of receipt. The Contractor shall then submit the Final Scientific and Technical Report (with the completed SF 298) within 30 days after receipt of Draft comments/approval (by the Contract completion end date).
- c. You may download the SF 298 form, from the following internet address:

<http://www.dtic.mil/dtic/forms/sf298template.doc>

Instructions for completing the SF 298 are provided in Attachment 0001 to the contract.

Here are some additional instructions for completing the SF 298 form that apply when submitting reports under the SBIR Program:

For each unclassified report, the Contractor shall fill in Block 12a (Distribution/Availability Statement) of the SF 298 with one of the following statements:

- (a) Approved for public release; distribution unlimited.
- (b) Distribution authorized to U.S. Government Agencies only; contains proprietary information

Note: After reviewing the Contractor's entry in Block 12a, TARDEC has final responsibility for assigning a distribution statement. The

contractor shall mark the actual report itself in accordance with the appropriate legends set forth in DFARS 252.227-7018, "RIGHTS IN NONCOMMERCIAL TECHNICAL DATA AND COMPUTER SOFTWARE -- SMALL BUSINESS INNOVATIVE RESEARCH (SBIR) PROGRAM".

Block 13 (Abstract) of the SF 298 must include the first sentence, "Report developed under SBIR contract for topic (insert topic number)." The abstract must identify the purpose of the work and briefly describe the work carried out, the finding or results, and the potential applications of the effort. Since the Department of Defense (DOD) will be publishing the abstract, it must not contain any proprietary or classified data.

Block 14 (Subject Terms) of the SF 298 must include the term "SBIR Report."

- 17. PRICE GROUP:
- 18. ESTIMATED TOTAL PRICE:

- 1. DATA ITEM NUMBER: A004
- 2. TITLE OF DATA ITEM: TEST PLAN
- 3. SUBTITLE: 214/240HP Performance Test Plan, 214/240HP Endurance Test Plan, 250/270HP Performance Test Plan and 250/270HP Endurance Test Plan
- 4. AUTHORITY: (see 16a. below)
- 5. CONTRACT REFERENCE: C.12.2
- 6. REQUIRING OFFICE: AMSRD-TAR-R / MS 263
- 7. DD250 REQUIRED: LT
- 8. APP. CODE: A
- 9. DIST. STATEMENT REQUIRED:
- 10. FREQUENCY: See Item 16
- 11. AS OF DATE: N/A
- 12. DATE OF FIRST SUB. : See Item 16
- 13. DATE OF SUBS. SUB. : N/A

- 14. DISTRIBUTION ADDRESSEES: SUBMIT REPORTS ELECTRONICALLY TO THE E-MAIL ADDRESSES SHOWN IMMEDIATELY BELOW:

CONTRACTING OFFICER'S REPRESENTATIVE (COR): MILAD MEKARI, E-MAIL: MILAD.H.MEKARI.CIV@MAIL.MIL
CONTRACT SPECIALIST: MICHAEL CIACIUCH, E-MAIL: MICHAEL.R.CIACIUCH.CIV@MAIL.MIL
ADMINISTRATIVE CONTRACTING OFFICER (ACO): LARRY KOLB/DCMA CHICAGO, E-MAIL: LARRY.KOLB@DCMA.MIL

- 15. TOTAL:

- 16. REMARKS:

- a. The Performance Test Plans (PTPs) will be completed at the Contractor's facility: one PTP for the 214-240HP engine, and one for the 250-270HP engine.
- b. The Endurance Test Plans (ETPs) will also be completed at the Contractor's facility: one ETP for the 214-240HP engine, and one for the 250-270HP engine.
- c. Both the Performance and Endurance Test Plans will each be developed & submitted in Microsoft Excel (or comparable) format.
- d. All Test Plans shall be submitted along with the Final Scientific and Technical Report (A003).

- 17. PRICE GROUP:
- 18. ESTIMATED TOTAL PRICE:

- 1. DATA ITEM NUMBER: A005
- 2. TITLE OF DATA ITEM: PROTOTYPE ENGINE DELIVERY
- 3. SUBTITLE: quantity two total; one 214-240HP Prototype Engine, and one 250-270HP Prototype Engine
- 4. AUTHORITY: (see 16a. below)
- 5. CONTRACT REFERENCE: C.12.1
- 6. REQUIRING OFFICE: AMSRD-TAR-R / MS 263
- 7. DD250 REQ'D. : DD
- 8. APP. CODE: A
- 9. DIST. STATEMENT REQUIRED:
- 10. FREQUENCY: See Item 16

- 11. AS OF DATE: N/A
- 12. DATE OF FIRST SUB. : See Item 16
- 13. DATE OF SUBS. SUB. : N/A

14. DISTRIBUTION ADDRESSEES: SUBMIT REPORTS ELECTRONICALLY TO THE E-MAIL ADDRESSES SHOWN IMMEDIATELY BELOW:

N/A, there are no reports to be submitted for this Data Item A005; the Contractor shall deliver the prototype engines to the COR, Milad Mekari, e-mail: MILAD.H.MEKARI.CIV@MAIL.MIL, phone 586.282.5834

15. TOTAL:

16. REMARKS:

- a. The Contractor shall ship one completely assembled 214-240HP prototype engine, and one completely assembled 250-270HP prototype engine from their facility to TARDEC in Warren, Michigan, to be shipped FOB origin.
- b. The Contractor shall prepare the engines for shipment at their facility, in accordance with all Department of Transportation (DOT) Regulations.
- c. The Contractor shall construct shipping containers using materials of their choice.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

- 1. DATA ITEM NUMBER: A006
- 2. TITLE OF DATA ITEM: TECHNICAL READINESS LEVEL (TRL) CHART
- 3. SUBTITLE: N/A
- 4. AUTHORITY: N/A
- 5. CONTRACT REFERENCE: C.10.8
- 6. REQUIRING OFFICE: N/A
- 7. DD250 REQ'D. : N/A
- 8. APP. CODE: N/A
- 9. DIST. STATEMENT REQUIRED: N/A
- 10. FREQUENCY: N/A
- 11. AS OF DATE: N/A
- 12. DATE OF FIRST SUB. : N/A
- 13. DATE OF SUBS. SUB. : N/A

14. DISTRIBUTION ADDRESSEES: SUBMIT REPORTS ELECTRONICALLY TO THE E-MAIL ADDRESSES SHOWN IMMEDIATELY BELOW:

N/A, there are no reports to be submitted for this Data Item A005; it is simply an informative chart provided in order for the Contractor to understand what the various TRL levels of technology readiness are.

15. TOTAL:

16. REMARKS: none

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

***** THE FOLLOWING INSTRUCTION APPLIES TO ALL REPORTS DELIVERABLE UNDER THE CONTRACT *****

Prepare the reports in Contractor format. Submit the reports using any of the following electronic formats:

(1) Files readable using these Microsoft* Office XP or Microsoft* Office 2002 & lower Products: Word, Excel, PowerPoint, or Access. Spreadsheets must be sent in a file format that includes all formulae, macro and format information. Print or scan images of spreadsheets are not acceptable. Please see security note below for caution regarding use of macros.

(2) Files in Adobe PDF (Portable Document Format). When scanning documents, scanner should be set to 200 dots per inch.

(3) Files in HTML (Hypertext Markup Language) Format. HTML documents must not contain active links to Internet websites or web pages for reference information. All linked information must be contained within your electronic report, and be accessible offline.

(4) Other electronic formats. Before preparing your report in any other electronic format, please e-mail the COR, with an e-mail copy-furnished to amsta-idq@tacom.army.mil, to obtain a decision as to the format's acceptability. This e-mail must be received by the COR not later than ten (10) calendar days before the draft report's due date. All alternate methods must be at no cost to the Government.

(5) Please note that we can no longer accept .zip files due to increasing security concerns.

NOTE. Macros: The virus scanning software used by our e-mail systems cannot always distinguish a macro from a virus. Therefore, sending a macro embedded in an e-mail message or an e-mail attachment may cause the e-mail report to be quarantined.

d. Acceptable media: The Contractor shall submit reports via e-mail. If e-mail is not workable, another acceptable media is a 650 megabyte CD ROM. Identify the software application and version used to create each file submitted.

(1) E-MAIL. Maximum size of each e-mail message shall be three and one-half (3.5) megabytes. Previously "zipped" files were accepted, but due to security concerns these zipped attachments cannot be received through our mail system. You may use multiple e-mail messages if necessary, however, you must annotate the subject lines in this manner: "Message 1 of 3, 2 of 3, 3 of 3."

(2) 650 MEGABYTE CD ROM to be delivered via U.S. Mail or other carrier. The Contractor shall label all submitted disks with the Contract number, the Contractor's name and address, and a contact's phone number. Exterior mailing envelopes containing disks must be addressed to the following address:

Milad Mekari, AMSTA-TAR-R, MS 263
U.S. Army TACOM Life Cycle Management Command (TACOM LCMC)
6501 East 11 Mile Road
Warren, MI 48397-5000

NOTE: Please select only one type of electronic media to transmit each report. For instance, do not submit a report via e-mail and CD-ROM.

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