

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Firm Fixed Price

Page 1 Of 7

2. Amendment/Modification No. P00008	3. Effective Date 2013SEP10	4. Requisition/Purchase Req No. SEE SCHEDULE	5. Project No. (If applicable)
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6. Issued By U.S. ARMY CONTRACTING COMMAND LISA M. KOSKI WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: LISA.M.KOSKI@US.ARMY.MIL	Code W56HZV	7. Administered By (If other than Item 6) DCMA ORLANDO 3555 MAGUIRE BLVD ORLANDO, FL 32803-3726	Code S1002A
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8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code) SAPA TRANSMISSION, INC. 2101 NE 21ST ST FORT LAUDERDALE, FL 33305-2522	<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-10-C-0383
	<input type="checkbox"/>	10B. Dated (See Item 13) 2010SEP27
Code 3PGU9	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: AE NET INCREASE: \$500,000.00

**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 checked="" 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) LYNN M. BYRNE LYNN.M.BYRNE@US.ARMY.MIL (586)282-6553	
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 2013SEP10

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	PIIN/SIIN W56HZV-10-C-0383 MOD/AMD P00008	
Name of Offeror or Contractor: SAPA TRANSMISSION, INC.		

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name: LISA M. KOSKI
 Buyer Office Symbol/Telephone Number: CTA-ASG-C/(586)282-9617
 Type of Contract: Firm Fixed Price
 Kind of Contract: Research and Development Contracts
 Type of Business: Large Business Performing in U.S.
 Surveillance Criticality Designator: C
 Weapon System: No Identified Army Weapons Systems

*** End of Narrative A0000 ***

PREVIOUS NEGOTIATED CONTRACT VALUE: \$7,800,000
 NEGOTIATED VALUE OF THIS ACTION: \$ 0
 TOTAL NEGOTIATED CONTRACT VALUE: \$7,800,000

PREVIOUS OBLIGATED CONTRACT VALUE: \$6,300,000
 OBLIGATED VALUE OF THIS ACTION : \$ 500,000
 TOTAL OBLIGATED CONTRACT VALUE: \$6,800,000

1. The purpose of unilateral Modification P00008 is to add \$500,000 in incremental funding for Milestone 17 pursuant to paragraph B.1.1.
2. As a result, the contract is modified as follows:
 - a) Section B:
 - i. SubCLIN 0019AA is established and funded in the amount of \$500,000 (PRON R33MC010R3) to partially fund Performance Milestone 17 (MS17) pursuant to Section B.2, Funding Schedule and B.5, Performance Milestone schedule.
 - ii. Paragraph B.3.1, the amount of funding currently obligated to this contract is increased by \$500,000 from \$6,300,000 to \$6,800,000.
 - b) Section G: The contract administration data is revised to reflect the addition of SubCLIN 0019AA.
 - c) Section J: The Contract Specialist is changed from Marty Lynch to Lisa Koski.
3. As a result of this modification, the total negotiated value of this contract remains unchanged at \$7,800,000.
4. As a result of this modification, the total obligated value of this contract is hereby increased \$500,000 from \$6,300,000 to \$6,800,000.
5. Except as provided herein, all other terms and conditions remain unchanged.

*** END OF NARRATIVE A0008 ***

CONTINUATION SHEET

Reference No. of Document Being Continued
 PIIN/SIIN W56HZV-10-C-0383 MOD/AMD P00008

Name of Offeror or Contractor: SAPA TRANSMISSION, INC.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT						
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS										
0019	SAPA										
0019AA	<p>MILESTONE 17 (MS 17) FUNDING</p> <p>GENERIC NAME DESCRIPTION: SAPA CLIN CONTRACT TYPE: Firm Fixed Price PRON: R33MC010R3 PRON AMD: 03 ACRN: AE</p> <p>This SubCLIN provides partial funding for Performance Milestone 17 (MS17). MS17 is partially funded pursuant to the Funding Schedule detailed in Section B.2 entitled FUNDING SCHEDULE.</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>PERF COMPL</td> </tr> <tr> <td><u>REL CD</u> <u>QUANTITY</u> <u>DATE</u></td> <td></td> </tr> <tr> <td>001 1 30-SEP-2016</td> <td></td> </tr> </table> <p style="text-align: right;">\$ 500,000.00</p>	DLVR SCH	PERF COMPL	<u>REL CD</u> <u>QUANTITY</u> <u>DATE</u>		001 1 30-SEP-2016		1	LO		\$ 500,000.00
DLVR SCH	PERF COMPL										
<u>REL CD</u> <u>QUANTITY</u> <u>DATE</u>											
001 1 30-SEP-2016											

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MOD/AMD P00008

Name of Offeror or Contractor: SAPA TRANSMISSION, INC.**B.1 FUNDING**

B.1.1 The government will provide funding under the contract to cover the designated milestone payments on an incremental basis, as stated in the funding schedule below (See section B.2 below).

B.2 FUNDING SCHEDULE

Award through	09/30/2010	\$ 518,000.00
10/01/2010 -	09/30/2011	\$2,340,000.00
10/01/2011 -	09/30/2012	\$2,500,000.00
10/01/2012 -	Completion	<u>\$2,442,000.00</u>
Total Contract Value		\$7,800,000.00

B.3 FUNDS OBLIGATED

B.3.1 The amount of funding currently obligated to this contract is \$6,800,000.00.****

B.4 CLINs 0001, 0002, 0003, 0004, 0005, 0006, 0007, 0008, 0009, 0010, 0011, 0012, 0013, 0014, 0015, 0016, 0019, 0020, 0021 and 0022 are established as performance milestone payments. The performance milestone payment schedule is summarized below in section B.5 - Performance Milestone Schedule, and is attached in full to this contract as "Attachment 0001."

B.5 Performance Milestone Schedule

MS1 - CLIN 0001 is established for the Completion of: Engine Concept & Analysis (C.2.1 TASK 1), with a projected invoice date of five (5) months after contract award. This performance milestone is priced at, and will be funded in the amount of, \$390,000.00.

MS2 - CLIN 0002 is established for the Completion of: Procurement of the first of three Commercial Off The Shelf (COTS) Diesel engines (C.2.1 Task 1) and completion of the Sub-contractor Powertrain Energy Analysis (C.2.13 TASK 13) with a projected invoice date of seven (7) months after contract award. This performance milestone is priced at, and will be funded in the amount of, \$234,000.00.

MS3 - CLIN 0003 is established for the Completion of: Powertrain Analysis (C.13 TASK 13) with a projected invoice date of nine (9) months after contract award. This performance milestone is priced at, and will be funded in the amount of, \$289,799.00.

MS4 - CLIN 0004 is established for the Completion of: (1) Procurement of the second of three COTS diesel engines (C.2.1 TASK 1), and (2) instrument and commission of the selected diesel engine (C.2.1.1 TASK 1) with a projected invoice date of ten (10) months after contract award. This performance milestone is priced at, and will be funded in the amount of, \$357,435.00.

MS5 - CLIN 0005 is established for the Completion of: Transmission Efficiency Improvement Report (C.2.11 TASK 11) with a projected invoice date of eleven (11) months after contract award. This performance milestone is priced at, and will be funded in the amount of, \$140,662.00.

MS6 - CLIN 0006 is established for the Completion of: (1)Power Cylinder Parasitic Research (C.2.4 TASK 4); and (2) Testing of the Different Sensing System Options (C.2.7 TASK 7), with a projected invoice date of thirteen (13) months after contract award. This performance milestone is priced at, and will be funded in the amount of, \$412,360.00.

MS7 - CLIN 0007 is established for the Completion of: (1) Procurement of the third of three COTS diesel engines (C.2.1 TASK 1); Combustion and Whole Engine Model Development for Baseline Engine Architecture (C.2.2 TASK 2); and (3) Noise Reduction Techniques (C.2.12 TASK 12); with a projected invoice date of sixteen (16) months after contract award. This performance milestone is priced at, and will be funded in the amount of, \$390,109.00.

MS8 - CLIN 0008 is established for the Completion of: the Electric Machine and Converter Modeling & Analysis (C.2.10 TASK 10); with a projected invoice date of eighteen (18) months after contract award. This performance milestone is priced at, and will be funded in the amount of, \$417,219.00.

MS9 - CLIN 0009 is established for the Completion of: (1)Identification of Key System Components & Architecture Definition (C.2.6 TASK 6); (2) Combustion System Identification Design and Procurement (C.2.3 TASK 3); and (3) Air handling System Identification Design & Procurement (C.2.5 TASK 5); (4) Testing and Development of the Fuel Sensing System (C.3.5 TASK 5); with a projected invoice date of nineteen (19) months after contract award. This performance milestone is priced at, and will be funded in the amount of, \$142,576.00.

MS10 - CLIN 0010 is established for the Completion of: (1)Transmission Development (C.2.11 TASK 11), to include Transmission Hydraulic system final design report and Transmission Electric system final design report; with a projected invoice date of twenty-one (21) months after contract award. This performance milestone is priced at, and will be funded in the amount of, \$234,438.00.

MS11 - CLIN 0011 is established for the Completion of: Cylinder Pressure Based Engine Control, Controls Procurement and Cylinder

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Name of Offeror or Contractor: SAPA TRANSMISSION, INC.

Pressure Based Engine Control Software License purchase (C.2.8 TASK 8), with a projected invoice date of twenty-two (22) months after contract award. This performance milestone is priced at, and will be funded in the amount of, \$213,418.00.

MS12 - CLIN 0012 is established for the Completion of: (1) Cylinder Pressure Based Engine Control, base engine control development report (C.2.8 TASK 8); and (2) Completion of Electric Machine and Converter Modeling and Analysis, including Permanent Magnet themal and electrical models (C.2.10 TASK 10); with a projected invoice date of twenty-four (24) months after contract award. This performance milestone is priced at, and will be funded in the amount of, \$286,560.00.

MS13 - CLIN 0013 is established for the Completion of: (1) Cylinder Pressure Based Engine Control, closed loop combustion controls integration start (C.2.8 TASK 8); and (2) Completion of Electric Machine and Converter Modeling and Analysis, Permanent magnet motor final design report (C.2.10 TASK 10); with a projected invoice date of twenty-seven (27) months after contract award. This performance milestone is priced at, and will be funded in the amount of, \$815,424.00.

MS14 - CLIN 0014 is established for the Completion of: Transmission Development, Transmission final design report (C.2.11 TASK 11), with a projected invoice date of twenty-nine (29) months after contract award. This performance milestone is priced at, and will be funded in the amount of, \$351,656.00.

MS15 - CLIN 0015 is established for the Completion of: Cylinder Pressure Based Engine Control, closed loop combustion controls integration completed (C.2.8 TASK 8); with a projected invoice date of thirty (30) months after contract award. This performance milestone is priced at, and will be funded in the amount of, \$556,834.00.

MS16 - CLIN 0016 is established for the Completion of: (1) Cylinder Pressure Based Engine Control, systems demonstration and report (C.2.8 TASK 8); (2) Fuels Mixture Study, Design of Experiment (DoE) for fuel blends study (C.2.9 TASK 9); (3) Performance Characterization of the Baseline Engine Using Different Fuel Mixtures, Base engine controls development report (C.3.1 TASK 1); (4) Engine Development Testing, performance and emissions development, hardware validation report (C.3.2 TASK 2); (5) Permanent Magnet and Inverter Validation Testing, permanent magnet motor test report (C.3.11 TASK 11); with a projected invoice date of thirty-three (33) months after contract award. This performance milestone is priced at, and will be funded in the amount of, \$1,109,959.00.

MS17 - CLIN 0019 is established for the Completion of: (1) Steady State Calibration Development with the Prototype Engine Using DF-2 (C.3.3 TASK 3); (2) Steady State Calibration Development with the Prototype Engine Using Different Fuels and Mixtures (C.3.4 TASK 4); (3) Comparative Study of the Noise Reduction Technologies (C.3.9 TASK 9); and (4) Transmission Testing (C.3.12 TASK 12), with a projected invoice date of thirty-six (36) months after contract award. This performance milestone is priced at, and will be funded in the amount of, \$834,457.00.

MS18 - CLIN 0020 is established for the Completion of: (1) Development of the Control System which will Adapt to the Fuel System (C.3.6 TASK 6); (2) Transient Calibration Development with the Prototype Engine Using DF-2 (C.3.7 TASK 7); (3) Transient Calibration Development with the Prototype Engine Using Different Fuel Blends (C.3.8 TASK 8); and (3) Procurement/Manufacture of Hardware (C.3.10 TASK 10), with a projected invoice date of thirty-nine (39) months after contract award. This performance milestone is priced at, and will be funded in the amount of, \$180,634.00

MS19 - CLIN 0021 is established for the Completion of: Integrated Powertrain test report (C.4.4 TASK 4), with a projected invoice date of forty-one (41) months after contract award. This performance milestone is priced at, and will be funded in the amount of, \$286,093.00

MS20 - CLIN 0022 is established for the Completion of: (1) NATO Endurance Cycle Testing with the Prototype Engine, complete NATO test and report (C.4.1 TASK 1); (2) Steady State Performance Validation, testing and report (C.4.2 TASK 2); (3) Transient Performance Validation, testing and report (C.4.3 TASK 3); and (4) Hardware Deliverables, delivery of two (2) fully developed, functional powertrains for testing at TARDEC (C.4.5 TASK 5), with a projected invoice date of forty-five (45) months after contract award. This performance milestone is priced at, and will be funded in the amount of, \$156,367.00

All payments are contingent upon the Government receiving and approving the required documents (as designated in Attachment 0001 Rev 01 - Performance Milestone - under "Evidence Documenting Objective Completion") in Wide Area Work Flow (WAWF) or a DD Form 250 to the payment office in order to receive payment.

****Changed by Modification P00008

*** END OF NARRATIVE B0002 ***

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Name of Offeror or Contractor: SAPA TRANSMISSION, INC.

SECTION G - CONTRACT ADMINISTRATION DATA

LINE	PRON/ AMS CD/ MIPR/ <u>ITEM</u>	OBLG <u>STAT</u>	JO NO/ <u>ACCT ASSIGN</u>	ACRN	PRIOR AMOUNT	INCREASE/ DECREASE	CUMULATIVE AMOUNT
0019AA	R33MC010R3	2	R.0005719.2.10	AE \$	0.00 \$	500,000.00 \$	500,000.00
					NET CHANGE \$	500,000.00	

ACRN	ACCOUNTING CLASSIFICATION	INCREASE/ DECREASE
AE	021 201320142040 A60FL 633005441RK20 2550 L033518679 R.0005719.2.10	021001 \$ 500,000.00
		NET CHANGE \$ 500,000.00

	PRIOR AMOUNT OF AWARD	INCREASE/DECREASE AMOUNT	CUMULATIVE OBLIG AMT
NET CHANGE FOR AWARD:	\$ 6,300,000.00	\$ 500,000.00	\$ 6,800,000.00

LINE	ACRN	EDI/SFIS ACCOUNTING CLASSIFICATION	
0019AA	AE	021 201320142040 A60FL 633005441RK20	2550 L033518679 R.0005719.2.10 021001

CONTINUATION SHEET

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Name of Offeror or Contractor: SAPA TRANSMISSION, INC.

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	29-AUG-2013		

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.: 0002
B. EXHIBIT : A
C. CATEGORY.....: Other
D. SYSTEM/ITEM.....: Research and Development
E. CONTRACT/PR NO.....: W56HZV-10-C-0383
F. CONTRACTOR.....: SAPA Transmission USA

1. DATA ITEM NO.: A001
2. TITLE OF DATA ITEM: Contract Progress, Status & Management Reports
3. SUBTITLE: Monthly Reports
4. AUTHORITY: DI-MGMT-80227
5. CONTRACT REFERENCE: C.7.5
6. REQUIRING OFFICE: AMSRD-TAR-R
7. DD250 REQ: NO
8. APP CODE: N/A
9. DIST. STATEMENT REQUIRED: E
10. FREQUENCY: SEE ITEM 16
11. AS OF DATE: SEE ITEM 16
12. DATE OF FIRST SUB: SEE ITEM 16
13. DATE OF SUBS. SUB: SEE ITEM 16
14. DISTRIBUTION ADDRESSEES: SUBMIT REPORTS ELECTRONICALLY TO THE E-MAIL ADDRESSES SHOWN IMMEDIATELY BELOW:

Steve Gruenewald, CONTRACTING OFFICER'S REPRESENTATIVE,
E-MAIL: steven.m.gruenewald.civ@mail.mil**

Lisa Koski, CONTRACT SPECIALIST
E-MAIL: lisa.m.koski.civ@mail.mil

ACO: Jeffery Seltzer
E-Mail: Jeffery.Seltzer@dcma.mil

15. TOTAL:
16. REMARKS:

a. The contractor shall prepare monthly progress, status, cost and management reports and prepare reviews. The status reports shall summarize the work completed; the contract tasks not completed and significant accomplishments, problems or delays. The reports shall include the status of on-going studies and studies completed during the reporting time period, as well as test results and their analysis and impact. The status reports will also report total costs projected and incurred to date, with specific reference to the costs incurred since the last status report. MS Project software should be used to follow the progress of the program, and an electronic copy of the file will be provided to the COR and COTR with each progress report. The first report shall be due approximately 30 days after contract award. Each subsequent monthly progress report shall be provided to the COR 10 days after the start of each month during the program.

b. Complete the reports in accordance with (IAW) Data Item Description (DID) DI-MGMT-80227, "Contractor's Progress, Status, and Management Report." The COR is responsible for accepting or rejecting the "Contractor's Progress, Status, and Management Reports." See DID DI-MGMT-80227, at the Internet address below, for instructions on completing the required report.
<http://astimage.daps.dla.mil/docimages/0001\\48\\17\\DI80227.PD8>

If this link does not work, go to: http://assist.daps.dla.mil/quicksearch/fsc_quicksearch.cfm and insert the authority reference in item 4 above in the Document ID box and submit.

17. PRICE GROUP: Group I
18. ESTIMATED TOTAL PRICE: Not Separately Priced.

1. DATA ITEM NO.: A002
2. TITLE OF DATA ITEM: Scientific & Technical Reports
3. SUBTITLE: Final Technical Report
4. AUTHORITY: DI-MISC-80711A
5. CONTRACT REFERENCE: C.7.2, C.7.5
6. REQUIRING OFFICE: AMSRD-TAR-R
7. DD250 REQ: YES
8. APP CODE: N/A
9. DIST. STATEMENT REQUIRED: E
10. FREQUENCY: SEE ITEM 16
11. AS OF DATE: SEE ITEM 16
12. DATE OF FIRST SUB: SEE ITEM 16
13. DATE OF SUBS. SUB: SEE ITEM 16
14. DISTRIBUTION ADDRESSEES: SUBMIT REPORTS ELECTRONICALLY TO THE E-MAIL ADDRESSES SHOWN IMMEDIATELY BELOW:

Steve Gruenewald, CONTRACTING OFFICER'S REPRESENTATIVE,
E-MAIL: steven.m.gruenewald.civ@mail.mil**

Lisa Koski, CONTRACT SPECIALIST
E-MAIL: lisa.m.koski.civ@mail.mil

ACO: Jeffery Seltzer
E-Mail: Jeffery.Seltzer@dcma.mil

15. TOTAL:
16. REMARKS:

a. The contractor shall prepare and deliver to the government a draft Scientific and Technical Report no later than 60 days prior to the contract end date. The draft report shall include a completed Standard Form (SF) 298 (Report Documentation Page) as the report's cover sheet, a cost analysis, a summary of technical information gathered or created, test data and conclusions. The government shall review and provide comments within 30 days. The Contractor shall incorporate the governments comments and submit one (1) final "Scientific and Technical Report" (with the completed SF 298) within thirty (30) days after receipt of draft comments. DD 250 is required for the final version.

b. Complete the reports IAW DID DI-MISC 80711, "Scientific and Technical Reports." The COR is responsible for accepting or rejecting the draft and final reports, and for submitting the approved final report to the Defense Technical Information Center (DTIC), in Ft. Belvoir, VA. See the data item description (DI-MISC-80711), at the Internet address below, for instructions on completing the required report. <http://astimage.daps.dla.mil/docimages/0002/27/88/80711.PD4>. If this link does not work, go to: http://assist.daps.dla.mil/quicksearch/fsc_quicksearch.cfm and insert the authority reference in item 4 above in the Document ID box and submit.

17. PRICE GROUP: Group I
18. ESTIMATED TOTAL PRICE: Not Separately Priced.

1. DATA ITEM NO.: A003
2. TITLE OF DATA ITEM: Technical Report-Study/Services
3. SUBTITLE: Monthly Reports
4. AUTHORITY: DI-MISC-80508B
5. CONTRACT REFERENCES: C.1.2, C.1.3, C.2, C.3, C.4.1, C.4.2, C.4.3, C.4.4, C.4.5, C.5.1, C.5.2, C.6.1, C.6.2, C.6.3.1, C.6.3.2, C.6.3.3.1, C.6.3.3.2, C.6.3.3.3, C.6.3.3.4, C.6.4.2
6. REQUIRING OFFICE: AMSRD-TAR-R
7. DD250 REQ: NO
8. APP CODE: N/A
9. DIST. STATEMENT REQUIRED: E
10. FREQUENCY: SEE ITEM 16
11. AS OF DATE: SEE ITEM 16
12. DATE OF FIRST SUB: SEE ITEM 16

13. DATE OF SUBS. SUB: SEE ITEM 16
14. DISTRIBUTION ADDRESSEES: SUBMIT REPORTS ELECTRONICALLY TO THE E-MAIL ADDRESSES
SHOWN IMMEDIATELY BELOW:

Steve Gruenewald, CONTRACTING OFFICER'S REPRESENTATIVE,
E-MAIL: steven.m.gruenewald.civ@mail.mil**

Lisa Koski, CONTRACT SPECIALIST
E-MAIL: lisa.m.koski.civ@mail.mil

ACO: Jeffery Seltzer
E-Mail: Jeffery.Seltzer@dcma.mil

15. TOTAL:
16. REMARKS:

a. The contractor shall prepare monthly all the data required from the sections outlines in Item 5 above. The contractor shall prepare and provide all data in an electronic format that the COR is capable of graphing, sorting, analyzing, performing calculations on and manipulating electronically (e.g. thru matlab, simulink and/or excel). The first report and electronic data exchange shall be due approximately 30 days after contract award. Each subsequent monthly progress report shall be provided to the COR 10 days after the start of each month during the program.

b. Complete the reports IAW DID DI-MISC 80508B, "Technical Report-Study/Services". The COR is responsible for accepting or rejecting the technical report-study/services. See the data item description (DI-MISC-80508B), at the Internet address below, for instructions on completing the required report. Go to: http://assist.daps.dla.mil/quicksearch/fsc_quicksearch.cfm and insert the authority reference in item 4 above in the Document ID box and submit.

17. PRICE GROUP: Group I
18. ESTIMATED TOTAL PRICE: Not Separately Priced.

1. DATA ITEM NO.: A004
2. TITLE OF DATA ITEM: Integrated Master Schedule (IMS)
3. SUBTITLE:
4. AUTHORITY: DI-MGMT-81650
5. CONTRACT REFERENCES: C.7.3
6. REQUIRING OFFICE: AMSRD-TAR-R
7. DD250 REQ: NO
8. APP CODE: N/A
9. DIST. STATEMENT REQUIRED: E
10. FREQUENCY: SEE ITEM 16
11. AS OF DATE: SEE ITEM 16
12. DATE OF FIRST SUB: SEE ITEM 16
13. DATE OF SUBS. SUB: SEE ITEM 16
14. DISTRIBUTION ADDRESSEES: SUBMIT REPORTS ELECTRONICALLY TO THE E-MAIL ADDRESSES
SHOWN IMMEDIATELY BELOW:

Steve Gruenewald, CONTRACTING OFFICER'S REPRESENTATIVE,
E-MAIL: steven.m.gruenewald.civ@mail.mil**

Marty Lynch, CONTRACT SPECIALIST
E-MAIL: marty.d.lynch.civ@mail.mil **

ACO: Jeffery Seltzer
E-Mail: Jeffery.Seltzer@dcma.mil

15. TOTAL:
16. REMARKS:

a. The contractor shall prepare a draft Integrated Master Schedule (IMS) for the Start of Work Meeting. The contractor will then incorporate any changes and/or updates required to the IMS as a result of the Start of Work meeting and resubmit the IMS to the COR within 30 days after the Start of Work Meeting. The IMS shall be reviewed at every quarterly IPR and updated with any changes proposed

at the quarterly IPRs.

b. Complete the reports IAW DI-MGMT-81650, "Integrated Master Schedule" The COR is responsible for accepting or rejecting the IMS. See the data item description (DI-MGMT-81650), at the Internet address below, for instructions on completing the required report. Go to: http://assist.daps.dla.mil/quicksearch/fsc_quicksearch.cfm and insert the authority reference in item 4 above in the Document ID box and submit.

17. PRICE GROUP: Group I
18. ESTIMATED TOTAL PRICE: Not Separately Priced.

1. DATA ITEM NO.: A005
2. TITLE OF DATA ITEM: Contract Work Breakdown Structure
3. SUBTITLE:
4. AUTHORITY: DI-MGMT-81334C
5. CONTRACT REFERENCES: C.7.4
6. REQUIRING OFFICE: AMSRD-TAR-R
7. DD250 REQ: NO
8. APP CODE: N/A
9. DIST. STATEMENT REQUIRED: E
10. FREQUENCY: SEE ITEM 16
11. AS OF DATE: SEE ITEM 16
12. DATE OF FIRST SUB: SEE ITEM 16
13. DATE OF SUBS. SUB: SEE ITEM 16
14. DISTRIBUTION ADDRESSEES: SUBMIT REPORTS ELECTRONICALLY TO THE E-MAIL ADDRESSES SHOWN IMMEDIATELY BELOW:

Steve Gruenewald, CONTRACTING OFFICER'S REPRESENTATIVE,
E-MAIL: steven.m.gruenewald.civ@mail.mil**

Lisa Koski, CONTRACT SPECIALIST
E-MAIL: lisa.m.koski.civ@mail.mil

ACO: Jeffery Seltzer
E-Mail: Jeffery.Seltzer@dema.mil

15. TOTAL:
16. REMARKS:

a. The contractor shall prepare a draft Contract Work Breakdown Structure (CWBS) for the Start of Work Meeting. The contractor will then incorporate any changes and/or updates required to the CWBS as a result of the Start of Work meeting and resubmit the CWBS to the COR within 30 days after the Start of Work Meeting. The CWBS shall be reviewed at every quarterly IPR and updated with any changes proposed at the quarterly IPRs.

b. Complete the reports IAW DID DI-MGMT-81334C, "Contract Work Breakdown Structure" The COR is responsible for accepting or rejecting the CWBS. See the data item description (DI-MGMT-81334C), at the Internet address below, for instructions on completing the required report. Go to: http://assist.daps.dla.mil/quicksearch/fsc_quicksearch.cfm and insert the authority reference in item 4 above in the Document ID box and submit.

17. PRICE GROUP: Group I
18. ESTIMATED TOTAL PRICE: Not Separately Priced.

1. DATA ITEM NO.: A006
2. TITLE OF DATA ITEM: Software User Manual (SUM)
3. SUBTITLE:
4. AUTHORITY: DI-IPSC-81443A
5. CONTRACT REFERENCES: C.4.2, C4.3
6. REQUIRING OFFICE: AMSRD-TAR-R
7. DD250 REQ: NO

8. APP CODE: N/A
9. DIST. STATEMENT REQUIRED: E
10. FREQUENCY: SEE ITEM 16
11. AS OF DATE: SEE ITEM 16
12. DATE OF FIRST SUB: SEE ITEM 16
13. DATE OF SUBS. SUB: SEE ITEM 16
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Lisa Koski, CONTRACT SPECIALIST
E-MAIL: lisa.m.koski.civ@mail.mil

ACO: Jeffery Seltzer
E-Mail: Jeffery.Seltzer@dcm.mil

15. TOTAL:
16. REMARKS:

- a. The Software User Manual (SUM) tells a hands-on software user how to install and use a software system or subsystem.
- b. Complete the reports IAW DID DI-IPSC-81443A, "Software User Manual (SUM)". The COR is responsible for accepting or rejecting the SUM. See the data item description (DI-IPSC-81443A), at the Internet address below, for instructions on completing the required report. Go to:
http://assist.daps.dla.mil/quicksearch/fsc_quicksearch.cfm and insert the authority reference in item 4 above in the Document ID box and submit.
- c. The contractor shall prepare and deliver to the government a draft SUM no later than 60 days prior to the contract end date. The government shall review and provide comments within 30 days. The contractor shall incorporate the governments comments and submit one (1) final "Software User Manual (SUM)" within thirty (30) days after receipt of draft comments.

17. PRICE GROUP: Group I
18. ESTIMATED TOTAL PRICE: Not Separately Priced.

1. DATA ITEM NO.: A007
2. TITLE OF DATA ITEM: Software Programmers Guide
3. SUBTITLE:
4. AUTHORITY: DI-IPSC-81633
5. CONTRACT REFERENCES: C.4.2, C.4.3
6. REQUIRING OFFICE: AMSRD-TAR-R
7. DD250 REQ: NO
8. APP CODE: N/A
9. DIST. STATEMENT REQUIRED: E
10. FREQUENCY: SEE ITEM 16
11. AS OF DATE: SEE ITEM 16
12. DATE OF FIRST SUB: SEE ITEM 16
13. DATE OF SUBS. SUB: SEE ITEM 16
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Marty Lynch, CONTRACT SPECIALIST
E-MAIL: marty.d.lynch.civ@mail.mil **

ACO: Jeffery Seltzer

E-Mail: Jeffery.Seltzer@dcma.mil

15. TOTAL:
16. REMARKS:

a. The Software Programmer's Guide (SPG) provides information to enable a programmer to understand component internal and external interfaces and dependencies associated with a software program.

b. Complete the guide IAW DID DI-IPSC-81633, "Software Programmers Guide". The COR is responsible for accepting or rejecting the Software Programmers Guide. See the data item description (DI-IPSC-81633), at the Internet address below, for instructions on completing the requirement.

Go to: http://assist.daps.dla.mil/quicksearch/fsc_quicksearch.cfm and insert the authority reference in item 4 above in the Document ID box and submit.

c. The contractor shall prepare and deliver to the government a draft SPG no later than 60 days prior to the contract end date. The government shall review and provide comments within 30 days. The contractor shall incorporate the governments comments and submit one (1) final "Software Programmers Guide (SPG)" within thirty (30) days after receipt of draft comments.

17. PRICE GROUP: Group I
18. ESTIMATED TOTAL PRICE: Not Separately Priced.

1. DATA ITEM NO.: A008
2. TITLE OF DATA ITEM: Computer Software Product
3. SUBTITLE:
4. AUTHORITY: DI-IPSC-81488
5. CONTRACT REFERENCES: C.4.2, C.4.3
6. REQUIRING OFFICE: AMSRD-TAR-R
7. DD250 REQ: NO
8. APP CODE: N/A
9. DIST. STATEMENT REQUIRED: E
10. FREQUENCY: SEE ITEM 16
11. AS OF DATE: SEE ITEM 16
12. DATE OF FIRST SUB: SEE ITEM 16
13. DATE OF SUBS. SUB: SEE ITEM 16
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Lisa Koski, CONTRACT SPECIALIST
E-MAIL: lisa.m.koski.civ@mail.mil

ACO: Jeffery Seltzer
E-Mail: Jeffery.Seltzer@dcma.mil

15. TOTAL:
16. REMARKS:

a. This Data Item defines the requirements for delivery of software source code and documentation.

b. Complete the guide IAW DID DI-IPSC-81488, "Computer Software Product". The COR is responsible for accepting or rejecting the Computer Software Product. See the data item description (DI-IPSC-81488), at the Internet address below, for instructions on completing the requirement.

Go to: http://assist.daps.dla.mil/quicksearch/fsc_quicksearch.cfm and insert the authority reference in item 4 above in the Document ID box and submit.

c. The contractor shall prepare and deliver to the government the Computer Software Product no later than 60 days prior to the contract end date. The government shall review and provide comments within 30 days. The contractor shall incorporate the governments comments and submit one (1) final " Computer Software Product " within thirty (30) days after receipt of draft comments.

17. PRICE GROUP: Group I
18. ESTIMATED TOTAL PRICE: Not Separately Priced.

***** 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.

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:

Steve Gruenewald, AMSRD-TAR-R, Mail Stop 121
U.S. Army Tank-Automotive Research, Development and Engineering Center (TARDEC)
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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** Changed by Modification P00006

PIIN/SIIN W56HZV-10-C-0383
MOD/AMD P00008
ATT/EXH ID Exhibit A
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