

CONTINUATION SHEET	Reference No. of Document Being Continued	Page 2 of 3
	PIIN/SIIN W56HZV-12-C-0199 MOD/AMD P00017	
Name of Offeror or Contractor: DRS TEST & ENERGY MANAGEMENT, LLC		

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name: RAINA HAYNES
 Buyer Office Symbol/Telephone Number: CCTA-AHP-D/(586)282-7267
 Type of Contract: Cost Plus Fixed Fee
 Kind of Contract: Service Contracts
 Type of Business: Large Business Performing in U.S.
 Surveillance Criticality Designator: B
 Weapon System: Tank, M1 Abrams Family of Vehicles

*** End of Narrative A0000 ***

Program: Bradley and Abrams STS
 Contract: W56HZV-12-C-0199
 Modification: P00017
 Amount of Action: \$0.00
 Total Contract Amount: \$15,808,445.43

1. Contract W56HZV-12-C-0199, Modification P00017 is a bilateral supplemental agreement.
 2. The purpose of this modification is to add work directives revision 1 (IRAQ) for the following work directives:
 - 015 Program Management (ED) IRAQ Tracked Vehicle Intensive Management Office
 - 016 Hardware/Software Sustainment (ED) Iraq Tracked Vehicle Intensive Management Office
 - 017 Field Service Representatives (ED) Iraq Tracked Vehicle Intensive Management Office
 - 020 Field Service Representatives (DSESTS) Iraq Tracked Vehicle Intensive Management Office
- ****At no additional charge to the Government*****
3. As a result of this modification P00017 the total value remains unchanged.
 4. Except as specified above, all terms and conditions of contract W56HZV-12-C-0199 remain unchanged and in full force and effect.

*** END OF NARRATIVE A0014 ***

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Name of Offeror or Contractor: DRS TEST & ENERGY MANAGEMENT, LLC

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 0015	REVISED WORK DIRECTIVES IRAQ			

WORK DIRECTIVE

Description: Program Management (ED) Iraq Tracked Vehicle Intensive Management Office (ITVIMO)
Contract No: W56HZV-12-C-0199
Work Directive No: 015
Revision No: 1
CLIN No: 3001AA
Period of Performance: 1-12 months after contract award

Cost plus Fixed Fee Level of Effort

Hours: 500
Estimated Cost: \$ 76,140.20
Fixed Fee: \$ 6,624.71
Estimated CPFF: \$ 82,764.91

SOW: C.3.5, C.3.7, C.3.9, C.3.11 and C.3.13 CDRL NO: A001, A002, A004, A006, A007 and A009

1.0 PURPOSE:

The contractor shall manage and control resources necessary to ensure timely execution of all contractual requirements in support Iraqis Embedded Diagnostic Systems (ED) on the Abrams M1Tank Family of Vehicles (FoV).

2.0 DESCRIPTION OF WORK:

- 1) The contractor shall provide day-to-day program management, including planning and execution of program meetings, ensuring program compliance with requirements, providing guidance and direction with respect to financial management, project management/scheduling, and subcontract management, coordination and preparation for program meetings and reviews, problem resolution, and review/approval of program data/documents.
- 2) The contractor shall furnish all the labor, services, personnel, travel, equipment, property management, data management, and materials required to accomplish the work efforts as set forth in Scope of Work (SOW) required by this work directive.
- 3) The contractor shall provide cost estimation, document processing, program and technical management requirements, and provide input into work directives.
- 4) The contractor shall manage
 - a. Embedded Diagnostics (ED) System
 - b. Export License
 - c. Request for Deviations (RFDs)
 - d. Engineering Change Proposals (ECPs)
 - e. Validation/Verification (VAL/VER) Summary Report
- 5) Contractor shall share costs among FMS Customers when more than one (1) customer participates in same, like or similar tasks [including Internal Process Reviews (IPRs) and Program Management Reviews (PMRs)]. Contractor shall leverage off previous or current USG development efforts to the maximum extent practicable to minimize redundant activity and expenditures.
- 6) The contractor shall manage the following meetings or events (including meetings with Sub-contractors):
 - a. Start of Work Meeting
 - b. Internal Process Reviews (IPRs)
 - c. Program Management Reviews (PMRs)
 - d. Test Readiness Reviews
 - e. Validation/Verification (VAL/VER) Meeting
- 7) The contractor shall prepare and provide, in contractor format, electronic copies of presentation materials to USG for all meetings managed by the contractor at least seven (7) calendar days prior to conducting the meeting. The contractor shall record minutes and manage action items of the reviews and provide electronic copies to all attendees within seven (7) calendar days after

conducting the reviews. These meetings include the following:

- a. Start of Work Meeting
- b. Internal Process Reviews (IPRs)
- c. Test Readiness Reviews (TRRs)

8) The contractor shall provide the following Contract Deliverable Reports (CDRLs) in accordance with Contract Requirements List:

- a. Monthly Cost Performance and Status Reports (CPSR) IAW CDRL A001
- b. Trip Reports IAW CDRL A002
- c. Request for Deviation IAW CDRL A004
- d. Master Program Plan IAW CDRL A009
- e. Validation/Verification (VAL/VER) Summary IAW CDRL A006
- f. Meeting Minutes IAW CDRL A007

WORK DIRECTIVE

Description: Hardware / Software Sustainment (ED) Iraq Tracked Vehicle Intensive Management Office (ITVIMO)

Contract No: W56HZV-12-C-0199

Work Directive No: 016

Revision No: 1

CLIN No: 3002AA

Period of Performance: 1-12 months after contract award

Cost plus Fixed Fee Level of Effort

Hours: 4,000

Estimated Cost: \$ 568,577.19

Fixed Fee: \$ 49,470.06

Estimated CPFF: \$ 618,047.25

SOW: C.3.13

CDRL NO: A006

1.0 PURPOSE:

The contractor shall provide all required Hardware material and Software Sustainment including maintenance and upgrade installations to support the Embedded Diagnostic Systems for Iraq Abrams M1Tank Family of Vehicles (FoV).

2.0 DESCRIPTION OF WORK:

- 1) The contractor shall furnish all the labor, services, personnel, travel, equipment, property management, data management, and materials required to accomplish the work efforts as set forth in Scope of Work (SOW) required in this work directive.
- 2) The contractor shall notify the COR of all identified software or hardware problems.
- 3) The contractor shall provide all required Hardware and Software sustainment to maintain the Embedded Diagnostic Systems for M1A1 Tanks
- 4) The contractor shall:
 - a. Review and evaluate reported field problems and obsolescence issues.
 - b. Maintain a database that identifies all hardware and software issues that impact the operational availability.
 - c. Validation and Verification test the latest vehicle software to ensure compatibility with the Embedded Diagnostic software and tactical software
- 5) The contractor shall share costs among FMS Customers when more than one (1) customer participates in same, like or

similar tasks. Contractor shall leverage off previous or current USG development efforts to the maximum extent practicable to minimize redundant activity and expenditures.

- 6) The contractor shall deliver:
 - a. A Validation/Verification (VAL/VER) Report IAW CDRL A006
 - b. Plain Language Description (PLD) if different from the US ED PLD

WORK DIRECTIVE

Description: Field Service Representatives (ED) Iraq Tracked Vehicle Intensive Management Office (ITVIMO)
Contract No: W56HZV-12-C-0199
Work Directive No: 017
Revision No: 1
CLIN No: 3003AA
Period of Performance: 1-12 months after contract award

Cost plus Fixed Fee Level of Effort

Hours: 400
Estimated Cost: \$ 48,136.46
Fixed Fee: \$ 4,188.20
Estimated CPFF: \$ 52,324.66

SOW: C.3.2, C.3.4 and C.3.11.2 CDRL NO: A002

1.0 PURPOSE:

The contractor shall provide Field Service Representatives (FSRs) to troubleshoot, maintain, repair, report failures, collect data, installation and training for the M1 Abrams Family of Vehicles Embedded Diagnostics Systems.

2.0 DESCRIPTION OF WORK:

- 1) The FSR shall review and evaluate reported Embedded Diagnostic issues, field problems, and provide maintenance functions.
- 2) The FSR shall answer any technical questions for DRS Engineering efforts.
- 3) The FSR shall resolve Embedded Diagnostic hardware (H/W) and/or software (S/W) field problems in country.
- 4) The FSR shall travel to Iraq. All travel arrangements will be coordinated through and approved by the COR. The purpose of the trips shall be to:
 - a. Install the latest version embedded diagnostic software approved by Government of Iraq (GOI).
 - b. Provide operational training on most recently released version of embedded diagnostic software. This shall include familiarization training with Shop Replaceable Unit (SRU) Fault Isolation (FI) test routines.
 - c. Training packages shall target specific operator shortfalls not covered by organic training.
 - d. At conclusion of each trip, the contractor shall generate a trip report for submission to the COR that provides a detailed status of the embedded diagnostic system on each vehicle base lined. Performance will be measured by the contractors timely submission of the trip report. The trip report shall be submitted to the COR within 30 days of trip completion.
- 5) The FSR(s) shall provide technical advice via telephone or email for resolving embedded diagnostic issues.
- 6) Contractor shall share costs among FMS Customers when more than one (1) customer participates in same, like or similar tasks [Including utilizing FSR support already stationed in surrounding regions to maximum extent possible]. Contractor shall leverage off previous or current USG development efforts to the maximum extent practicable to minimize redundant activity and expenditures.
- 7) The contractor shall prepare and provide a Trip Report, IAW CDRL A002.

WORK DIRECTIVE

Description: Field Service Representatives (DSESTS) Iraq Tracked Vehicle Intensive Management Office (ITVIMO)
Contract No: W56HZV-12-C-0199
Work Directive No: 020
Revision No: 1
CLIN No: 3006
Period of Performance: 1-12 months after contract award

Cost plus Fixed Fee Level of Effort

Hours: 100
Estimated Cost: \$ 12,034.10
Fixed Fee: \$ 1,047.05
Estimated CPFF: \$ 13,081.15

Base Year

SOW: C.3.3, C.3.11.2 and C.3.12 CDRL NO: A002

1.0 PURPOSE:

The contractor shall provide Field Service Representatives (FSRs) to troubleshoot, maintain, repair, report failures, collect data, and training for the M1 Abrams Direct Support Electrical System Test Set (DSESTS), and Software Loader/Verifier (SL/V).

2.0 DESCRIPTION OF WORK:

- 1) The contractor shall review and evaluate reported DSESTS and SL/V issues, field problems, and provide maintenance and repair actions.
- 2) The contractor shall provide advice to Engineering efforts.
- 3) The contractor shall field DSESTS and SL/V hardware (H/W) and software (S/W) updates.
- 4) The contractor shall provide input to engineering change proposals (ECP) for all Class 1 changes affecting form, fit, and function to hardware and software configuration items.
- 5) The contractor FSR(s) shall travel to Iraq. All travel arrangements will be coordinated through and approved by the COR. The purpose of the trips will be to:
 - a. Baseline all DSESTS systems on hand to ensure system functionality.
 - b. Ensure installation of the latest version DSESTS software on all sets.
 - c. Provide operational training utilizing the most recently released version of DSESTS software.
 - d. At conclusion of each trip, the contractor shall generate a trip report for submission to the COR that provides a detailed status of the DSESTS system on each vehicle base lined. Performance will be measured by the contractors timely submission of the trip report. The trip report shall be submitted to the COR within 14 working days of trip completion.
- 6) The contractor shall provide technical support via telephone or email as required for resolving DSESTS issues.
- 7) Contractor shall share costs among FMS Customers when more than one (1) customer participates in same, like or similar tasks [Including utilizing FSR support already stationed in surrounding regions to maximum extent possible]. Contractor shall leverage off previous or current USG development efforts to the maximum extent practicable to minimize redundant activity and expenditures.
- 8) The contractor shall prepare and provide a Trip Report IAW CDRL A002.