

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

Page 1 Of 45

2. Amendment/Modification No.

P00098

3. Effective Date

2004JUL21

4. Requisition/Purchase Req No.

SEE SCHEDULE

5. Project No. (If applicable)

6. Issued By

TACOM WARREN  
AMSTA-AQ-ALEA  
KEN SAUTER (586)574-7269  
WARREN, MICHIGAN 48397-5000  
HTTP://CONTRACTING.TACOM.ARMY.MIL  
EMAIL: SAUTERK@TACOM.ARMY.MIL

Code

W56HZV

7. Administered By (If other than Item 6)

DCMA CENTRAL PENNSYLVANIA-  
HERCULES AND BRADLEY TEAMS  
P.O. BOX 15512  
YORK PA 17405-1512

Code

S4201A

SCD B

PAS NONE

ADP PT HQ0337

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

UNITED DEFENSE, L.P.  
GROUND SYSTEMS DIVISION  
1100 BAIRS ROAD  
PO BOX 15512  
YORK, PA. 17405-1512

TYPE BUSINESS: Large Business Performing in U.S.

Code 06085

Facility Code

9A. Amendment Of Solicitation No.

9B. Dated (See Item 11)

10A. Modification Of Contract/Order No.

DAAE07-01-C-M016

10B. Dated (See Item 13)

2001MAY02

**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)

SEE SECTION G

**13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS**

KIND MOD CODE: G

It Modifies The Contract/Order No. As Described In Item 14.

A. This Change Order is Issued Pursuant To:  
The Contract/Order No. In Item 10A.

The Changes Set Forth In Item 14 Are Made In

B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.)  
Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).

C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of: Agreement of the Parties

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

Contract Expiration Date: 2007JAN31

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)

VITO ZUCCARO  
ZUCCAROV@TACOM.ARMY.MIL (586)574-7076

15B. Contractor/Offeror

15C. Date Signed

16B. United States Of America

16C. Date Signed

(Signature of person authorized to sign)

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

2004JUL21

NSN 7540-01-152-8070

30-105-02

STANDARD FORM 30 (REV. 10-83)

PREVIOUS EDITIONS UNUSABLE

Prescribed by GSA FAR (48 CFR) 53.243

**CONTINUATION SHEET****Reference No. of Document Being Continued****Page 2 of 45**

PIIN/SIIN DAAE07-01-C-M016

MOD/AMD P00098

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

## SECTION A - SUPPLEMENTAL INFORMATION

PROGRAM: Conduct of Fire Trainer (COFT) RECAP for Bradley Vehicles

PURPOSE OF THIS MODIFICATION: To Definitize the COFT Requirement Awarded Under Letter Contract Modification P00085

Except as provided herein, all terms and conditions of the contract remain unchanged and in full force and effect.

Prior COFT Requirement Obligated Amount: \$4,300,000  
Obligated Amount This Action: \$2,185,306  
New COFT Total Obligated Amount: \$6,485,306

1. This supplemental agreement, modification P00098 to Contract DAAE07-01-C-M016, is entered into by and between the Government and United Defense L.P. (the Contractor).

2. The purpose of this modification P00098 is to provide for the definitization of the requirement for 60 Conduct of Fire Trainers (COFTs) for Bradley vehicles, nonrecurring costs (NRE) for this requirement, and simultaneously exercise an option for 6 COFTs (the quantity of 60 COFTs already on contract is increased by 6 COFTs to 66 COFTs). A ceiling amount of \$8,600,000 was established at the time of award of COFT modification P00085, which was awarded on 20 Jan 04. (No-cost modification P00091, awarded on 25 May 04, made a number of administrative changes and corrections to COFT modification P00085). The ceiling amount was \$7,200,000 for 60 COFT units (\$120,000 per unit) and \$1,400,000 for nonrecurring expenses (NRE), also called nonrecurring costs. The total amount obligated under the original requirement on modification P00085 was \$4,300,000, consisting of \$3,600,000 for 60 COFT units (\$60,000 per unit) and \$700,000 for NRE. This obligated amount was 50 percent of the ceiling amount of \$8,600,000.

The COFT requirement is being definitized at a significantly lower amount than the ceiling price. The NRE, which had a ceiling price of \$1,400,000, is being definitized at \$1,372,088. The COFT unit price, exclusive of NRE, is being definitized at \$77,473 per unit, well below the \$120,000 ceiling price. The amount for the 60-unit requirement is \$4,648,380, well below the ceiling price of \$7,200,000. The amount for the 66 units, including the option quantity of an additional six units, is \$5,113,218. The total definitized price for NRE plus 66 COFTs is \$6,485,306. The amount being funded by this action, therefore, is \$2,185,306 (the agreed-to amount of \$6,485,306 less the \$4,300,000 previously obligated for this requirement).

3. Section B of the contract is revised to reflect the increase in obligated amount of \$2,185,306. Previously, \$700,000 for NRE was obligated on sub-CLIN 4000AB; this amount is increased by \$672,088 to \$1,372,088. The amount for the COFT units was previously funded on two sub-CLINs - \$2,700,000 on sub-CLIN 4000AC and \$900,000 on sub-CLIN 4000AD. The increased amount of \$5,113,218 is now funded completely on sub-CLIN 4000AC. Sub-CLIN 4000AD is no longer used; the \$900,000 previously obligated on sub-CLIN 4000AD is deobligated and the entire amount for all 66 COFTs (exclusive of the NRE funding) is funded on sub-CLIN 4000AC.

4. The following three changes are made in Section C, Description/Specifications/Work Statement": In paragraph C.90.5.2, the reference to "PEO STRI" is deleted from the second-to-last sentence. In paragraph C.90.7.2, "Maintenance Training Course", the location and time of the two sessions is specified as Fort Benning in Sep 04 and Germany in late Nov/early Dec 04. Also, in paragraph C.90.1, the last sentence, "All COFT RECAP units shall be of the ODS type" is removed. (This sentence had been added by no-cost modification P00091).

5. In Section E, "34" is added to paragraph E.16.3 as the attachment number.

6. In Section F, the following changes are made to the COFT Delivery schedule at F.22.2: the five COFTs previously scheduled to be delivered to Fort Stewart in Nov 04 are now scheduled to be delivered to Korea in Nov 04; and the five COFTs previously scheduled to be delivered to Korea in Jan 05 are now scheduled to be delivered to Fort Stewart in Jan 05. Also, the delivery date of three COFTs going to Schweinfurt, Germany, and two COFTs going to Vilseck, Germany, is changed from Dec 04 to Jan 05. In the event of a discrepancy in the delivery schedule of Section B and Section F, Section F is the legitimate contract delivery schedule.

7. In Section G, a new G page (attached) is added to reflect the administrative data associated with the \$2,185,306 being obligated by this action.

8. "Bradley COFT RECAP Distribution" serial number list is added to the contract as an attachment.

9. Two items - Headset, CVC, Large (1 ea.) and Headset, CVC, Medium (1 ea.) are added to attachment 1, "Government Furnished Items".

10. This action is on a Firm Fixed Price (FFP) basis.

11. The total contract obligated amount is increased by \$2,185,306.00 from \$1,045,827,499.78 to \$1,048,012,805.78.

12. This modification P00098 represents the complete definitive agreement of the parties and supercedes all previous actions concerning

<b>CONTINUATION SHEET</b>	<b>Reference No. of Document Being Continued</b> <b>PIIN/SIIN</b> DAAE07-01-C-M016 <b>MOD/AMD</b> P00098	<b>Page</b> 3 <b>of</b> 45
---------------------------	---	----------------------------

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

the amount for this requirement. The Contractor, United Defense, in consideration of this modification P00098 acknowledges that any and all claims current and future for adjustment with respect to efforts associated with this action are fully satisfied and discharged. The Contractor further acknowledges that any and all claims current and future for efforts associated with modification P00098 are fully discharged.

\*\*\* END OF NARRATIVE A 103 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued  
 PIIN/SIIN DAAE07-01-C-M016 MOD/AMD P00098

Name of Offeror or Contractor: UNITED DEFENSE, L.P.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
4000AB	<p>SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS</p> <p><u>SERVICES LINE ITEM</u></p> <p>CLIN CONTRACT TYPE:                      Firm-Fixed-Price                      NOUN: COFT RECAP PROGRAM                      PRON: 7246F57572 PRON AMD: 04 ACRN: AY                      AMS CD: 31103450004</p> <p><u>Inspection and Acceptance</u>                      INSPECTION: Destination ACCEPTANCE: Destination</p> <p><u>Deliveries or Performance</u>                      DLVR SCH PERF COMPL  <u>REL CD QUANTITY DATE</u>                      001 0 30-SEP-2006</p> <p style="text-align: right;">\$ 1,372,088.00</p>				\$ 1,372,088.00
4000AC	<p><u>PRODUCTION QUANTITY</u></p> <p>NOUN: BFVS COFT RECAP                      PRON: 7236F58472 PRON AMD: 03 ACRN: AX                      AMS CD: 31103450006</p> <p>The following not separately priced (NSP) CLINs apply to the COFT RECAP requirements:</p> <p>4000AD, Data Items                      4000AE, BATS Software Data Rights                      4000AF, COFT RECAP IUH                      4000AG, COFT RECAP SMM                      4000AH, COFT RECAP Drawings                      4000AI, COFT RECAP Software                      4000AJ COFT Maintenance Training</p> <p>4000AK - OPTION                      Up to 60 COFT RECAP Units (NTE Price - \$120,000 per unit)</p> <p>(Previous option of 6 COFT RECAP units exercised as part of definitization modification P00098)</p> <p style="text-align: center;">(End of narrative B001)</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u></p>	66	EA	\$ 77,473.00000	\$ 5,113,218.00

CONTINUATION SHEET

Reference No. of Document Being Continued  
 PIIN/SIIN DAAE07-01-C-M016 MOD/AMD P00098

Name of Offeror or Contractor: UNITED DEFENSE, L.P.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	INSPECTION: Destination ACCEPTANCE: Destination  <u>Deliveries or Performance</u> DOC SUPPL <u>REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD</u> 001 W80KTY4070D001 Y00000 M 1 <u>PROJ CD BRK BLK PT</u> GBB <u>DEL REL CD QUANTITY DEL DATE</u> 001 5 30-SEP-2004  002 6 31-OCT-2004  003 11 30-NOV-2004  004 10 31-DEC-2004  005 8 31-JAN-2005  006 11 28-FEB-2005  007 9 31-MAR-2005  008 6 30-APR-2005  FOB POINT: Destination  SHIP TO: <u>PARCEL POST ADDRESS</u> (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				
4000AD	<u>PRODUCTION QUANTITY</u>  NOUN: BRADLEY COFT RECAP PRON: 7246F58072 PRON AMD: 03 ACRN: AY AMS CD: 31103450004  <u>Packaging and Marking</u>  <u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin  <u>Deliveries or Performance</u> DOC SUPPL <u>REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD</u> 001 DELETED		EA	\$ 60,000.00000	\$ _____

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

## SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

C.1 RESERVED

## C.2 CONTRACT STRUCTURE

C.2.1 The statement of work for this contract contains requirements for the build of vehicles, kits, and Bradley Training Devices. The statement of work is structured so that paragraphs:

C.1 through C.39	General and apply to all vehicles and kits (Except where annotated)
C.40 through C.49	A3 configuration unique
C.50 through C.59	ODS configuration unique
C.60 through C.69	MLRS configuration unique
C.70 through C.72	Kits/spare unique
C.73 through C.74	MLRS
C.74 through C.79	Reserved
C.80 through C.89	Bradley Advanced Training Systems (BATS) Training Device
C.90 paragraphs	Conduct of Fire Trainer (COFT) Training Device
C.100	Reserved
C.101 through C.104	Bradley OIF Unique

## C.3 GENERAL REQUIREMENTS

C.3.1 The Contractor shall furnish all supplies and services that are necessary to accomplish this contract for the items set forth in Section B, or elsewhere in the contract. The contractor shall provide all technical support as required to include, but not limited to, assisting manufacturing understanding and interpreting drawings and technical data, Material Review Board actions regarding discrepant materials, liaison with STS Contractor design personnel, and maintaining Technical Data required to manufacture the vehicle systems and equipment under this contract. The Government will provide in a timely manner the materials listed in Attachment 1 - Government Furnished Items, to assist in the build of vehicles, training devices and kits required under the contract..

C.3.2 The contractor shall provide failure free vehicles through the hand off. (C.14)

C.3.3 It is recognized that there are A3 performance specification requirements for which full compliance has yet to be demonstrated through vehicle testing, but for which full compliance is anticipated. These include the specification requirements listed below. In the event that subsequent testing, if required, fails to demonstrate full compliance, such requirements shall be addressed in future specification notices, deviations, or waivers. In such cases, the contractor shall not be required to provide any consideration to the Government in exchange for processing and approval of these documents.

- a. 3.1.2.2.5.5.9 Filter Selection
- b. 3.1.2.2.7.3.1.1 Compatability Checking
- c. 3.1.2.2.1 External Target Handoff

C.3.4 It is recognized that there are MLRS A0 performance specification requirements for which full compliance has yet to be demonstrated through vehicle testing, but for which full compliance is anticipated. These include the specification requirements listed below. In the event that subsequent testing, if required, fails to demonstrate full compliance, such requirements shall be addressed in future specification notices, deviations, or waivers. In such cases, the contractor shall not be required to provide any consideration to the Government in exchange for processing and approval of these documents.

- a. 3.1.1.2 Cruising Range
- b. 3.1.3.3 Nuclear Survivability
- c. 3.4 - 3.4.5 Electromagnetic Interference/Compatibility (EMI/EMC)

C.3.5 The BATS trainer configuration and contract price are based on the exception to the BATS performance specification listed in section C.80. FM23-1 dated March 1996 will be used in lieu of the April 2001 version. The 25mm and coax misfire procedures shall be as specified in the operator manual and/or Instructor Utilization Handbook (IUH).

C.3.6 The COFT RECAP configuration and contract price are based on the exceptions to the COFT RECAP specification listed in section C.90.

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

**C.4 VEHICLE TEARDOWN MIX - STARTING CONFIGURATION**

C.4.1 The Government shall provide to the Contractor a mix of A0 or A2 vehicles designated below to be used in the build / remanufacture of Bradley vehicles under this contract. The contractor is allowed to select the most economical means in determining the start configuration of any vehicle delivered under the contract. If the Government exercises options(s) for additional BFV M2ODS vehicles, an A0 vehicle shall be provided as the start configuration. M2A3 vehicles will start with M2 vehicle configurations, M2A2/M3A2 ODS or M3A3 vehicles will start with M3 vehicle configurations.

A0 vehicles a total of 81  
A2 vehicles a total of 452

C.4.2 This clause is not applicable to MLRS vehicles.

**C.5 PAINT REQUIREMENTS**

C.5.1 Bradley vehicles delivered under the contract shall be painted Tan 686, unless the parties agree otherwise. Paint requirements are not applicable to BATS.

C.5.2 MLRS / MLRS carriers delivered under the contract shall be painted with a chemical agent resistance coating with a color of 383 green, unless the parties agree otherwise.

C.5.3 External kit parts delivered under the contract shall be painted Tan 686, unless the parties agree otherwise.

C.5.4 Unique paint requirements for the COFT RECAP shall be identified in the technical data. The contractor shall apply touch-up to match the existing COFT.

**C.6 VEHICLE SERIALIZATION REQUIREMENTS**

C.6.1 The Contractor shall maintain a vehicle serial numbering system as listed below and in accordance with the Contractor's current practice. The contractor shall provide to the Government the new numbers and their corresponding vehicle when the numbers are assigned. The remanufactured vehicles data plates and the existing vehicle serial number on the flange final drive/horse collar shall be modified accordingly.

- a) M2A3 sequentially beginning with number 2AGR0162Y
- b) M3A3 sequentially beginning with number 3AGR0052Y
- c) M2A2ODS sequentially beginning with number 2ADR0537Y
- d) M3A2ODS sequentially beginning with number 3ADR4026Y
- e) MLRS Sequentially beginning with number 4AA01059
- f) MLRS A1 Sequentially beginning with number 4AA01078 up to 4AA01087
- g) M3A3 BFIST Sequentially beginning with number 7AGR0003Y
- h) M7 BFIST To be provided
- i) M3A2 OIF - RM12488247-OIF

C.6.2 COFT RECAP data plates shall be modified sequentially with new serial numbers in accordance with the criteria provided below:

Model	Version	From	To	Version	From	To
Mobiles	(A1) A2	3000	3099	A2 ODS	3100	3199
Unit	(A1) A2	3200	3299	A2 ODS	3300	3399
Institutional	(A1) A2	3400	3499	A2 ODS	3500	3599

**C.7 CLASS I/II OZONE DEPLETING SUBSTANCES (CIODS)**

C.7.1 The Contractor is prohibited from using any of the specifications, standards or substances requiring the use of CLASS I or CLASS II Ozone Depleting Substances during the manufacture of vehicles unless a Government certification for use is granted. The following CLASS I/CLASS II Ozone Depleting Substances have been approved for use under this contract. The approval(s) does not waive any other law, regulation, requirement or criteria relating to the use of the CIODS the Contractor may be required to comply with.

- a) Halon 1301 (Halon is not applicable to MLRS)

**C.8 YEAR 2000 (Y2K) COMPLIANCE**

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

Page 8 of 45

PIIN/SIIN DAAE07-01-C-M016

MOD/AMD P00098

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

C.8.1 The Contractor shall ensure that products provided under this contract whether acting alone or combined as a system, are able to accurately process date/time data (including, but not limited to, calculating, comparing, and sequencing) from, into, and between the twentieth and twenty-first centuries, and the years 1999 and 2000 and leap year calculations to the extent that other information technology, used in combination with the information technology being acquired, properly exchanges date/time data with it. This includes interfaces with standard military products [such as the Global Positioning System] which use DoD approved interface formats.

C.8.2 In the event that this contract calls for the delivery of any data processing hardware, software and/or firmware (to be referred to as information technology), such deliverables shall be required to perform accurate date/time processing involving dates subsequent to July 31, 1999 for purposes of interfacing with the military Global Positioning System and subsequent to December 31, 1999 for all other purposes. The information technology shall be Year 2000 compliant upon delivery; or any non-compliant information technology shall be upgraded to be Year 2000 compliant prior to the earlier of (i) the earliest date on which the information technology may be required to perform date/time processing involving dates later than July 31, 1999 for purposes of interfacing with Global Positioning System or December 31, 1999 for other purposes, or (ii) July 31, 1999 for products that interface with the military Global Positioning System or December 31, 1999 for all other products.

- a. Contractor responsibility under this clause is limited to information technology for which it is solely responsible. Government Furnished Information Technology (GFIT) provided under this contract as well as any other Government furnished or controlled hardware, software or firmware with which Contractor products must interface is expressly excluded.
- b. To the extent that current government approved designs require modification to achieve such compliance, appropriate engineering change proposals will be processed in accordance with the applicable contract. Replacement of previously delivered products or components, if required by the Government, will be accomplished under the Changes clause and the contract price and/or schedule will be equitably adjusted.
- c. Definition. Year 2000 compliant means information technology that accurately processes date/time data (including, but not limited to, calculating, comparing, and sequencing) from, into, and between the twentieth and twenty-first centuries and the years 1999 and 2000 and leap year calculations. Furthermore, Year 2000 compliant information technology, when used in combination with other information technology, shall accurately process date/time data if the other information technology properly exchanges date/time data with it.

**C.9 DATA REQUIREMENTS AND REPORTS**

C.9.1 The Contractor shall prepare technical data and/or reports in the format and scope specified in the applicable Data Item Description (DD forms 1664), or as described elsewhere in the contract. The required information shall be furnished to the Government in accordance with the requirements of the Contract Data Requirements List (DD Forms 1423) or as specified in the contract. The Contract Data Requirement Lists (CDRLs) are at Exhibit A.

C.9.2 All data and reports shall be submitted by e-mail or other electronic means acceptable to the Government. Proprietary data/export control data submitted by the Contractor may be submitted via a computer disk.

**C.10 WAIVERS AND/OR DEVIATIONS**

C.10.1 Applicable waivers and deviations approved for vehicles, training devices, or kits delivered under the contract are listed at Attachment 2.

**C.11 SPECIALTY ENGINEERING-SYSTEM SAFETY PROGRAM**

C.11.1 System Safety Program. The Contractor shall maintain a system safety program, in accordance with MIL-STD 882. The Contractor shall maintain a listing of Material Safety Data Sheets identifying all hazardous material required for operating, storing and sustaining the vehicle and its support items. The Contractor shall immediately make the list available to the Government, if requested.

**C.12 CONFIGURATION MANAGEMENT**

C.12.1 Configuration Management System. The Contractor shall operate and maintain a configuration management (CM) and control system throughout the period of performance of this Contract per United Defense's CM plan. Any change to the CM plan must be reviewed by the Government to ensure that adequate practices are used that are acceptable to the Government's procurement processes. Copies of all changes shall be provided to the PCO in the form of a revised CM plan. If there are discrepancies between the CM Plan and the requirements / provisions of this contract, the contract requirements / provisions shall prevail.

C.12.1.1 The Government reserves the right to review contents and verify the accuracy of the Contractor's configuration control system

<b>CONTINUATION SHEET</b>	<b>Reference No. of Document Being Continued</b>	<b>Page 9 of 45</b>
	PIIN/SIIN DAAE07-01-C-M016	MOD/AMD P00098
<b>Name of Offeror or Contractor:</b> UNITED DEFENSE, L.P.		

at any time during the Contract.

C.12.2 Product Configuration Identification. All performance/product specifications, product drawings, CAD drawings/models, approved changes, Remanufacture documents, software documentation used for design and production of a vehicle and training devices shall constitute the Product Configuration Identification (PCI) for that system.

C.12.3 Rights to Technical Data. All PCI data created or obtained from this or previous Contracts for use in the performance of the work designated by the Government shall be available with unlimited rights as described in clause 252.227-7013 (Defense Federal Acquisition Regulation). The Government shall have access to such data at all times.

C.12.3.1 Technical data generated for this contract shall be adequate for competitive acquisition. Any changes developed under this contract shall include all activities through incorporation of changes into the drawing package. Deliveries of any drawings/TDPs unless specified otherwise shall be made under the Bradley Systems Technical Support (STS) contract. All new drawings shall be prepared as Computer Aided Design (CAD) drawings. Drawings for the BFVS COFT RECAP may be prepared using PRO-E.

C.12.3.2 The Contractor shall, to the best of their ability, attempt not to prepare data for components or items for which Government released data exists.

C.12.4 Design Constraints - The PCI baseline for the start of this contract is represented by the following:

a) The M2A3 baseline shall be represented by drawing RM87T0010-R2 and RM87T0010-R4 , plus applicable drawings contained in the UDLF Production Drawing List dated 3/10/01, plus all ECPs and EOs listed in Attachment 3.

b) The M3A3 BFIST baseline shall be represented by drawing RM12466201-R9, plus applicable drawings contained in the UDLF Production Drawing List dated 6 June 2003, plus all ECPs and EOs listed in Attachment 5.

c) The M2A2 ODS baseline shall be represented by drawings RM87T0004-R3, and (RM87T0004-R5, released), plus applicable drawings contained in the UDLF Production Drawing List dated 4 September 2003, plus all ECPs and EOs listed in Attachment 3.

d) The MLRS M993 baseline shall be represented by drawing 8750045, Revision T, dated 16 June 1999, plus any applicable ECPs and EOs listed in Attachment 3.

e) The MLRS M993A1 baseline (87T0078) shall be represented by the United Defense Production Drawing List that includes drawing 8750045, Revision T, plus ILMS Kits referenced in 57K1561 less the non-essential A0 parts, plus any applicable ECPs and EOs listed in Attachment 3.

f) The BATS baseline shall be represented by the Bradley A3 Gunnery Training System Specification ORL-BPD9000 revision C.2a dated February 2002 as modified by the list of exception set forth under paragraph C.80 and the vehicle software baseline VVID 6.02, the technical scope submitted by UDLF under ORL-BPD-9168 dated 18 Sep 02, and the Indentured Parts List applicable to production of BATS unit #14 (Also identified as Production unit #1 under CLIN 2030 of the contract)..

g) The M3A2 ODS baseline shall be represented by drawings RM87T0005-R3, and (RM87T0005-R5, RELEASED), plus applicable drawings contained in the UDLF production Drawings list dated 4 September 2003, plus all ECPs and EOs listed in Attachment 3

h) The COFT RECAP baseline shall be represented by:

- 1) DRAFT Performance Specification for M2A1 and M2A2 ODS Unit of Conduct Fire U-COFT dated 09 Jan 2004, rev 2 (Specification number pending assignment by PEO STRI).
- 2) BATS Software Baseline at time of COFT RECAP award; and
- 3) COFT RECAP Interface Drawings from existing COFT TDPs

i) The M7 BFIST baseline shall be represented by drawing RM87T0023-R7 dated 15 May 2000, plus any applicable ECPs and EOs listed in Attachment 3.

j) The M3A2 OIF baseline shall be represented by drawing RM 12488247-OIF, plus applicable drawings contained in the UDLF production drawings list dated (TBD), plus all applicable ECPs and EOs listed in Attachment 3.

C.12.4.1 For the categories of Contractor-controlled changes set forth below, the Contractor shall provide notification/documentation for approval to the Government. The categories are:

C.12.4.1.1 Replacement of any support item with another item. This constraint applies only to changes affecting interchangeability. Items that fall into this category are:

- a. Repair and Spare Parts
- b. Repair Kits

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

Page 10 of 45

PIIN/SIIN DAAE07-01-C-M016

MOD/AMD P00098

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

## c. Tools/Support Equipment/Training Devices

C.12.4.1.2 Changes which impact MANPRINT (Safety, Health Hazards, Soldier Survivability, Human Factors, Personnel, Manpower, Training).

C.12.4.1.3 Changes which impact testability.

C.12.4.1.4 Interface Control Documents and DSESTS LRU test strategy reports. DSESTS LRU test strategy reports required for A3 only.

C.12.4.1.5 Changes in the remanufacture process utilizing a remanufactured part in place of a new part.

C.12.4.2 The Government will provide written notification to the Contractor within twenty (20) working days of a documented submission (notification to approve a change) of its (1) nonconcurrency or (2) an estimated date when a decision will be rendered. If the Government does not respond within the twenty (20) day period, the notification is considered approved.

C.12.5 The Contractor shall coordinate change concurrence with Design Authority for any PCI data not under their custodianship.

## C.13 CONTRACT QUALITY SYSTEM/PRODUCT ASSURANCE PROGRAM PLAN

C.13.1 The Contractor shall implement and maintain a Quality System, as defined by the Product Assurance Program Plan (PAPP), that ensures compliance to the contract requirements. A copy of the plan is located as Attachment 4 to the contract. Changes to the plan require Procuring Contracting Officer (PCO) approval. If there are discrepancies between the plan and the requirements/provisions of the contract, the contract requirements shall prevail.

C.13.1.2 Exceptions to the PAPP apply to the UDLP Orlando facility. These exceptions are specified under the Product Assurance Program Plan for United Defense, L.P. Simulation/Training Systems Group, Document no. ORL-PLN-0001 dated 20 January 2004 (Attachment 4-b).

## C.14 HANDOFF REQUIREMENTS

C.14.1 Fielding: The Contractor shall provide fielding support in accordance with their Material Fielding Agreement (MFA) in effect at time of award. Any change to the MFA must be reviewed by the Government to ensure that adequate practices are used that are acceptable to the Government. Copies of all changes shall be sent to the PCO and the ACO in the form of a revised MFA. If there are discrepancies between the MFA and the requirements/provision of this contract, the contract requirements/provisions shall prevail.

C.14.2 Vehicle Acceptance: The Contractor is responsible for providing vehicles meeting the requirements of the performance specification. The final Material Inspection and Receiving Report (DD Form 250) will be signed upon Government acceptance at the fielding or test site immediately after vehicles are issued to the gaining unit, with the exception of test vehicles. For test vehicles the DD form 250 will be issued following test. The maximum duration of each Follow-on Production Test (FPT) is estimated to be four (4) months and the maximum duration of each Extended Follow-on Production Test (EFPT) is estimated to be eight (8) months. If the tests are not completed within these time frames and no vehicle performance issues have been encountered (reference paragraph C.25.2), then the DD form 250 will be executed by the PCO prior to completion of the test.

C.14.3 Issuance Date: The Contractor shall continue to support and repair/correct the vehicles through the issuance date and completion of the DD Form 250. On the issuance date, the gaining unit shall be provided access to the vehicle to begin Operator New Equipment Training (OPNET) and complete initial Preventive Maintenance Checks and Services (PMCS), during which time the Contractor shall not be liable for injury to soldiers unless due to negligence on the Contractor's part.

C.14.4 Coordination for facilities, support equipment and any other Government required actions needed by the Contractor to meet the final acceptance of vehicles by the gaining unit will be accomplished jointly by the Contractor and the Government (to include the gaining unit) as an action taken during the normal new material introductory briefing process, which occurs 360, 180, and 90 days prior to the actual handoff.

C.14.5 The requirements of C.14 do not apply to the MLRS carriers, Training Devices, or Kits. For MLRS Carriers and Kits, the DD 250 shall be signed at United Defense, York, Pennsylvania and Santa Clara, California, respectively.

C.14.5.1 The DD250 requirements for MLRS 600HP KITS for CLIN 3028AA, 3028AB, and 3028AC, 3028AD, 3028AE shall be signed at United Defense, York, Pennsylvania.

C.14.5.2 The DD 250 requirements for training devices are provided in section C.80 and C.90 of the contract.

C.14.6 FY02 kits listed in Exhibit B will be DD250'd, less hardware, and remain at supplier's until required with a withhold of \$51,000. The contractor may bill for this withhold after vehicle deliveries.

## C.15 STANDARD GFM DISPOSITION INSTRUCTIONS - FAYETTE

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

Page 11 of 45

PIIN/SIIN DAAE07-01-C-M016

MOD/AMD P00098

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

C.15.1 The Contractor shall dispose of/ship parts or assemblies/subassemblies in accordance with Attachment 5, Standard GFM Disposition Instructions. The Contractor is authorized to scrap material, which will not be reported through the normal plant clearance procedures and will be sold separately as scrap and proceeds returned to:

Finance and Accounting Division  
U.S. Army Tank-automotive and Armaments Command  
ATTN: Disbursing Branch (AMSTA-EFD)  
Warren, Michigan 48397-5000

C.15.2 The Contractor, in accordance with current maintenance management update, shall prepare DA Forms 2407/407-1 or DA Form 5504 for each remanufactured vehicle and for the application of each modification.

C.15.3 It is recognized by the parties that costs for the packaging, handling and transportation of materials to be shipped listed in accordance with Attachment 5 (except for items to be scrapped) have been excluded from the price of this contract.

C.15.4 This clause C.15, is not applicable to MLRS vehicles, BATS, or ODS Digitization Kits.

C.15.5 Disposition instructions for material removed from COFT are provided in section C.90 of the contract.

**C.16 GOVERNMENT MATERIAL REPORTING**

C.16.1 The Contractor, upon receipt of Government owned assets will perform an inventory (with DCMC oversight/guidance) and inspection within ten (10) working days. Contractor shall provide notification of receipt to the Government in Contractor format as guidance, described in DI-MGMT-80389A, and Report of Government Furnished Material, described in DI-L-10331, CDRL A006. These two requirements may be submitted as a single report.

C.16.2 Report of Shipping (Item) and Packaging Discrepancy. This report will be provided to the Government by the Contractor on an as needed basis when GFM is received which does not agree with information on the shipping document, and when vehicles are found to have transportation damage. This report will be in the format described in DID DI-MGMT-80503 and CDRL A004.

C.16.3 A GFM Consumption Report shall be provided in accordance with CDRL A005 (not applicable to COFT RECAP).

C.16.4 Components listed in Exhibit B used in the build of FY03 ODS vehicles are exempted from GFM reporting and tracking.

**C.17 INTEGRATION OF GOVERNMENT FURNISHED MATERIAL/COMPONENTS**

C.17.1 The requirements of C.17 do not apply to MLRS Carriers, BATs and Kits.

C.17.2 The Government will furnish technical representatives to support the integration, test and repair of Government furnished HTI-B Kit/IBAS/T2SS components supplied by their respective sources to assist in troubleshooting, perform limited repair in-plant and assist in evacuating failed hardware which cannot be repaired in-plant. The Contractor shall provide a suitable test and repair facility for the technical representatives to include the use of the turret simulator known as the "hot mock-up". All repairs on hardware performed at UDLP shall be accomplished by the authorized Technical Representative (TR) for that component.

C.17.3 In the event that the Government furnished material/components is determined to be faulty and in need of repair, the item shall be dispositioned to the on-site technical representatives for evaluation, repair or disposition recommendation. Those units which cannot be repaired by the technical representative are returned to United Defense. United Defense shall coordinate disposition of this material through the Government Property Administrator. Upon direction of the Administrator, the Contractor shall pack and ship to the appropriate suppliers' facility. Shipping charges are paid by the supplier.

C.17.3.1 In the case of COFT RECAP, the contractor shall contact the on-site PEO-STRI Logistic Support Contractor.

**C.18 TRANSPORTATION OF WEAPONS**

C.18.1 The requirements of C.18 do not apply to the MLRS Carriers, Training Devices, or Kits.

C.18.2 Solely for purpose of transporting of weapons with the vehicles, the weapons shall be considered Government Furnished Property. The parties to this contract acknowledge that Government owned weapons (25MM guns) are provided to United Defense under this contract for the purpose of remanufacturing the gun to an enhanced configuration. United Defense agrees and acknowledges that the re-manufactured guns shall be treated as a contractor furnished item for all purposes except for vehicle transportation.

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

Page 12 of 45

PIIN/SIIN DAAE07-01-C-M016

MOD/AMD P00098

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

## C.19 STORAGE OF MATERIAL FOR THIS and/or FUTURE CONTRACTS

C.19.1 The contractor has acquired at the direction of the Government material listed below due to potential obsolescence of the item/material. The contractor agrees to store these items under this contract and future contracts, until such times as the items are required to support current/future contracts or until such time as the Government give disposition instructions.

C.19.2 All Contractor acquisition costs including any material costs and/or costs for storage of these items were included in the price of the prime contract the items were acquired under. These prime contracts are listed after the item below. Fee/profit was not included in the negotiated price, therefore the Contractor has the right to include fee for any item used on this contract or future contracts.

C.19.3 The material shall be treated as contractor furnished material when used under any United Defense-US Government prime contracts. The Government reserves the right to take possession of the item(s) at any time. The contractor shall not use the item(s) listed below on this contract or any other contract without expressed written authorization by the PCO for this contract. If such an authorization is made prior to award of a contract, the initial contract price shall include an adjustment for fee. When the authorization is made following an award of a contract, the contract shall be adjusted for an equitable adjustment of the fee.

## C.19.4

Quantity	Item	P/N	Contract Acquired Under	Current Accountable Under
a) 700 Each	SIPEX Computer Chip	HS9342B	DAAE07-00-C-M002	DAAE07-01-C-M016
300 Each	SIPEX Computer Chip	HS9342B		DAAE20-02-G-0004

Note: The Government authorizes UDLF to transfer Government Furnished Material (GFM) 300 SIPEX chips (P/N HS9342B) from contract DAAE07-01-C-M016 to contract DAAE20-02-G-0004. The chips are currently accountable under contract DAAE07-01-C-M016 and transfer of these 300 chips to contract DAAE20-02-G-0004 at no cost to the Government.

b) 2,200 Each	Intel 2MB Flash Memory	12900710/DT28F016SA-100		DAAE07-95-C-X030
---------------	------------------------	-------------------------	--	------------------

Note: Contractor has authority to use 389 A3 vehicle sets under this contract of items (a) and (b) above.

## C.20 ENGINES

C.20.1 The parties to the contract acknowledge that the vehicle(s) delivered under the contract shall contain engines that are either (a) Contractor furnished (new), (b) Government furnished (new), or (c) used Government engines that were re-manufactured and delivered as contractor furnished-remanufactured engines.

C.20.2 Contractor Furnished-New: All MLRS vehicles acquired under this contract shall be delivered with new contractor furnished engines.

C.20.3 Government Furnished-New: For the Government furnished new engines provided, the Contractor shall upgrade the furnished 600 HP VT903-600T engines with the PT fuel pumps, as defined in Mod Kit 80122-423362.

C.20.4 Contractor Furnished Remanufactured Engines: Used Government owned engines may be provided to the Contractor for remanufacture. The used engines are located at the Contractor's Fayette County, Pennsylvania facility. The Contractor shall be responsible for any required shipment of engines from this site.

C.20.4.1 The Contractor shall remanufacture the Government owned 600 HP VT903-600T engines. The engines shall be remanufactured to the latest White Smoke Reduction configuration, with the new spring coupler design, and shall meet performance specifications established by Cummins Engine Company, Incorporated, for the Cummins Recon Engine Program.

C.20.4.2 The Government recognizes that the Contractor has a subcontract for remanufacture of engines and the manufacture of new engines. This agreement is a commercial contract. The parties to the contract acknowledge that components used to remanufacture and/or manufacture new engines are exempt from the General Provision of the contract titled "Preference for Domestic Specialty Metals (Alt 1)". The Contractor shall pass through to the Government any engine warranty provided by its subcontractor.

## C.20.5 Engine Requirements

C.20.5.1 A3: The Government shall provide 346 new engines as Government Furnished Material. These 346 new engines will be used for A3 vehicles only. All engines required beyond 346 shall be provided as used Government engines for Contractor remanufacture. The

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

Contractor shall determine the most economical means of providing vehicles with new or remanufactured engines.

C.20.5.1.1 If the contract is not converted to a multiyear contract by September 4, 2001, the number of engines supplied by the Government shall be reduced to a quantity mutually agreed upon by the parties to this contract.

C.20.5.2 MLRS: All vehicles shall be delivered with new contractor furnished engines.

C.20.5.3 ODS: All vehicles, including optioned vehicles, shall be provided with remanufactured engines.

C.20.6 Cummins 600HP Remanufactured Engines, P/N: 12358911-1R (NSN: 2815-01-423-0929) awarded under Modification P00058 of the Multi-year Corporate Contract DAAE07-01-C-M016 will be handled as Government Owned Material. This material will be identified in both the proposal and BOMs as Government Owned Material and will have material handling applied. Since this material was purchased by UDLP, it will be treated as purchased material and any latent defect found during production will be handled through the normal NCR process and will not be dispositioned on a PQDR.

#### C.21 TRANSMISSIONS

C.21.1 Used Government-owned Transmissions shall be provided to the Contractor for remanufacture. They are located at the contractor's Fayette County site. The Contractor shall be responsible for shipment of the Transmissions.

C.21.2 Transmissions. The Contractor shall remanufacture the government owned HMPT 500RX Series Transmissions. Except for MLRS, the transmissions shall be remanufactured to the HMPT 500-3ECB configuration (PN 12446500) in accordance with the BRADLEY FIGHTING VEHICLE TRANSMISSION REMANUFACTURE PROGRAM A0 to A3 Remanufacture Document #328A5298 created by General Dynamics. A copy of this document is in the possession of both parties.

C.21.3 This clause C.21, is not applicable to MLRS carriers.

C.21.4 The remanufactured transmission and turret drive price reflects the existing process, which is currently under a joint review. The contractor shall be allowed to submit an adjustment proposal reflecting the revised process/scope of work once it is adopted. The Turret Drive and Transmission issue shall be satisfactorily resolved by 30 September 2004 or the Contracting Officer may make a unilateral determination to incorporate the revised procedures into the contract requirements.

#### C.22 WEAPONS IN EXCESS OF VEHICLE REQUIREMENT

C.22.1 Under the contract and under prior BFV production Contract DAAE07-00-C-M002, the Government is providing Government-owned 25MM guns for remanufacture to an enhanced configuration. Under Contract DAAE07-00-C-M002, the Government is providing a quantity of guns that exceed that contract's requirements. Likewise, under this contract, the Government will provide guns in excess of the contract requirement. The excess guns shall act as a float in case the Contractor receives a weapon that is not economical to remanufacture.

C.22.2 If upon completion of Contract DAAE07-00-C-M002 excess guns are available, they shall be used against the gun requirement of this contract. Upon completion of this contract, the Government will provide direction to the Contractor to roll excess guns, if any, into a follow-on contract or provide disposition instructions.

C.22.3 This clause, C.22, does not apply to the MLRS vehicles.

#### C.23 MEETINGS AND MEETING MINUTES

C.23.1 The Contractor shall be responsible for providing meeting minutes for joint Government-Contractor meetings, such as Joint Program Reviews and Management Reviews. The minutes may be submitted in Contractor format. The Contractor shall provide a copy of the minutes to each attendee, CDRL A003, that provides an electronic address at the meeting. Additional copies shall be provided to the PCO and ACO.

#### C.24 OBSOLESCENCE

C.24.1 The Contractor shall have sole responsibility for the screening and subsequent replacement and or redesign of a substitute part/system required due to parts becoming unavailable/obsolete. This shall include all components and parts under this contract to include parts that are common with other systems. This effort is limited to parts availability/obsolescence issues that directly impact the Contractor's ability to build vehicles under this contract and does not include effort to address identified issues that only impact future contracts. The Contractor shall notify the Government of any procurement activity to remedy obsolescence shortages for the period of performance of this contract.

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

Page 14 of 45

PIIN/SIIN DAAE07-01-C-M016

MOD/AMD P00098

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

C.24.1.2 In the case of COFT RECAP the Contractor's responsibility shall be restricted to the RECAP components and not to the pre-existing COFT comments.

**C.25 SYSTEM PERFORMANCE RESPONSIBILITY**

C.25.1 The Contractor shall meet all the performance requirements of the system specifications (provided as Attachments 6 for M2A3/M3A3, Attachment 7 for M2ODS/M3ODS, Attachment 8 for MLRS, and Attachment 16 for BATS and Attachment 22 for COFT RECAP). The Government's means of evaluating the vehicle performance will be through the Final Inspection Record (FIR), vehicle control tests, the Follow-on Production Test (FPT) and the Extended Follow-on Production Test (EFPT).

C.25.2 Follow-on Production Testing/Extended Follow-on Production Testing (FPT/EFPT): FPT/EFPT shall be performed on selected vehicles in accordance with Appendix A of the Product Assurance Program Plan. The Contractor is responsible to meet the performance specification and for correcting all critical and systemic shortcomings discovered through these tests.

C.25.3 This clause, C.25, is not applicable to Kits delivered under the contract.

C.25.4 The contractor is authorized to obtain test support/services at DOD rates from MRTFB installations as government furnished services.

**C.26 TEST VEHICLE REFURBISHMENT/DEPROCESSING - COST REIMBURSEMENT**

C.26.1 Following the completion of Follow-on Production Test (FPT) and Extended Follow-on Production Test (EFPT) the Contractor shall refurbish test vehicles to a "ready to issue" state. Determination of "ready to issue" may vary dependent on the final destination of the vehicles. The Contractor is responsible for shipping vehicles from the test sites to their designated refurbishment location. The Government will provide the items listed in Attachment 1, Government Furnished Material to support refurbishment. Refurbishment shall include, but is not limited to the items listed below.

- a) Change out track, pads, roadwheels, suspension sprockets
- b) adjustments to engines, XM, TDS, CIV, EFW and other major components, as needed
- c) replace oils, lubricants and filters
- d) repaint vehicles interior and exterior
- e) ensure vehicles are operational and prepared for turn over to units

C.26.2 Following refurbishment the Contractor shall ship the vehicles to a site designated by the Government, then deprocess the vehicles.

C.26.3 All effort under paragraph C.26 shall be paid under a cost reimbursement CLIN of the contract.

C.26.4 This paragraph is not applicable to MLRS vehicles and FY03 ODS vehicles or training devices.

**C.27 ECONOMIC ORDER QUANTITIES (A3)**

C.27.1 The Government, in order to achieve economic lot purchases and more efficient production rates under this multiyear contract, has provided economic order quantity funding for the following items:

Vendor	Part Number	Item
a) Lau Technology	12466008	A3 Distribution Box
b) Lau Technology	12956548	System Control Panel Assembly
c) Lau Technology	12956661	Gun Control Unit Assembly
d) Lau Technology	12462072	Power Control Module
e) Lau Technology	12956699	Signal Distribution Box
f) Lau Technology	12478599	Power Control Assembly
g) Lau Technology	12478582	Hull Power Box
h) Lau Technology	12956552	Turret Power Box
i) Lau Technology	12986235	External Training Assembly
j) Lau Technology	12956550	Gunner's Sight Assembly
k) Lau Technology	12956549	Commander's Sight Assembly
l) Korry	12956547	Commander's Data Entry Tool
m) CDC	BFV00055	Bal Software
n) ILC	12471762	Quick Disconnect
o) Hunter	E5-19-7435	Gas Filter
p) Timet	BFV00060	Titanium
q) Timet	BFV00061	Titanium

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

Page 15 of 45

PIIN/SIIN DAAE07-01-C-M016

MOD/AMD P00098

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

r) Litton	12956545	Slip Ring
s) Avnet	ST486DX4V10HS	486 Processor Card
t) On-Semi/Mintco	MTC100N10E	MOSFET for TDCU Power Amp

## C.28 MANDATORY USE OF CONTRACTOR TO GOVERNMENT ELECTRONIC COMMUNICATION

C.28.1 All references in the contract to the submission of written documentation shall mean electronic submission.

C.28.2 This shall include all written unclassified communications between the Government and the Contractor except contract awards and contract modifications which shall be posted on the internet. Return receipt shall be used if a commercial application is available. Classified information shall be handled in full accordance with the appropriate security requirements.

C.28.3 In order to be contractually binding, all Government communications requiring a Contracting Officer signature must be sent from the Contracting Officer's e-mail address. The Contractor shall designate the personnel with signature authority who can contractually bind the Contractor. All binding contractor communication shall be sent from this Contractor e-mail address(es).

C.28.4 Upon award, the Contractor shall provide the Contracting Officer with a list of e-mail addresses for all administrative and technical personnel assigned to this contract.

C.28.5 Unless exempted by the Procuring Contracting Officer in writing, all unclassified written communication after contract award shall be transmitted electronically.

## C.29 DEMILITARIZATION

C.29.1 Items called out under this contract are classified as military items. Therefore, the following instructions for the disposal of completed or partially completed parts, assemblies, subassemblies, and end items apply. Property (whether title to the property is with the Government or not and including parts, components, subassemblies and assemblies) covered by this contract for which the contractor does not claim or is refused payment (including, but not limited to, rejects or overruns) under the provisions of the contract, but which is manufactured, fabricated, assembled or produced in connection with items covered by this contract will be completely destroyed or mutilated (whichever is prescribed) so as to be nonreclaimable for its original purpose and to preclude the possibility of reconditioning to make it saleable as an implement of war.

C.29.2 Demilitarization is required in accordance with current demilitarization requirements. These requirements can be obtained through the Federal Logistics Information Service or Fed Log.

C.29.3 Demilitarized items shall be destroyed at the contractor's facility by the contractor. No item demilitarized shall be disposed of by the contractor other than as scrap. If there is a discrepancy between the requirements of this clause and the Standard Disposition Instruction of the contract, this clause shall take precedence.

C.29.4 This clause shall be included in all applicable subcontracts.

C.29.5 Demilitarization items under this contract are as follows:

a) Profile Gear Final Drives

## C.30 SMALL AND SMALL DISADVANTAGED BUSINESS AND HUB ZONE GOALS

C.30.1 In execution of Contract DAAE07-01-C-M016, the Contractor agrees to set aside a minimum of \$77,000,000 of the total contract dollars for Small Business. The Contractor also agrees to meet goals in effect in program years 2001, 2002 and 2003 for subcontracting with Hub Zone Businesses, Small Disadvantaged Businesses and Women-owned Small Business Concerns, as outlined in its subcontracting plan. These goals were also incorporated into the subcontracting plan approved on 26 May 2004.

## C.31 BFV Vehicle Improvements (ODS)

C.31.1 Cargo Hatch Improvement. The contractor shall design and validate a concept to stiffen the Cargo Hatch hinge area to prevent cracking, prepare changes to production documentation, and acquire and install the redesigned parts in production vehicles.

C.31.1 Rear Idler Improvement. The contractor shall design and validate a concept to stiffen the rear left and right idler mounting area to prevent cracking, prepare changes to production documentation, and acquire and install the redesigned parts in production vehicles.

## C.32-C.39 RESERVED

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

## BRADLEY - A3 VEHICLE UNIQUE REQUIREMENTS

## C.40 VEHICLE REQUIREMENTS

C.40.1 M2A3 vehicles shall be torn down and manufactured in accordance with RM87T0010-R2 for vehicles A2 to A3, or RM87T0010-R4 for vehicles A0 to A3, and the Performance Specification for Infantry Fighting Vehicle (M2A3) and Cavalry Fighting Vehicle (M3A3) 19207-12465518, dated Jan 26, 2001. The Performance Specification for M2A3 vehicles is Attachment 6 to the contract.

C.40.1.1 The Contractor shall prepare and update any required RM drawings and work instructions in accordance with the CM process for Contractor controlled drawings as required for production of the M2A3 vehicles.

C.40.2 M3A3 vehicles shall be manufactured in accordance with RM87T0011-R2 for vehicles A2 to A3, or RM87T0011-R4 for vehicles A0 to A3, and the Performance Specification for Infantry Fighting Vehicle (M2A3) and Cavalry Fighting Vehicle (M3A3) 19207-12465518, dated January 26, 2001. M3A3 BFIST vehicles shall be manufactured in accordance with RM 12466201-R9 for vehicles A2 to A3, and the M3A3 Bradley Fire Support Vehicle Fire Support Functionality, the Performance Specification, which is Annex 10 to the M3A3 Performance Specification dated 3 June 2003.

C.40.2.1 The Contractor shall prepare and update any required RM drawings and work instructions in accordance with the CM process for Contractor controlled drawings as required for production of the M3A3 vehicles.

C.40.3 The Contractor shall comply with the interface standards contained on Future Battlefield Combat Brigade and Below (FBCB2) Platform Software Interface Control Document (ICD) JVI01011, REV E-1 dated 29 April 2002.

## C.41 TURRET DRIVE SYSTEM

C.41.1 Used Government-owned Turret Drive Systems (TDS) shall be provided as GFM to the Contractor for remanufacture. They are located at the contractor's Fayette County site. The Contractor shall be responsible for shipment of the TDS.

C.41.2 Turret Drive System. The Contractor shall remanufacture the government owned Turret Drive Systems. The Turret Drive Systems shall be remanufactured into the A3 TDS configuration in accordance with the BRADLEY FIGHTING VEHICLE TURRET DRIVE REMANUFACTURE PROGRAM A0 to A3 Remanufacture Document #328A5299 created by General Dynamics. A copy of this document is in the possession of both parties. The Contractor shall provide new Turret Drive Control Units (TDCUs) PN 12976373.

## C.42 A3 ENHANCEMENTS

C.42.1 All vehicles shall be delivered with the following enhancements/upgrades:

- a. Transmission EA
- b. HPUII
- c. Common INU SW/HW Cable Changes
- d. VDMS and Fault Updates
- e. Compatibility Checking
- f. TPU Bit
- g. TPUII
- h. TDCU Redesign
- i. Common INU HW

## C.43 PROJECT MANAGEMENT

C.43.1 Contractor Cost Data Reporting - The Contractor shall submit the following reports in accordance with DOD 5000.2-R and AMCP715-8, Contractor Cost Data Reports (CCDR). The report may be submitted in Contractor format.

- DD1921 Cost Data Summary Report (CDRL A001, DI-F-6006)
- DD1921-1 Functional Cost Hour Report (CDRL A002, DI-F-6007)

C.43.2 The Contractor shall send their Forward Pricing Rate Proposals (FPRPs) or, alternately, such Contractor information that would support the Contractor's development of FPRs to the below address. This data shall be submitted to the CCDR-PO whenever the Contractor submits this data to DCMA.

**CONTINUATION SHEET****Reference No. of Document Being Continued****Page 17 of 45**

PIIN/SIIN DAAE07-01-C-M016

MOD/AMD P00098

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

Department of the Army  
US Army Cost & Economic Analysis Center  
ATTN: SFFM-CA-WS (Ron Anderson)  
5611 Columbia Pike  
Falls Church, VA 22041-5050

## C.44. A3 OTHER REQUIREMENTS

C.44.1 Service and hardware installation for the heat abatement panels shall take place for FY01 vehicles under CLIN 1001AA for 83 vehicles (M2A3) and CLIN 1005AA for 26 vehicles (M3A3). The heat abatement panels provided shall be of the new configurations for these vehicles.

C.44.2 Service and hardware installation for the heat abatement panels shall take place for FY02 vehicles under CLIN 2001AA for 44 vehicles (M2A3) and CLIN 2005AA for 98 vehicles (M3A3). The heat abatement panels provided shall be of the new configurations for these vehicles.

## BRADLEY FIRE SUPPORT VEHICLE (BFIST) UNIQUE REQUIREMENTS

## C.45 VEHICLE REQUIREMENTS

C.45.1 M7 BFIST vehicles shall be torn down and remanufactured in accordance with RM87T0023-R7 and the Performance Specification for the Bradley Fire Support Team Vehicle (BFIST) 19207-12463099, Rev C, dated May 15, 2000.

C.45.2 The vehicle shall be manufactured to an equivalent of a "Zero Mile" vehicle, as it relates to Contractor supplied material only. This equates to a 6,000 mile service life, as it relates to Contractor supplied material only. Routine wear items will be inspected and replaced to ensure they make it to the semi-annual service points. (This clause is not considered a warranty).

## C.46 BRADLEY FIRE SUPPORT VEHICLE CONVERSION REQUIREMENTS

C.46.1 The M7 BFIST vehicle must complete final inspection in accordance with the Final Inspection Record (FIR) QF87T0023, Rev A, 17 July 2001.

## C.48 - C.49 RESERVED

## OPERATION DESERT STORM (ODS) VEHICLE UNIQUE REQUIREMENTS

## C.50 VEHICLE REQUIREMENTS

C.50.1 M2A2 ODS vehicles shall be torn down and remanufactured in accordance with RM87T0004-R3 for vehicles built from M2A2 to M2A2 ODS, and RM87T0004-R5 for vehicles built from A2 to A2 ODS, and the Specifications for ODS vehicles 19207-12462459, dated July 14, 2000. The Performance Specification for M2A2 ODS vehicles is located as Attachment 7 to the contract.

C.50.1.1 The contractor shall prepare and update any required RM drawings and work instructions in accordance with the CM process for contractor controlled drawings as required for production of the M2A2 ODS vehicles. The contractor shall provide a copy of the Remanufactured Drawing List (RDL) to the Government NLT January 31, 2002.

C.50.2 M3A2 ODS vehicles shall be remanufactured in accordance with RM87T0005-R3 for vehicles built from M2A2 to M2A2 ODS, and RM87T0005-R5 for vehicles built from A2 to A2 ODS, and the Specifications for ODS vehicles 19207-12462459, dated July 14, 2000. The Performance Specification for M3A2 ODS vehicles is Attachment 7 to the contract.

C.50.2.1 The contractor shall prepare and update any required RM drawings and work instructions in accordance with the CM process for contractor controlled drawings as required for production of the M3A2 ODS vehicles. The contractor shall provide a copy of the RDL to the Government NLT January 31, 2002.

C.50.2.2 Used Government-owned Turret Drive Systems (TDS) shall be provided to the Contractor for remanufacture. They are located at the contractor's Fayette County site. The Contractor shall be responsible for shipment of the TDS.

C.50.2.3 Turret Drive System. The Contractor shall remanufacture the Government-owned Turret Drive Systems. The Turret Drive Systems shall be remanufactured into the ODS TDS configuration in accordance with the BRADLEY VEHICLE TURRET DRIVE REMANUFACTURE PROGRAM A0 to ODS Remanufacture Document #328A5291, Rev. W created by General Dynamics. A copy of this document is in the possession of both parties.

C.50.3 The remanufactured turret drive and transmission price reflects the existing process, but this process is planned to undergo a joint review. The contractor shall be allowed to submit an adjustment proposal reflecting the revised process/scope of work once it is

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

Page 18 of 45

PIIN/SIIN DAAE07-01-C-M016

MOD/AMD P00098

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

adopted. The Turret Drive and Transmission issue shall be satisfactorily resolved by 30 September 2004 or the Contracting Officer may make a unilateral determination to incorporate the revised procedures into the contract requirements.

## C.51 FOLLOW-ON PRODUCTION TEST SUPPORT

C.51.1 The basic contract price includes no costs for Contractor ODS Follow-on Production Test (FPT) support. If the Government exercises the first program year option for an added thirty-five (35) ODS vehicles, it is understood the option price includes FPT support.

## C.52 ODS KIT REQUIREMENTS: (ADDED BY CONTRACT P00032)

C.52.1 The contractor shall provide ODS Kits in accordance with the following Mod Kit Drawing Packages listed in Exhibit B:

MOD Kit Name	Mod Kit No.
Handstation Kit	125610920D
Common DECA	12900708
A13 Card	12900702
Turret Armor	12933442**
Eyesafe Laser Range Finder	12933695
ODS Hardware Kit, Turret	12933698
Turret Deflector and Cover	9381060
Transmission Electronic Controller, M2A2, M3A2	57K0513*
External Stowage, M2A2, M3A2	57K1400
M3 Cargo Hatch Up-Armor	57K1404
Navigation System	57K1516*
M2A2 ODS Stowage	57K1533*
M3A2 ODS Stowage	57K1536*
Engine Access Door, Electro-Hydraulic Lift System	57K1839
TEC KIT ECB	57KABC*
Turret Bearings	12292058

\* The following kits: 57K0513, 57K1516, 57K1533, 57K1536 & 57KABC need to be modified as stated in the following paragraphs:

C.52.1.1 57K0513 - Provide the parts required to convert a -3 vehicle to a TEC ready vehicle. Does not include the Electronics Assembly, TEC Cable Assembly, Shift Tower Assembly or the Transmission.

C.52.1.2 57K1516 - Does not include the Control Box (12386472), Driver's Display (12386473), Commander's Display (12462637), Tango Box (12386475), Sensor Antenna (12386474).

C.52.1.3 57K1533 - Does not include the UVR (12386427).

C.52.1.4 57K1536 - Does not include the UVR (12386427).

C.52.1.5 57KABC

Kit number 57KABC listed in the solicitation had been separated into 5 different kits as follows:

- 12446242 Shift Tower Assembly
- 12446333 Electronic Assembly
- 12446205 Cable Assembly
- 12446500-3ECB Tech Kit
- IROAN-3-3ECB- TECH KIT

\*\* Kit # 12933442 (Turret Armor) contains the following components:

Washer	10910174-23
Plug	12350578
Plug	12358816-10
Armor Plate	12933432
Armor Plate	12933433
Armor Plate	12933434
Armor Plate	12933435
Bracket	12933436

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

Page 19 of 45

PIIN/SIIN DAAE07-01-C-M016

MOD/AMD P00098

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

Bracket	12933437
Bracket	12933438
Bracket	12933439
Screw	B1821H075C250N

C.52.2 The contractor shall validate all kits to ensure that the parts required have not changed due to production/design changes. Any part changes required shall be identified to the government prior to issuing an order for those parts, and the contractor shall provide the latest configuration of the part.

C.52.3 The kits listed in Exhibit B with destination "York" shall be incorporated into the FY03 ODS vehicle build to the maximum extent possible.

**C.53 COMPONENT CHANGES**

C.53.1 In the event the contractor implements any vehicle component form, fit or function changes that affect common kit components, the contractor shall assure that the affected kit parts still meet their intended function. Such changes made solely at the discretion of the Contractor shall be made at no additional cost to the Government.

Paragraphs C.54-C.59 will remain reserved.

**MULTIPLE LAUNCH ROCKET SYSTEM UNIQUE REQUIREMENTS****C.60 VEHICLE REQUIREMENTS**

C.60.1 M993 MLRS Carriers shall be manufactured in accordance with the M993 vehicle configuration delineated by drawing 8750045, Rev T, including Engineering Change Proposals listed on Attachment 3 and applicable drawings and Engineering Change Proposals from the Technical Data Package List (TDPL) run date of 23 March 2001. The Performance Specification for MLRS A0 vehicles is Attachment 8 to the contract.

C.60.2 M993A1 MLRS Carriers shall be manufactured in accordance with the M993A1 vehicle configuration delineated by drawing 87T0078, including Engineering Change Proposals listed on Attachment 3 and applicable drawings and Engineering Change Proposals from the Technical Data Package List (TDPL) run date of TBD. The Performance Specification for MLRS A1 vehicles is Annex 01 to Attachment 8 of the contract.

C.60.2.1 (Clause Deleted)

C.60.3 The Contractor shall provide the HMPT-500-3ECA transmission and Cummins' VTA-903T engine with all vehicles.

**C. 61 MLRS AS BUILT RECORDS**

C.61.1 The Contractor shall maintain a record for each serialized/lot controlled item or component defined in contract that has been applied. This record shall include serialized/lot controlled configuration items (CIs) and components or parts listed in C.61.2. Items included in this record are as follows:

- a. Country/Customer
- b. Highest assembly Army serial number
- c. Part Number
- d. Part Description
- e. Part Serial Number
- f. Drawing Number
- g. Drawing Revision
- h. Quality Doc Revision
- i. Including change Document Number
- j. Change Document Type

C.61.2 The Contractor shall establish and maintain an automated record system(s) for complete identification of the as-built hardware for each CI produced under this contract. This record shall contain a file of each Part Number listed below and submitted in accordance with CDRL A007 (DI-CMAN-81553) of this contract. Final documentation shall be noted and easily identifiable.

PART NUMBERITEM

- |    |              |                                  |
|----|--------------|----------------------------------|
| a) | 12297938-1S  | Radiator, Engine Coolant         |
| b) | 12298654-1S1 | Power Take Off (AO) Transmission |

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

Page 20 of 45

PIIN/SIIN DAAE07-01-C-M016

MOD/AMD P00098

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

c)	12462900	Power Take Off (A1) Transmission
d)	12300346	Heater, Personnel
e)	12359348-2	Final Drive Assembly (Left)
f)	12359348-2	Final Drive Assembly (Right)
g)	12367532	Fan, Mixed Flow
h)	12369872	Distribution Box, Cab (4A10)
i)	12385027	Distribution Box, Elec.
j)	12463100	Distribution Box, Elec. Improved (A1)
k)	12446600	Transmission (3 ECA TEC)
l)	12389490	Shift Tower Assembly
m)	12446501	Electronic Assembly
n)	12351001-1	Generator 300 Amp D.C. (Front)
o)	12351001-1	Generator 300 Amp D.C. (Rear)
p)	8750013	VTA-903T-500 engine (Customer Specific)
r)	12258911	VTA-903T-600 engine (Customer Specific)
s)	8750045	MLRS Carrier M993 A0
t)	87T0078	MLRS Carrier M993 A1

## C.62 MLRS CARRIERS LESS UNIQUE MATERIAL

C.62.1 In addition to the nineteen (19) A0 Carriers built under CLIN 1021, the Government has a requirement for ten (10) additional carriers. At time of award of this contract, the Government has not determined if the ten (10) additional carriers will be of an A0 or an A1 configuration. Therefore, the parties to this contract agree that the contractor shall build ten (10) MLRS minus carriers. An MLRS minus carrier is a carrier less only the unique material that would make it either a MLRS A0 Carrier or an MLRS A1 Carrier. All other direct and indirect costs are included. The MLRS minus carriers are at CLIN 1022. By November 30, 2001 the Government will make a determination to complete these ten (10) carriers as either an A0 or A1 configuration.

C.62.2 If the Government determines it desires an A0 configuration, an option pursuant to H.63 shall be executed. If the Government determines it desires an A1 configuration, an option pursuant to H.64 shall be executed.

## C.63 UNIQUE CHANGES/DOCUMENTATION - FOREIGN MILITARY SALES

C.63.1 Should unique changes to the production baseline be incorporated to meet foreign military sales requirements, the Contractor may be required to document these changes and provide the relevant technical data to the address below. If this requirement is required, the Contract shall be adjusted accordingly for the unique requirements and for the technical data.

PEO Tactical Missiles  
Hardware Engineering Group  
SFAE-MSL-ML-TM-G  
Redstone Arsenal, AL 35898-5700

## C.64 IEBD BLOCKk MOD 3 RETROFIT - KOREA.

This effort provides for the procurement and installation of ten (10) 57K4498 Modification Kit, IEDB, Block 3 Upgrades on the Korea MLRS-A1 vehicle IEDBs. The 57K4498 Kits will be available September 01,2003 and will be inspected/accepted at suppliers facility (source) for "Drop Shipment" to RRAD where the physical modification will be accomplished by a team of UDLF personnel. The modification will initiate on or around September 15, 2003, and will be completed November 28, 2003. The modification team will travel to RRAD on two occasions to coincide with vehicle availability (September & November trips are expected). Each visit to RRAD is planned to be two weeks in duration. RRAD is expected to provide location/facility sufficient to support the modification of the IEDBs on a ten hour day 6day week schedule.

The modification effort at RRAD will include removal of IEDBs from the ten Korea MLRS-A1 vehicles, physical modification of IEDBs in accordance with 57K4498 modification kit, bench test of the modified IEDBs utilizing the IEDB manual tester, reinstallation of IEDBs onto vehicles and vehicle system level testing to confirm IEDB post-mod functionality.

C.65 through C.69 Reserved

## KIT and SPARE UNIQUE REQUIREMENTS

C.70 ODS DIGITIZATION "A" KIT REQUIREMENTS:

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

Page 21 of 45

PIIN/SIIN DAAE07-01-C-M016

MOD/AMD P00098

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

C.70.1 The Contractor shall provide ODS Digitization "A" Kits in accordance with the following Mod Kit Drawing Packages Video Buffer Box are not included in kits.

a. M2A2	Mod Kit ODS Applique	57K1589
b. Linebacker	Mod Kit M6 Applique	57K1588
c. MUA	Mod Kit MUA Applique	57K1587
d. BFIST M7	Mod Kit M7	SK57K1593
e. ODS Engineering	Mod Kit ODS-E	SK57K1594

C.70.2 Quantities and deliveries shall be in accordance with Contract Schedule B, CLINS 1025, 1026, 2026, 2027, 2028, 2029, 3025, 3026, and 3029.

C.70.3	<u>Program Year One</u>	<u>Program Year Two</u>	<u>Program Year Three</u>
	57K1589 121 each	57K1588 36 each	57K1589 128 each
	SK57K1594 58 each	57K1587 9 each	SK57K1593 28 each
		SK57K1593 44 each	SK57K1594 64 each
		SK57K1594 58 each	
	Total 179 each	Total 147 each	Total 220 each

C.70.4 The ODS Digitization "A" Integration Kits (A kits) are based on integration of the Applique V4 system (B kits), and assume no changes to the B kits that affect functionality or fit in any of the subject vehicles. The "A" kit designs utilize the TRW generated Critical Item Product Function Specification (CIPFS), Applique+ V4 Computer (Versions 2-4), document number JVSY29-014 dated 15 June 2000 as the interface control document.

C.70.5 The ODS Digitization "A" Kits are based on integration in standard ODS Bradleys, ODS based Linebackers, ODS based MUA's and M7 BFIST vehicles. Bradley A0, A1, and A2 vehicles are not compatible with the "A" kit designs.

C.70.6 In the event of a change to either the above B kit configuration (C.70.4) or the base vehicles to be utilized for integration of the kits (C.70.5), the ODS Digitization "A" kit unit prices shall be subject to an equitable adjustment for the impact of such a change.

C.70.7 List of Combat ASL parts being replaced under this contract:

<u>Item</u>	<u>Part Number</u>	<u>Quantity</u>
BELRF	13492500-1	16 (GFM)
VDB	12328513-1	8
TDB	12328964	8
Generators	12462682	20
Universal Regulators	12386427	8
Electronic Assembly	12446333	8
Wildcard	12933543	8

C.71 KIT COMPLIANCE WITH A3 PERFORMANCE SPECIFICATION AND PRODUCT ASSURANCE PROGRAM PLAN

C.71.1 To the extent that ODS Digitization "A" Kits include common A3 vehicle components, such common components shall meet the applicable requirements of the Bradley A3 Performance Specification. The kit components shall also be purchased/received, fabricated, and assembled into kits in compliance with the applicable requirements of the contract Product Assurance Program Plan.

C.72 COMPONENT CHANGES

C.72.1 In the event the contractor implements any vehicle component form, fit or function changes that affect common kit components, the contractor shall assure that the affected kit parts still meet their intended function. Such changes made solely at the discretion of the Contractor shall be made at no additional cost to the Government. If the Government causes the Contractor to implement a change either through formal direction or other action, the contractor will prepare a proposal for an equitable adjustment to the contract.

C. 73 MLRS 500HP-600HP Conversion Kits

C. 73 MLRS 500HP-600HP Conversion Kits

C.73.1 The Contractor shall provide Conversion Kits in accordance with P/N 57K1612, Rev 0 except modified as follows:

Name of Offeror or Contractor: UNITED DEFENSE, L.P.

C.73.1.1 57K1606 Rev 0 - Engine Auxiliary Equipment Mounting Provisions Mod Kit

All parts listed in this kit are required. Include requirements of ADCN 159395 by providing Nut P/N 12296904-10 Qty 4 per kit.

C.73.1.2. 57K1613 Rev 0 - MLRS 600 HP Power Unit Mod Kit

All parts listed in this kit are required except those detailed on Attachment 023, MLRS Parts Not Required. Additionally provide Fuel Filter Clogged Switch P/N 12476697 Qty. 1 per kit. Include requirements of ADCN 155236 by:

- Providing Elbow P/N 2249-8-10S Qty 1 per kit
- Replacing Belt 12476602 with 3/3V560 Kevlar Qty 1 per kit
- Providing Plug SAE J514 12 090109C Qty 1 per kit
- Excluding Harness 12358957 from kit
- Excluding Hose 12383269 from kit

C.73.1.3. 57K4485 Rev 0 - 600 HP Engine Compartment Plenum Mod Kit

This kit is not required.

C.73.1.4 57K4486 Rev 0 - Engine Auxiliary Equipment Installation Mod Kit

All parts listed in this kit are required except those listed on Attachment 023, MLRS Parts Not Required. Include requirements of ADCN 155240 by providing Washer 10910174-16 Qty 11 per kit.

C.73.1.5 57K4487 Rev 0 - 600 HP Engine Cooling System Mod Kit

This kit is not required.

C.73.1.6 57K4490 Rev 0 - Final Drive Upgrade Mod Kit

This Kit is not required

C.74 THROUGH C79 IS RESERVED.

C.80 BRADLEY ADVANCED TRAINING SYSTEMS (BATS)

C.80.1 PERFORMANCE SPECIFICATION

The Contractor shall manufacture Bradley Advanced Training Systems (BATS) in accordance with requirements of the Bradley A3 Gunnery Training System Specification, Document Number ORL-BPD90000, Revision C.2a, dated February 2002 (Attachment 16). Exceptions to the specification are listed below. For the purpose of this contract, FM 23-1 dated March 1996 will be used in lieu of FM 23-1 dated April 2001. All Shelter-related requirements apply only in the event Shelters are purchased and identified in Section B. Because the BATS do not perform TOW misfire function, the 25MM and coax misfire procedures shall be implemented as specified in the operator manual and/or Instructor Utilization Handbook (IUH).

- a. 2.1.a and 3.1.3.1: FM 23-1.
- b. 2.1.b: TM92350294 10-2 and 10-2-1.
- c. 2.1.c: TC25-8
- d. 3.1; 3.3.4; 3.6.5; 4.4; 4.5: Shelter requirements and references.
- e. 3.6.2.1: exact views of the Gunner, Commander, and Aux sights at the IOS station. (the contract requirement is for brightness and contract control only.)
- f. 3.1.3.1.2: (8) n, o, and p: Smoke Grenade launcher, Degraded Gun Switch, and Emergency shutdown switch.
- g. 3.1.3.1.2.1.2: (4), (5), (6), and (7): NBC and Gun power track conditions. (10) TOW Misfire.
- h. 3.1.3.1.3.1: (13) n. Filter symbology in Day TV. (14) c. BCIS symbology requirement. (15) n. Degraded gun Switch. (15) o. Emergency Shutdown Switch.
- i. 3.1.3.1.3.2.1: (3), (4), (5), and (6) NBC, Gun Power Track conditions. NBC and Gun Power Track mode. (9) TOW Misfire.
- j. 3.1.3.1.4: (9) TOW Misfire. (10) Autotrack malfunction. (11) Autopoint malfunction. (12) TAS failure. (13) Open Hatch Malfunction.
- k. 3.2.1: (b) addition of company account/login.
- l. 3.5 and 3.5.1: LCCS.
- m. 3.6.1.1.2.11: (4) Arrow keys and Enter key.
- n. 3.6.2.1: exact views of the Gunner and Commander and Aux sights at the IOS station. (This is applicable to brightness and contract control only.)
- o. 3.6.3.1: RMS monitors being a direct video relay of Commander's, Gunner's and Aux sights.

**CONTINUATION SHEET****Reference No. of Document Being Continued****Page 23 of 45**

PIIN/SIIN DAAE07-01-C-M016

MOD/AMD P00098

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

p. 3.6.4.1.3.1: (b, c, d, e, and f). IG capable of (Horizon, Haze, Rain, Fog, Clouds) but not incorporated for IOS manipulation.

q. 3.6.4.1.3.2: LRF affected by tactical smoke.

r. 3.6.6.2: Cargo Hatch Open/Close.

s. 3.6.6.4.3: #11 POSNAV of the SES model.

t. 4.2: Exception to the statement "The requirements for the verification test shall be established by the Government designated agency with the concurrence and approval of the Government Contracting Officer Technical Representative (COTR) or a designated representative.

**C.80.2 SOFTWARE BASELINE**

The price and performance of this contract is based on version 4.0.X software baseline for installation of Bradley A3 software VVID 6.02.

**C.80.3 FACILITY AND FACILITY EQUIPMENT**

C.80.3.1 Permanent Site Facilities. The Government will provide permanent site facilities that include the building, electrical power, building ground connection points, water, heat, ventilation, air conditioning, fire suppression, lighting, and telephone hook-up. The contractor is responsible for permanent site items not described above.

C.80.3.2 Repairs. The Government will be responsible for the following permanent site repairs. The contractor is responsible for all site repairs not listed.

a. Repair of the electrical system at the fixed sites up to the primary power distribution box/panel at each fixed site facility.

b. Repair of the primary power distribution box/panel, plumbing, air conditioning, and heating systems located in each facility.

c. Repair of the buildings that house the BATS systems.

C.80.3.3 Floor Space. The minimum floor space requirements for permanent installation of the BATS is 224 square feet (16' X 14') for each gunnery trainer.

C.80.3.4 Emergency Lighting. UDLP shall provide trainer lights for illumination of areas not open to lighting by the facility.

C.80.3.5 UDLP shall distribute power from the Government-provided utility point.

C.80.3.6 UDLP shall be responsible for notifying the COTR to arrange for electrical service to the site.

**C.80.4 PARTS SUPPORT**

C.80.4.1 In the event the Contractor implements any form, fit or function changes that affect any parts required under this contract, the contractor shall implement necessary changes to any/all affected parts to insure these parts meet their intended function, at no increase in the contract price, or to any individual part(s) prices.

**C.80.5 REVIEW OF DATA/INFORMATION**

C.80.5.1 The Contractor shall, if requested by the Government, make available for review, current versions of drawings, software documentation, integration plans, schedules, or other forms of technical data applicable to the build and/or support of the requirement of the contract.

**C.80.6 BATS SYSTEM UPGRADE FOR VVID 6.02 COMPATABLE SOFTWARE.**

C.80.6.1 The contractor shall upgrade the FY99 original 13 BATS units with software and hardware. Modifications of the FY99 BATS-G training system consists of additional hardware installed on the turret and new software installed on the Instructor Operator Station (IOS) and turret computational systems. The image generator software does not require updating.

C.80.6.1.1 Hardware to support video replication of the IBAS and CIV brightness and contrast at the IOS and RMS, two video scalars and associated cabling are being added to the turret. To support FBCB2 message alerts, a sound card is being added to the tactical computer and associated cabling added to the turret to connect the sound card to the Master Control Station (MCS).

C.80.6.1.2 Software is updated to Bradley A3 software VVID 6.02 and user defined discrepancies have also been fixed and included in the next BATS release.

C.80.6.1.3 Pre-installation tasks shall include purchase or subcontract of all hardware component required for retrofit, video scalars and panel will be made into assembly BP00526 for installation. Sound cards are provided at no cost and sound cables will be

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

Page 24 of 45

PIIN/SIIN DAAE07-01-C-M016

MOD/AMD P00098

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

fabricated. UDLP will perform all tasks listed in proposal ORL-PBD-9168, Rev 0. The contractor shall provide all quality assurance/material handling tasks, Configuration Management Tasks, project management tasks and project engineering tasks as included in proposal ORL-BPD-9168, Rev 0.

C.80.6.1.4 Installation shall be performed at BATS-G sites Fort Hood, Fort Benning and Fort Knox. The installation includes hardware, upgrade software developed under STS Year 02 efforts. Installation shall include all tasks included in the scope of work for proposal ORL-BPD-9168, Rev 0.

C.80.6.2. FY 02 STS Update will consist of additional hardware installed on the turret and new software installed on the IOS and turret computational systems. To support video replication of the IBAS and CIV brightness and contract at the IOS and RMS, two video scalars and associated cabling are being added to the turret. To support FCB2 message alerts, a sound card is added to the tactical computer and associated cabling added to the turret to connect the sound card to the MCS. BATS software will be updated to Bradley A3 VVID 6.02 software. The contractor shall provide quality assurance, material handling, Configuration Management, manufacturing tasks and project management tasks as contained in proposal ORL-BPD-9168, Rev 0.

C.80.6.3. FY 02 Cable extensions shall be interconnect cables between the BATS Turret, IOS and RMS standardized at a minimum of 35-foot length. The following cables are added to the configuration:

Cable, Ethernet		2 per system
Cable, Video, RGBHV	IN7335-5-RGBHV	5 per system
Cable, I/O, Video Selector Extension	BP00190-20	1 per system

The following cables are deleted from the configuration:

Cable, Ethernet	DCA7280GN	2 per system
Cable, Video RGBHV	IN7325-5-RGBHV	5 per system
Cable, I/O, Video Selector extension	BP000190-10	1 per system
Cable, Highway	A3206018-21	4 per system

C.80.6.3.1 UDLP shall perform the quality assurance/material handling, Configuration Management, manufacturing and project management tasks as contained in proposal ORL-BPD-9168, Rev 0.

## C.90 Bradley Conduct of Fire Trainers (COFT) RECAP

DFARS 252.227-7013 Rights in Technical Data applies.

Add the following DFARS Clauses:

DFARS 252.227.7014 Rights in Noncommercial Computer Software and Non Commercial Computer Software

DFARS 252.227-7030 Technical Data - Withholding of Payment

## C.90.1 GENERAL REQUIREMENTS

The Bradley Fighting Vehicle System (BFVS) Conduct of Fire Trainer (COFT) is a full-crew interactive training device that simulates selected performance characteristics of the BFVS (A2 and A2 ODS) for the purpose of individual and crew Gunnery Training. The supplies and services described in this contract will result in the modernization of the fielded COFT through the replacement of obsolete or outdated technology, computer equipment, and image generators. The contractor will develop a modernization kit and install the kit onto each COFT at the COFTs current location resulting in the onsite delivery of a modernized COFT that meets or exceeds the current COFT functional capability.

C.90.1.2 The modernization of the existing BFVS COFTs shall be identified as the COFT RECAP

C.90.1.3 The data, (including non-COTS software source code and executables), drawings, and manuals delivered under this contract shall not include proprietary markings.

## C.90.2 REQUIREMENTS

C.90.2 The contractor shall ensure the operational and training requirements of the COFT RECAP meet the operational/organizational concepts described in the DRAFT Performance Specification for M2A1 and M2A2 ODS Unit of Conduct Fire U-COFT 09 Jan 2004 rev2 and all COFT RECAP baseline documentation described elsewhere in this contract.

C.90.2 To the extent the Bradley COFT RECAP includes BATS common components; such common components shall meet the applicable requirements of the BATS specification.

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

C.90.2.2 The Contractor shall develop and deliver a kit or kits that can be applied to all COFT RECAP Configurations.

C.90.2.3 The Contractor shall receive from the Government one sheltered and one unsheltered A1 and ODS COFT for the development and qualification of the first unit. The Contractor shall deliver these COFTs to the field as two of the basic quantity RECAP COFTs units.

C.90.2.4 First Unit M2A2 system. The contractor shall design, develop, fabricate, integrate, and test a M2A2 RECAP ODS Kit into an unmodified UCOFT M2 mechanized infantry crew module for verification in accordance with the performance SPEC and the applicable COFT drawings at the contractors facility.

C.90.2.5 First unit M2A1 System. The contractor shall develop, fabricate, integrate, and test a M2A1 ODS RECAP Kit into an unmodified UCOFT M2A1 mechanized infantry crew module for verification in accordance with the performance criteria and the applicable COFT Drawings at the contractors facility.

C.90.2.6 The contractor shall produce, deliver, install and successfully test subsequent kits into an unmodified M2A1 and M2A2 ODS COFT Mechanized Infantry Modules at the specified delivery sites in accordance with the performance criteria and the applicable COFT Drawings.

C.90.2.7 IG Visual System. The contractor shall integrate, install and test the Close Combat Tactical Trainer (CCTT) P1(woodland) and P2(desert) visual database with the first unit IG system for verification and final integrated acceptance verification in accordance with the performance criteria and the applicable COFT Drawings.

C.90.2.8 Software Engineering. The contractor shall analyze, design, code, integrate, install, and test the software to satisfy the requirements defined in the performance criteria and the applicable COFT drawings.

C.90.2.8.1 Information Assurance. The Contractor shall develop and maintain an Information Assurance (IA) process to guide management decisions and design actions, document the decisions, specify and track IA requirements. The design actions shall include an engineering process that captures and refines information protection requirements and ensures their integration into the system design through purposeful security design or configuration. The Contractor shall develop the system IAW DoDI 8500.1 and DoDI 8500.2. The system shall meet the requirements for a Mission Assurance Category III (MAC III) system with a Confidentiality Level of Sensitive with Basic Robustness as defined in DoDI 8500.2. You shall develop a Security User's Manual, deliverable as an appendix to the Instructor's Utilization Handbook and System Maintenance Manual, which describes all security procedures including adding and deleting new users, creating and changing passwords and audit log review procedures. The Contractor shall develop an Information Assurance Test Procedure to document compliance with the requirements of DoDI 8500.2, deliverable as a separate, detachable appendix to the Test Results

C.90.3 Test and Evaluation.

C.90.3.1 The Contractor shall plan, coordinate, establish and implement a test and evaluation program in accordance with the criteria set forth in Bradley Gunnery COFT performance criteria in DRAFT Performance Specification for M2A1 and M2A2 ODS Unit of Conduct Fire U-COFT 09 Jan 2004 rev2. (Attachment 22)

C.90.3.2 The Contractor shall submit test schedules, plans or procedures to the PCO or his designated representative prior to the start of any testing, This requirement applies to the Qualification Test, the On Site Acceptance Test (OSAT) and any test developed for the verification, inspection and acceptance of the COFT RECAP effort.

C.90.3.3 The Contractor shall validate that the RECAP COFT Kit functions in accordance with the performance criteria described above and meets the simulated gunnery training criteria applicable to the BFVS M2A2, M2A2 ODS prior to the start of on-site (field) installation

C.90.3.3.1 The Test Readiness Review (TRR) shall be held prior to the qualification test.

C.90.3.4 The Contractor shall develop a Safety Assessment Release (SAR) based on the previously approved SARs for the BATS and COFT. The contractor shall submit a copy of the SAR without restrictive markings to the Contracting Officer upon request.

C.90.4 DATA

C.90. 4.1 The contractor shall provide Unrestricted Rights to the following software under section C.80 of the contract (BATS). This software shall be delivered NLT delivery of the last unit under the basic contract quantity (60).

Simulation Common Operating Environment (SCOE)  
Generic Instructor-Operator Station (GIOS)  
After Action Review Station (AAR)  
BATS Software to include all subsystems and source code

Name of Offeror or Contractor: UNITED DEFENSE, L.P.

C.90.4.1.2 Any unique SW developed for the COFT RECAP shall be delivered to the Government with unrestricted rights. The Contractor shall contact the PCO and the Government Program Management Office for permission prior to the re-use of BFVS training device data or software except for items delivered under this contract.

C.90.4.1.3 The software identified above, shall be delivered and shall include the following:

- A software list of deliverable media that should accompany each system.
- A listing of the actual files on all non-COTS media
- A set of disaster recovery procedures that can be used to reload the system onsite, i.e. ghost imaging software. Clarification: These procedures describe how to reload the already built software.
- A procedure for actually rebuilding or recompiling the software, i.e. cold start procedures
- Software information of the system security design
- Software design information for maintenance purposes

#### C.90.5 COFT RECAP DRAWINGS

C.90.5.1 The contractor shall provide end item configuration drawings without restrictive markings. Each drawing shall contain sufficient detail to support a competitive reprourement. The drawings shall be in contractor format; however, the contractor shall also deliver the drawings in a Contractor CAD format. The parties agree that the requirement for end item configuration drawings apply to all new items and for all original COFT drawings modified by the contractor as a result of the COFT RECAP effort. The contractor will develop a before and after drawing list; this list will show which items will be added and removed.

C.90.5.2 The Contractor shall develop and deliver a Notice of Revision/ Change Request (NOR/CR) for the current COFT drawings that need to be modified for the RECAP effort. New and redline drawings with NORs/CRs shall be submitted to the Government in an ECP format. The delivered drawing package shall be suitable for system support to include drawing trees, ICD, wiring diagrams, h/w interfaces and dimensions, computer (CPU and Displays) data sheets along with s/w type and version. The Government will incorporate these NORs/CRs into the drawings package. The contractor shall deliver the drawing package at time of initial COFT RECAP fielding.

#### C.90.6 COFT RECAP SPECIFICATION

C.90.6. The Contractor shall develop, produce and deliver COFT RECAP units in accordance with DRAFT Performance Specification for M2A1 and M2A2 ODS Unit of Conduct Fire U-COFT 09 Jan 2004 rev2. (Attachment 22)

##### C.90.6.1. EXCEPTIONS TO THE SPECIFICATION ARE LISTED BELOW:

MOUT Database;  
Brow pad recoil is required in COFT RECAP.

#### C.90.7 TRAINING

C.90.7.1 Pilot Training Course. The contractor shall support the development of the Pilot Training Course that will be conducted NLT 16 Aug 04.

C.90.7.1.1 The Contractor shall provide the source material and technical support for the pilot training package that will be jointly developed by the contractor and the Bradley Propensity Office (Fort Benning).

C.90.7.2 Maintenance Training Course. The contractor shall develop and provide a Systems Maintenance Training (SMM) Course. This course shall consist of 2 course sessions. The first course session shall be conducted at Fort Benning in Sep 04; the second session shall be conducted in Germany in late Nov/early Dec 04.

#### C.90.8 TECHNICAL MANUALS

C.90.8.1 The Government will provide the Contractor with an electronic version (source material) of the current COFT technical manuals:

- a. Instructor Utilization Handbook (IUH)
- b. System Maintenance Manual (SMM)

C.90.8.1.1 The contractor shall develop and deliver revised versions of the above manuals using the baseline content from the BATS IUH and SMM and incorporating the applicable information/description from the existing COFTs IUH and SMM. These manuals shall be delivered in WORD format and the set up may be structured in the baseline format established and accepted for the UDLP BATS IUH and SMM.

C.90.8.1.2 The contractor shall submit the draft and a final copy of the manuals for Government approval. The Draft shall be submitted before the qualification test. The final shall be submitted prior to first unit equipped. The modified manuals shall be submitted in electronic format to the Contracting Officer:

US Army Tank-automotive and Armaments Command  
6501 East 11 Mile Road

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.AMSTA-AQ-AHLA, ATTN Ken Sauter  
Warren, MI 48397 - 5000

C.90.8.1.3 The contractor shall deliver a hard copy and a CD ROM Copy of the manuals with each COFT RECAP.

C.90.8.2 Transportability document. The contractor shall deliver a transportability document.

C. 90.9 PRE-MODIFICATION STARTING CONFIGURATION (Fielding Locations)

C.90.9.1 The Government will ensure that all reusable COFT components are fully operational prior to the start of the start of the modification. The contractor is not required to repair reusable COFT components.

C.90.9.1.2 In the event the Contractor determines that a COFT requires repairs not included in the performance of this contract, the Contractor shall identify the problem and notify the on site FSR and the PCO /COR prior to initiating repairs.

C.90.10 INSTALLATION:

C.90.10.1 The contractor shall be responsible for installation of the COFT RECAP Kit in accordance with the MWO that shall be included in the drawing package. The installation shall be conducted at the field site locations identified on Attachment 30 where the physical modification will be accomplished by a team of contractor personnel. Delivery sites will be specified in the contract delivery schedule.

C.90.10.2 Coordination for facilities, support equipment and any other Government actions needed by the Contractor to meet the final acceptance of vehicles by the gaining unit (COFT RECAP training devices) will be accomplished jointly by the Contractor and the Government as an action taken during the installation process.

C.90.10.3 Installation Site Facilities. The contractor shall use the existing site facilities less the items removed for the RECAP effort.

C.90.10.3.1

The Contractor shall move all COFT RECAP training functions into the crew station shelter. Thw Contractor is not required to remove the two remaining interconnecting shelters or replace shelter lighting, HVAC and fire detection and suppression systems.

C.90.11 Disposition of material removed from COFTS:

C.90.11.1 Disposition of residual material will be the responsibility of the Government. The Contractor shall ensure that the excess property is removed from the existing COFT and set-aside in a manner that will allow for disposition review by the designated Government representative.

C.90.12 SPARES LIST

C.90.12.1 The Contractor shall provide the Government with the list of Spare and Repair Parts and Special Tools required to support the initial fielding package NLT 60 days after contract award.

C.90.13 DATA PLATE

The contractor shall deliver the RECAP COFT with a data plate. The contractor shall coordinate with the Contracting Officer to ensure that the data plate contains the information required to incorporate, manage, and track the COFT RECAP into the Government inventory system. At a minimum, the data plate shall include a serial number in accordance with the criteria below:

Model	Version	From	To	Version	From	To
Mobiles	(A1) A2	3000	3099	A2 ODS	3100	3199
Unit	(A1) A2	3200	3299	A2 ODS	3300	3399
Institutional	(A1) A2	3400	3499	A2 ODS	3500	3599

C.90.14 COR Notification For Installation and Acceptance Testing and DD 250.

C.90.14.1 The contractor shall notify the COR at least twenty-eight (28) days prior to the planned start of COFT RECAP modification kit installation for CONUS installation and 35 days for OCONUS installation.. This notification shall provide the following information:

- location
- serial number of affected unit(s)
- date for start of acceptance testing
- name of contractor POC
- date of expected completion

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

C.90.14.2 In the event the contractor has made all the arrangements for installation and acceptance in accordance with the contract criteria and the designated government representative is unavailable for the acceptance testing, the Government shall notify the PCO, and proceed with the modification kit installation and test as planned. The COFT RECAP shall be conditionally accepted by the PCO if the Contractor certifies successful completion of the installation and acceptance test. The contractor shall contact the government COR and/or PCO and provide the following information:

- location
- serial number of affected unit(s)
- name of contractor POC
- confirmation of successful acceptance test completion
- confirmation that DD 250 is ready for signature

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

## M3A2 OPERATION IRAQI FREEDOM (OIF) UNIQUE REQUIREMENTS

## C.101 VEHICLE REQUIREMENTS

C.101.1 M3A2 OIF vehicles shall be torn down and remanufactured in accordance with RM 12488247-OIF for vehicles built from M3A2 to M3A2 OIF, (TBD) for vehicles built from M2A2 to M3A2 OIF, and with the Performance Specification for the M3A2 OIF vehicle (M3A2 OIF) 19207-12488389 dated 19 May 04.

C.101.2 The vehicle shall be manufactured to an equivalent of a "Zero Mile" vehicle, as it relates to Contractor supplied material only. This equates to a 6,000 mile service life, as it relates to Contractor supplied material only. Routine wear items will be inspected and replaced to ensure they make it to the semi-annual service points. (This clause is not considered a warranty).

C.101.3 The contractor shall prepare and update any required RM drawings and work instructions in accordance with the CM process for contractor controlled drawings as required for production of the M3A2 ODS vehicles. The contractor shall provide a copy of the RDL to the Government NLT January 31, 2005.

C.101.4 Used Government-owned Turret Drive Systems (TDS) shall be provided to the Contractor for remanufacture. They are located at the contractor's Fayette County site. The Contractor shall be responsible for shipment of the TDS.

C.101.5 Turret Drive System. The Contractor shall remanufacture the Government-owned Turret Drive Systems. The Turret Drive Systems shall be remanufactured into the ODS TDS configuration in accordance with the BRADLEY VEHICLE TURRET DRIVE REMANUFACTURE PROGRAM A0 to ODS Remanufacture Document #328A5291, Rev W created by General Dynamics. A copy of this document is in the possession of both parties.

C.101.6 The remanufactured turret drive and transmission price reflects the existing process, but this process is planned to undergo a joint review. The contractor shall be allowed to submit an adjustment proposal reflecting the revised process/scope of work once it is adopted. The Turret Drive and Transmission issue shall be satisfactorily resolved by 30 September 2004 or the Contracting Officer may make a unilateral determination to incorporate the revised procedures into the contract requirements.

## C.102 BRADLEY M3A2 OIF VEHICLE CONVERSION REQUIREMENTS

C.102.1 The M3A2 OIF vehicle must complete final inspection in accordance with the Final Inspection Record (FIR) QF12488247 (dated TBD).

C.103 The FY04 OIF, BFIST, Spares and Kits awards are predicated on having sufficient quantity of guns, TDSs, ISUs, TMLs, and vehicles provided as GFM available for remanufacture. If these GFM assets are not available, UDLP will require contractual coverage for procurement of new material.

C.104 The parties agree that UDLP is granted full control of the TDP used to produce OIF vehicles until baselined. The TDP shall be baselined as follows:

- Vehicle Spec, LRU Spec, ICD's and Top Vehicle Drawings at contract award
- Hardware LRU TDP following Qual
- Remaining miscellaneous hardware TDP - April 2005
- Software Documentation - September 2005

After it is considered "baselined" the design constraints criteria for seeking Government approval shall apply.

## C.105 Bradley Eyesafe Laser Finder (BELRF).

The parties agree that the BELRF, as currently supplied GFM, has a known temperature-related retention performance issue which the Government has been unable to resolve under its current contract with Raytheon, and for which Raytheon refuses to acknowledge any liability. The Government has currently issued a waiver allowing and RSS (Az and El) alignment shift of 400 mrad across the extremes of operating temperature range. However, a significant percentage of BELRFs still fail to pass even the waiver level.

The parties agree that UDLP accepts no responsibility for this performance shortfall and the current contract does not include any requirement to correct it. The negotiated price assumes that, to the extent the Government does not resolve the issue on a schedule, UDLP's delivery schedule or prices from the BELRF supplier will not be impacted. Any additional costs incurred by UDLP due to the failure of BELRFs to meet an alignment retention over temperature range requirement (e.g. due to unit fallout, rework costs, unit price increases, impact of BELRF delivery delays, etc.) will be recognized as a proper basis for equitable adjustment of UDLP's contract price.

**CONTINUATION SHEET****Reference No. of Document Being Continued****Page 30 of 45****PIIN/SIIN** DAAE07-01-C-M016**MOD/AMD** P00098**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

---

**CONTINUATION SHEET****Reference No. of Document Being Continued****Page 31 of 45****PIIN/SIIN** DAAE07-01-C-M016**MOD/AMD** P00098

---

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

---

\*\*\* END OF NARRATIVE C 003 \*\*\*

**CONTINUATION SHEET****Reference No. of Document Being Continued****Page 32 of 45**

PIIN/SIIN DAAE07-01-C-M016

MOD/AMD P00098

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

## SECTION E - INSPECTION AND ACCEPTANCE

E.1 INSPECTION OF SUPPLIES--COST REIMBURSEMENT, FAR 52.246-3 APR 1984  
E.2 INSPECTION OF SUPPLIES--FIXED-PRICE FAR 52.246-2 AUG 1996  
E.3 RESPONSIBILITY FOR SUPPLIES FAR 52.246-16 APR 1984

E.4-E.7 RESERVED

## E.8 ACCEPTANCE POINTS- DD FORM 250 EXECUTION

E.8.1 BFV A3 ODS, OIF and Vehicle Acceptance: The final Material Inspection and Receiving Report (DD Form 250) will be signed upon Government acceptance at the fielding or test site immediately after vehicles are issued to the gaining unit, with the exception of test vehicles. For test vehicles the DD form 250 will be issued following test. The maximum duration of each Follow-on Production Test (FPT) is estimated to be four (4) months and the maximum duration of each Extended Follow-on Production Test (EFPT) is estimated to be eight (8) months. If the tests are not completed within these time frames and no vehicle performance issues have been encountered (reference paragraph C.25.2), then the DD form 250 will be executed by the PCO prior to completion of the test.

E.8.2 MLRS Acceptance: For MLRS Carriers, the DD 250 shall be signed at the acceptance point of United Defense, York, Pennsylvania.

E.8.3 Kit Acceptance: For Kits, the DD250 shall be signed at the acceptance point of United Defense, Santa Clara, California.

E.8.4 The final Material Inspection and Receiving Report (DD Form 250) for BATS trainers and spares will be signed upon Government acceptance at the Destination points specified below:

FORT BENNING  
Commander, 1/29 Infantry  
6708 Bradley Drive  
Infantry Center Bldg. 5500  
Ft. Benning, GA 31905-5311  
ATTN: /DynCorp Rep

FORT KNOX  
Bldg. 9310 Baravetto Hall  
Ft. Knox, KY 41012-5000  
POC: SFC Geist  
(505)624-2414

DYNCORP (DODAC -- CB0P75)  
Pulau  
630 Knox Blvd.  
Radcliff, KY 40160

UDLP - Orlando  
12201 Research Parkway  
Suite 160  
Orlando, FL 32826

## E.9 INSPECTION NOTIFICATION

E.9.1 The Contractor shall provide advance notifications to the cognizant DCMA office at a minimum of two (2) working days prior to submission of a vehicle for inspection.

E.9.2 In the case of BATS trainers, the Contractor will notify the STRICOM COR/COTR at a minimum of seven (7) working days before running the FIR for preliminary inspection. Should the STRICOM COR/COTR choose not to be present or have a representative present for the testing, the Contractor shall proceed to conduct FIR to completion.

## E.10 INSPECTION POINTS

E.10.1 The inspection point for BFV (A3, ODS, OIF, BFIST) vehicles under this contract is the deprocessing/handoff/test sites listed in Section F of the contract. For MLRS carriers and kits, the inspection point is origin. The Government will perform an initial inspection of vehicles at the contractor's plant. The Contractor's address for initial inspection, and in the case of MLRS carriers final inspection, is:

United Defense, L.P.  
Ground Systems Division  
1100 Bairs Road  
York, Pennsylvania 17404

E.10.2 In the case of Kits, the inspection point is:

United Defense, L.P.  
Ground Systems Division  
328 Brokaw Road, Gate 11

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

Santa Clara, CA 95052

E.10.3 The final inspection for the BATS will be performed at the Destination sites specified above. The Government will perform an initial inspection of the trainers at the contractor's Orlando facility prior to the destination shipping site. At time of award, the address for the Contractor's Orlando facility is located at:

United Defense, LP  
12461 Research Parkway  
Suite 500  
Orlando, FL 32826

E.10.4 In the case of Korea - IEDB kits the inspection/acceptance point is:

LaBarge  
403 LaBarge Street  
Huntsville, Arkansas 72740

Inspection is to be done by the cognizant DCMC office.

**E.11 INSPECTION - VEHICLES**

E.11.1 Vehicle inspection shall be in accordance with the latest revision level of the following vehicle Final Inspection Records(FIR):

- a) A3-----FIR QF87T0010
- b) ODS-----FIR QF87T0004
- c) MLRS-----FIR 8750045
- d) MLRS A1--FIR 87T0078
- e) M7 BFIST-FIR QF87T0023, Rev A
- f) OIF FIR QF12488247

E.11.1.1 Additional MLRS inspections shall be in accordance with MLRS-ICD Memorandum of Agreement for 100% of carriers per Attachment 4, Product Assurance Program Plan.

E.11.1.2 The verification and nonconformance disposition process Section of the MLRS A1 Carrier Interface Control Dimensions MOU dated August 30, 2002 Rev A, will take precedence over the contract requirements in Section C.12.4, Design Constraints, Subsection C.12.4.1.1 and attachment 4, PAPP, Section 2.4.6, Design Changes. This language only applies to the Interface Drawing P/N 12469810, Rev G, and does not apply to any other waivers or deviations written against the MLRS program.

E.11.2 Any initial inspection and acceptance that may occur under this contract is not acceptance for purposes of final acceptance, transfer of control and risk of loss, and/or application of the rights and remedies in the Inspection of Supplies - Fixed Price clause relative to latent defects and fraud.

**E.12 INSPECTION - KITS**

E.12.1 Kit inspection shall be in accordance with the following:

- |  |           |
|--|-----------|
| a) M2A2 Mod Kit - ODS Applique           | 57K1589   |
| b) Linebacker M6 - Mod Kit - M6 Applique | 57K1588   |
| c) MUA - Mod Kit - MUA Applique          | 57K1587   |
| d) BFIST M7 - Mod Kit - M7               | SK57K1593 |
| e) ODS Engineering - Mod Kit - ODS-E     | SK57K1594 |

**E.13 INSPECTION - BATS**

E.13.1 BATS preliminary inspection and acceptance shall be based upon the following FIR documents:

- a. ORL-BPD-9012 Rev H, BATS FIR - Image Generator
- b. ORL-BPD-9013 Rev G, BATS FIR - Instruction Operator Station
- c. ORL-BPD-9014 Rev G, BATS FIR - Remote Monitoring Station
- d. ORL-BPD-9015 Rev H, BATS FIR - Turret Section
- e. ORL-BPD-9033 Rev L, BATS FIR - Gunnery System

E.13.2 Final Inspection and Acceptance shall occur after the installation and set-up of the trainers at the Government destination site

<b>CONTINUATION SHEET</b>	<b>Reference No. of Document Being Continued</b>	<b>Page 34 of 45</b>
	PIIN/SIIN DAAE07-01-C-M016	MOD/AMD P00098
<b>Name of Offeror or Contractor:</b> UNITED DEFENSE, L.P.		

based upon the Gunnery FIR, ORL-BPD-9033, Rev H.

E.13.3 Government representatives will be given access to participate in all FIR testing. The Contractor will notify the STRICOM COR/COTR at a minimum of seven (7) working days before running the on-site FIR for final inspection. Should the STRICOM COR/COTR choose not to be present or have a representative present for the testing, the Contractor shall proceed to conduct the on-site FIR to completion. Completion of the FIR along with the appropriate documentation will constitute prima facie compliance with FIR identified in E.13.1 and E.13.2.

E.13.4 Any initial inspection and acceptance that may occur is not acceptance for the purpose of final acceptance transfer of control and risk of loss, and or application of the rights and remedies in the Inspection of Supplies - Fixed Price Clause relative to latent defects and fraud.

E.14 BATS TESTING

E.14.1 Follow-on Production Test (FPT): The first-only BATS unit produced with an Ensemble Image Generator shall be subject to the FPT provided under Attachment 17. The intent of this FPT is to ensure that the Image Generators delivered under this contract perform equal to, or better than, the ESIG 4530 Image Generators delivered under the previous BATS contract DAAE07-95-C-X036 CLIN 0027.

E.14.2 Burn-in Test: Each BATS trainer produced under the contract will be subject to the Trainer Burn-in Test Procedure as defined in ORL-BPD-9136, dated February 2002 (Attachment 18). The purpose of this test is to determine that each system performs as a gunnery trainer in accordance with the contract criteria. This test will be conducted at the Contractor's Orlando, Florida facility. The Government will not require the contractor to repeat this test at final destination.

E.15 QUALITY SYSTEM

E.15.1 The Contractor shall implement and maintain a quality system in accordance with their Product Assurance Program Plan (PAPP), Attachment 4 of the contract and the requirements of this contract. Testing shall be performed in accordance with the requirements and schedules of the PAPP and this contract. The contractor's York, Pennsylvania and San Jose, California facilities have a certified ISO 9001 quality system in place, which shall apply to this contract.

E.16 COFT RECAP

E.16.1 (NOTE: we expect the PAPP Identified in Section C of the scope applies to all section of the contract. If the PAPP does not apply, UDLF must specify what quality system is in place for performance of the contract.)

E.16.2 COFT RECAP QUALIFICATION TEST

E.16.2.1 The contractor shall perform the qualification test for the first two production units at the contractors Orlando facility. The Contractor will notify the government (PEO STRI) a minimum of 5 working days before qualification test.

E.16.2.2 The criteria for the evaluation of the qualification test is identified in COFT RECAP Performance Specification.

E. 16.3 On Site Acceptance Test (OSAT) / Final Inspection Report (FIR).

The OSAT/FIR Testing of all subsequent COFT RECAP will be conducted by the Government at the field site locations identified on attachment\_34\_of the contract. The OSAT/FIR will be conducted in accordance with the Specification.

\*\*\* END OF NARRATIVE E 001 \*\*\*

**CONTINUATION SHEET****Reference No. of Document Being Continued****Page 35 of 45**

PIIN/SIIN DAAE07-01-C-M016

MOD/AMD P00098

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

## SECTION F - DELIVERIES OR PERFORMANCE

## F.7 Reserved

## F.8 F.O.B. POINTS

F.8.1 The F.O.B. point for Bradley (A3 and ODS) vehicles and data is DESTINATION. The F.O.B. point for Kits and MLRS vehicles is ORIGIN.

## F.9 APPLIQUE KIT UNIQUE CLAUSES-SECTION F:

F.9.1 The following additional clauses apply to the Kits delivered under this contract, or as denoted below shall not apply:

## F.9.2 Additional Clauses

- (a) F.O.B. Origin 52.247-29 (JUN 1988)
- (b) F.O.B. Origin-Carload & Truckload Shipments 52.247-48 (ARR 1984)
- (c) Loading, Blocking & Bracing of Freight Car Shipment 52.247-34 (APR 1984)
- (d) Shipment of Supplies and Detention of Carrier's Equipment TACOM 52.247-4005 (OCT 1994)
- (e) F.O.B. Origin Prepaid Freight Small Package Shipment (JAN 1991)

## F.9.3 Clause Not Applicable

- (a) F.O.B. Destination 52.247-34 (NOV 1991)

## F.10 MLRS UNIQUE CLAUSES-SECTION F:

F.10.1 The following additional Section F clauses apply to MLRS/MLRS A1 carriers, or as denoted below shall not apply:

## F.10.2 Additional Clauses

- (a) F.O.B. Origin 52.247-29 (JUN 1988)
- (b) F.O.B. Origin-Carload & Truckload Shipments 52.247-48 (ARR 1984)
- (c) Loading, Blocking & Bracing of Freight Car Shipment 52.247-34 (APR 1984)
- (d) Shipment of Supplies and Detention of Carrier's Equipment TACOM 52.247-4005 (OCT 1994)

## F.10.3 Clause Not Applicable

- (a) F.O.B. Destination 52.247-34 (NOV 1991)

## F.11 SHIPPING INSTRUCTIONS

F.11.1 The Contractor shall request shipping instructions, in writing, from the cognizant Contract Administrative Office not later than 30 days prior to schedule dates for initial inspection/acceptance.

F.11.2 Unless otherwise directed, shipment of MLRS Carriers will be FOB origin to:

CLO8NE  
Lockheed Martin  
Highland Industrial Park Highway 205  
Post Office Box 1015  
Camden, AR 71701-0001

F.11.3 MLRS Carriers shall be shipped with an interior protective cover for the transparent armor for the driver, gunner and commander windshields.

## F.12 DELIVERY - FIELDING SCHEDULE DISCREPANCIES

F.12.1 If there are discrepancies between the delivery schedules and/or fielding schedules in Section B and F of the contract, Section F takes precedence.

## F.13 ACCEPTANCE DATE FOR VEHICLES/KITS

**CONTINUATION SHEET**

**Reference No. of Document Being Continued**

**PIIN/SIIN** DAAE07-01-C-M016

**MOD/AMD** P00098

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

F.13.1 Unless specified below, the date of vehicle/kit acceptance shall be the last working day in a given month.

F.14 FIELDING SCHEDULE BRADLEY M2A3 and M3A3

F.14.1 Program Year One Fielding Schedule - 109 vehicles (96 M2A3 and 13 M3A3)

Quantity	CLIN	Unit/Test	Location	Hand-off Date
1 M2A3	1001	PEI	PEI	Sep 02
1 M2A3	1001	Facility Vehicle	Santa Clara	Sep 02
3 M2A3	1001	OMNET	Ft. Hood	Oct 02
6 M2A3	1001	OPNET Trainer Certification	Ft. Hood	Oct 02
1 M2A3	1001	Ft. Greeley	Alaska	Jul 03
37 M2A3	1001	1/7 CAV	Ft. Hood	Jan 03
1 M3A3	1005	1/7 CAV	Ft. Hood	Jan 03
1 M2A3	1001	BDE/1 CAV	Ft. Hood	Mar 03
1 M2A3	1001	1/7 CAV	Ft. Hood	Apr 03
6 M2A3	1001	2/7 CAV	Ft. Hood	May 03
24 M2A3	1001	2/7 CAV	York	May 03
15 M2A3	1001	2/7 CAV	York	Jun 03
12 M3A3	1005	1/9 CAV	York	Jan 04

F.14.2 Program Year Two Fielding Schedule - 142 vehicles (46 M2A3, 40 M3A3, 56 A3 BFIST)

Quantity	CLIN	Unit/Test	Location	DD250 Date	Hand-off Date
1 A3 BFIST	2005 & 2008	Yuma/Test	YPG, AZ	Oct 03	Oct 03
1 A3 BFIST	2005 & 2008	Yuma/Test	YPG, AZ	Nov 03	Nov 03
1 A3 BFIST	2005 & 2008	WSMR/Test	WSMR, NM	Nov 03	Nov 03
1 A3 BFIST	2005 & 2008	Log Demo/OMNET	Ft. Hood	Mar 04	1 Jun 04
3 A3 BFIST	2005 & 2008	OMNET	Ft. Hood	Mar 04	1 Jun 04
9 A3 BFIST	2005 & 2008	4 ID	Ft. Hood	Mar 04	1 Jun 04
13 A3 BFIST	2005 & 2008	4 ID	Ft. Hood	May 04	3 for 1 Jun 04 6 for 1 Sep 04 4 for 1 Aug 05 (1CD OMNET)
21 A3 BFIST	2005 & 2008	1 CD	Ft. Hood	Sep 04	12 for 19 Sep 05 9 for 1 Oct 05
6 A3 BFIST	2005 & 2008	1 CD	Ft. Hood	Nov 04	3 Jan 06
1 M2A3	2001	FPT	APG	Jan 04	Jan 04
2 M2A3	2001	1/9 CAV	Ft. Hood	Dec 03	Dec 03
4 M2A3	2001	TRADOC	Ft. Benning	Jan 04	Jan 04
39 M2A3	2001	1/22/NF	Ft. Hood	Jul 04	Jul 04
30 M3A3	2005	1/7 CAV	Ft. Hood	Jan 04	Jan 04
9 M3A3	2005	TRADOC	Ft. Knox	Jun 04	Jun 04
1 M3A3	2005	FPT	YPG (Ship Feb 04)	Jul 04	Jul 04

F.14.3 Program Year Three Fielding Schedule - 138 vehicles (121 M2A3, 8 M3A3, 9 A3 BFIST)

Quantity	CLIN	Unit/Test	Location	DD250 Date	Hand-off Date
9 A3 BFIST	3005 & 3012	4 ID	Ft. Carson	Jun 05	4 for 28 Mar 05 5 for 16 Jun 05
8 M3A3	3005	TRADOC/Armor School	Ft. Knox	Jul 05	Jul 05
45 M2A3	3001	1/8/NF 4 ID	Ft. Carson	Jul 05	Jul 05
5 M2A3	3001	TRADOC	Ft. Knox	Jul 05	Jul 05
23 M2A3	3001	TRADOC	Ft. Benning	Jul 05	Jul 05
6 M2A3	3001	OMNET/4 ID	Ft. Carson (Ship Apr 05)	Aug 05	Aug 05
1 M2A3	3001	FPT	APG (Ship Mar 05)	Aug 05	Aug 05
39 M2A3	3001	1/8 NF 4 ID	Ft. Carson	Aug 05	Aug 05
2 M2A3	3001	EFPT	APG/YPG (Ship Jul 05)	Dec 05	Dec 05

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

Page 37 of 45

PIIN/SIIN DAAE07-01-C-M016

MOD/AMD P00098

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

F.15 FIELDING SCHEDULE BRADLEY M2A2 ODS and M2 ODS

F.15.1 Program Year One Fielding Schedule - 13 vehicles (13 M2A2 ODS)

Quantity	CLIN	Configuration	Customer	Location	Hand-Off Date
13	M2A2	1011 ODS	GA ARNG	Ft. Stewart, GA	30 August 2002

F.15.2 program Year two Fielding Schedule-33 vehicles (13M3A2 ODS, 20 M2A2 ODS)

QUANTITY	CLIN	CONFIGURATION	CUSTOMER	LOCATION	HAND-OFF DATE
13	2015AB	M3A2 ODS	GA ARNG	Ft. Stewart, GA	27 May 2004
10	2015AA	M2A2 ODS	GA ARNG	Ft. Riley, KS	31 January 2005

QUANTITY	CONFIGURATION	CUSTOMER	LOCATION	DD250 DATE	HAND-OFF DATE
10	2015AA	M2A2 ODS	Mississippi NG	Camp Shelby, MS	30 June 2004 31 January 2005

F.15.3 Kit Deliveries will be specified on B page of the Contract and Exhibits B and C of the Modification P00032.

F.15.4 Program Year Three Fielding Schedule - 63 vehicles (37 M2A2 ODS, 26 M3A2 ODS)

Quantity	Configuration	Customer	Unit/Test	Hand-Off Date
10	M2A2 ODS	Mississippi NG	OPNET	31 March 2005
5	M2A2 ODS	Mississippi NG	OMNET	31 January 2005
15	M2A2 ODS	Mississippi NG	OPNET	28 February 2005
5	M2A2 ODS	Mississippi NG	OPNET	31 March 2005
2	M2A2 ODS	Louisiana NG	OMNET/OPNET	31 August 2005
13	M3A2 ODS	Mississippi NG	OPNET	30 April 2005
13	M3A2 ODS	Louisiana NG	OMNET/OPNET	31 August 2005

FPT vehicle needed by October 2004

F.15.5 Deleted by Modification P00092

F.16 ODS OPTIONS -35 vehicles

Quantity	Configuration	CLIN	Ship To	DD250 Date	Hand-off Date
5	M2A2	1015AB	Ft. Riley, KS	May 2003	31 October 2003
8	M2A2	1015AB	Ft. Riley, KS	May 2003	07 November 2003
8	M2A2	1015AB	Ft. Riley, KS	June 2003	07 November 2003
4	M2A2	1015AB	Ft. Riley, KS	June 2003	16 December 2003
10	M2A2	1015AB	Ft. Riley, KS	January 2004	29 January 2004

Withhold = \$8,000/vehicle for deprocessing

Potential for DD250 at York or fielding site depending on parts availability.

F.17 ODS DIGITIZATION "A" KITS

F.17.1 All kits shall be delivered FOB Origin at a site identified by the Contractor. Inspection and acceptance shall be origin.

F.17.2 The Contractor may accelerate delivery of Kits only at no additional cost to the Government.

F.17.3 Required deliveries for Program Year One ODS Digitization "A" Kit requirements:

KIT	CLIN	QUANTITY	DELIVERY DATE
57K1594	ODS-E	1026	29 each March 2002
57K1594	ODS-E	1026	29 each June 2002
57K1589	ODS Applique	1025	29 each September 2002



**CONTINUATION SHEET**

Reference No. of Document Being Continued

Page 39 of 45

PIIN/SIIN DAAE07-01-C-M016

MOD/AMD P00098

Name of Offeror or Contractor: UNITED DEFENSE, L.P.

Oct 2002 (Dyncorp)

1 Lot

CY03	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
------	-----	-----	-----	-----	-----	-----	-----	-----	------	-----	-----	-----

CLIN 3030

Image Generators \_\_\_\_\_ 2 IGs

CLIN 3031

BATS Spares Fort Knox \_\_\_\_\_ 1 lot

F.20.1 UDLP shall deliver the spare IGs to the Fort Knox address specified in paragraph E.8. This shipment will be consolidated with the shipment of BATS trainers.

F.20.2 UDLP shall deliver the Lot of BATS spares to the Fort Knox address specified in paragraph E.8. This shipment will be consolidated with the shipment of BATS trainers.

F.20.3 UDLP shall perform the upgrade of the FY99 BATS-G as follows

	CY03	Jan	Feb	Mar	Apr
Fort Hood		5			
Fort Benning		4			
Fort Knox			4		

All cables and upgrade hardware for the BATS on CLIN 2030 will be delivered with the BATS units.

F.21 600 HP ENGINE INSTALLATION KIT

CLIN 3028AA

QUANTITY	DELIVERY DATE
1	30-JUN-2003
6	31-JUL-2003
6	30-AUG-2003
6	30-SEP-2003
5	31-OCT-2003

CLIN 3028AB

QUANTITY	DELIVERY DATE
7	APRIL 30, 2003
6	MAY 31, 2003
4	JUN 30, 2003

CLIN 3028AC -OPTION FOR QUANTITY OF 113

Deliveries will be determined at time of option exercise.

MODIFICATION P00040

BELOW DELIVERY DATES REPRESENTS THE DATES THE KITS WILL BE DD250 AT YORK.

CLIN 3028AD

Revised by modification P00047

QUANTITY	DELIVERY DATE
6	31-JUL-2003
7	29-AUG-2003
8	30-SEP-2003
7	31-OCT-2003

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

Page 40 of 45

PIIN/SIIN DAAE07-01-C-M016

MOD/AMD P00098

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

5	28-NOV-2003
5	31-DEC-2003
6	30-JAN-2004
7	27-FEB-2004
7	31-MAR-2004
7	30-APR-2004
7	28-MAY-2004
6	30-JUN-2004

CLIN 3028AE

QUANTITY	DELIVERY DATE
1	29-OCT-2003
6	28-NOV-2003
6	31-DEC-2003
6	30-JAN-2004
6	27-FEB-2004
6	31-MAR-2004
3	30-APR-2004

CLIN 3010 Delivery Requirement:

The 146 remanufactured 600 HP engines shall be delivered 31 Dec 05. Early delivery is acceptable.

F.22 COFT RECAP DELIVERY (60)F.22.1 FOB Destination clauses of the contract apply to the COFT RECAP.F.22.2 The contractor shall deliver 2 RECAP Modified COFTs TO FORT BENNING ready for training NLT 30 Sep 04.

The delivery schedule for the COFT RECAP kits and installation is provided below:

15	FORT BENNING, GA	09/04 thru 10/04
1	FORT BENNING, GA	03/05 (return of the I-COFT sent to UDLP Orlando facility)
5	KOREA	11/04
2	BAUMHOLDER - GERMANY	12/04
1	FRIEDBURG - GERMANY	12/04
1	BUEDINGEN - GERMANY	12/04
1	KITZINGIN - GERMANY	12/04
1	MAINZ- GERMANY	12/04
3	SCHWIENFURT- GERMANY	01/05
2	VILSECK - GERMANY	01/05
5	FORT STEWART, GA	01/05
2	KOSOVO	01/05
5	FORT HOOD, TX	02/05
4	FORT BLISS, TX	02/05
2	FORT SILL, OK	02/05
5	FORT CARSON. CO	03/05
2	FORT RILEY, KS	03/05
1	FORT IRWIN, CA	03/05 COFT AT UDLP

60 TOTAL Basic Quantity

F.22.2.2 Option Quantity

6	FORT KNOX, KY	04/05 (Option exercised in definitization modification P00098)
60	TBD	TBD (NTE price of \$120,000/unit) (Option valid thru 15 Nov 04)

**CONTINUATION SHEET****Reference No. of Document Being Continued****Page 41 of 45**

PIIN/SIIN DAAE07-01-C-M016

MOD/AMD P00098

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

In the event of a discrepancy in the COFT delivery schedule between Section B and Section F, Section F shall take precedence.

Below are the applicable shipping addresses:

FORT BENNING (303T)  
ATSH OTS  
US Army Infantry School  
Building 108  
Fort Benning, GA 31905-5273  
UIC: WOU201

FORT BLISS (601T)  
ATZC DPT TS  
US Army Air Defense Artillery Center and Fort Bliss  
Building 11214  
Fort Bliss, TX 79916-6816  
UIC: WOVH14

FORT CARSON (606F)  
AFZC DT TSC  
Fort Carson  
Building 6103  
Fort Carson, CO 80913-5000  
UIC: W80YML

FORT IRWIN (610F)  
AFZJ PTC  
National Training Center  
Building 496  
Fort Irwin, CA 92319-5000  
UIC: W4E6A1

FORT RILEY (502F)  
AFZN GT TS  
Fort Riley  
Building 263  
Fort Riley, KS 66442-6581  
UIC: WOVM31

FORT SILL (403T)  
ATZR TS  
US Army Field Artillery Center and Fort Sill  
Building 216  
Fort Sill, OK 73503-5100  
UIC: W3RBAA

FORT STEWART (305F)  
AFZP DTA  
3D Infantry Division and Fort Stewart  
Building 1079  
Fort Stewart, GA 31314-5000  
UIC: W33DL2

All Shipments to Germany and Korea will use the information below:

GERMANY:

Ship to -

Transportation Officer (DODDAC) W81J7R  
104th ASG  
Grossauheim Kaserne

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

Page 42 of 45

PIIN/SIIN DAAE07-01-C-M016

MOD/AMD P00098

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

Depot STR, Grossauheim  
63457 Hanau, Germany

Mark for -

Accountable Officer (DODDAC) W80PSN  
TNG SPT ACT EUR (TASE)  
Building 2528  
Gaugrfestr 24  
Ms. Marie Hellenthal  
DSN 320-3734, Com 069-78909734

KOREA:

Military Shipments -

Ship to -

305th Quartermaster Company  
US Army Supply Point #51 (SP#51)  
Unit # 15274  
DODDAC (TSAK) WT4KQXL  
Seol, Korea

Mark for -

Training Support Activity - Korea (TSAK)  
ATTN: Mr. Gamil  
Tel - Com 011-82-7914-7298; DSN 724-7298  
DODDAC (TSAK) WT4QXL  
Unit #15318, Bldg. 1164  
Camp Coiner, Yongsan  
Seol, Korea

For Commercial Shipments to Korea (Fed Ex, UPS, etc) -

Training Support Activity - Korea (TSAK)  
ATTN: Mr. Gamil, Tel - Com 011-82-7914-7298; DSN 724-7298  
Beard Street, Bldg. 1164  
Camp Coiner, Yongsan  
Seoul, Korea

F22.3 Training Device Software Rights (Reference C.90.4) shall be delivered to the Contracting Officer on or before delivery of the final RECAP COFT under the contract basic quantity NLT March 05. Early delivery is acceptable, at no additional cost.

## F.23 FIELDING SCHEDULE - BRADLEY OIF VEHICLES

<u>Quantity</u>	<u>CLIN</u>	<u>Unit/Test</u>	<u>Location</u>	<u>DD250 Date</u>	<u>Hand-off Date</u>
43	4005AA	TBD	TBD	30 April 2006	30 April 2006
43	4005AA	TBD	TBD	30 June 2006	30 June 2006
45	4005AA	TBD	TBD	30 August 2006	30 August 2006

## F.24 FIELDING SCHEUDLE - BRADLEY M7 BFIST VEHICLES

<u>Quantity</u>	<u>CLIN</u>	<u>Unit/Test</u>	<u>Location</u>	<u>DD250 Date</u>	<u>Hand-off Date</u>
13	4001AA	TBD	TBD	30 September 2005	30 September 2005

**CONTINUATION SHEET****Reference No. of Document Being Continued****Page 43 of 45****PIIN/SIIN** DAAE07-01-C-M016**MOD/AMD** P00098**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

5	4004AA	TBD	TBD	30 October 2005	30 October 2005
13	4003AA	TBD	TBD	30 April 2006	30 April 2006

\*\*\* END OF NARRATIVE F 001 \*\*\*

**CONTINUATION SHEET**

**Reference No. of Document Being Continued**

**Page 44 of 45**

**PIIN/SIIN** DAAE07-01-C-M016

**MOD/AMD** P00098

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

SECTION G - CONTRACT ADMINISTRATION DATA

LINE	PRON/ AMS CD/ <u>ITEM</u> <u>MIPR</u>	<u>ACRN</u>	<u>OBLG STAT/</u> <u>JOB ORD NO</u>		<u>PRIOR AMOUNT</u>	<u>INCREASE/DECREASE</u> <u>AMOUNT</u>		<u>CUMULATIVE</u> <u>AMOUNT</u>
4000AB	7246F57572 31103450004 A14P30042R72	AY	1 4ZGBTM	\$	700,000.00	\$ 672,088.00	\$	1,372,088.00
4000AC	7236F58472 31103450006 A13P300672TM	AX	1 3ZGBTM	\$	2,700,000.00	\$ 2,413,218.00	\$	5,113,218.00
4000AD	7246F58072 31103450004 A14P30042R72	AY	1 4ZGBTM	\$	900,000.00	\$ -900,000.00	\$	0.00
					NET CHANGE	\$		2,185,306.00

<u>SERVICE</u> <u>NAME</u>	<u>NET CHANGE</u> <u>BY ACRN</u>	<u>ACCOUNTING CLASSIFICATION</u>			<u>ACCOUNTING</u> <u>STATION</u>	<u>INCREASE/DECREASE</u> <u>AMOUNT</u>
Army	AX	21	32033000035R5R03P31103431E9	S20113	W56HZV	\$ 2,413,218.00
Army	AY	21	42033000045R5R03P31103431E9	S20113	W56HZV	\$ -227,912.00
						NET CHANGE \$ 2,185,306.00

	<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:	\$ 1,045,827,499.78	\$ 2,185,306.00	\$ 1,048,012,805.78

**CONTINUATION SHEET**

**Reference No. of Document Being Continued**

**Page 45 of 45**

**PIIN/SIIN** DAAE07-01-C-M016

**MOD/AMD** P00098

**Name of Offeror or Contractor:** UNITED DEFENSE, L.P.

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 034	BRADLEY COFT RECAP DISTRIBUTION			