

**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

1. Contract ID Code  
Firm Fixed Price

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2. Amendment/Modification No. P00005	3. Effective Date 2013NOV25	4. Requisition/Purchase Req No. SEE SCHEDULE	5. Project No. (If applicable)
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6. Issued By U.S. ARMY CONTRACTING COMMAND TYRONE MCCULLOM WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL  EMAIL: TYRONE.MCCULLOM@US.ARMY.MIL	Code W56HZV	7. Administered By (If other than Item 6) DCMA DALLAS 600 N PEARL STREET SUITE 1630 DALLAS TX 75201-2843	Code S4402A
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8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)  KALMAR RT CENTER LLC 103 GUADALUPE DR CIBOLO, TX 78108-3144	<input type="checkbox"/>	9A. Amendment Of Solicitation No.
	<input type="checkbox"/>	9B. Dated (See Item 11)
	<input checked="" type="checkbox"/>	10A. Modification Of Contract/Order No. W56HZV-12-C-0382
	<input type="checkbox"/>	10B. Dated (See Item 13) 2012SEP28
Code INWY2	Facility Code	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers

is extended,  is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning \_\_\_\_\_ copies of the amendments; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. **FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.** If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

**12. Accounting And Appropriation Data (If required)**

NO CHANGE TO OBLIGATION DATA

**13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS  
It Modifies The Contract/Order No. As Described In Item 14.**

<input type="checkbox"/>	A. This Change Order is Issued Pursuant To: The Contract/Order No. In Item 10A.	The Changes Set Forth In Item 14 Are Made In
<input type="checkbox"/>	B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).	
<input checked="" type="checkbox"/>	C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of:	FAR PART 43.103 (A) (3)
<input type="checkbox"/>	D. Other (Specify type of modification and authority)	

E. IMPORTANT: Contractor  is not,  is required to sign this document and return \_\_\_\_\_ copies to the Issuing Office.

**14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

SEE SECOND PAGE FOR DESCRIPTION

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name And Title Of Signer (Type or print)	16A. Name And Title Of Contracting Officer (Type or print) TRISH PIERCE TRISH.PIERCE@US.ARMY.MIL (586)282-8128		
15B. Contractor/Offeror  (Signature of person authorized to sign)	15C. Date Signed	16B. United States Of America By _____ /SIGNED/ (Signature of Contracting Officer)	16C. Date Signed 2013NOV25

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PIIN/SIIN W56HZV-12-C-0382

MOD/AMD P00005

**Name of Offeror or Contractor:** KALMAR RT CENTER LLC

## SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name: TYRONE MCCULLOM  
Buyer Office Symbol/Telephone Number: CCTA-HBF-C/(586)282-3527  
Type of Contract: Firm Fixed Price  
Kind of Contract: Other  
Type of Business: Large Business Performing in U.S.  
Surveillance Criticality Designator: C  
Weapon System: No Identified Army Weapons Systems

\*\*\* End of Narrative A0000 \*\*\*

1. The purpose of modification P00005 to base contract W56HZV-12-C-0382 is the following:
  - A. Change the delivery date for CLIN 0004AA Exercised Option RFPTTA to the following:

From: 23 October 2013

To: 12 December 2013
  - B. Add the following Items, C.5, C.5.1, C.5.1.1, C.5.1.2, C.5.1.3, and C.5.1.4 to Section C at no cost to the Government. The following enhancements to the RFPTTA are provided by the contractor as consideration for extending the delivery date for CLIN 0004AA.
    - C.5. RTCH Folding Part Task Training Aid Enhancements
      - C.5.1. Design of RFPTTA to allow an operator to sit in the RTCH Cab while the cab is in motion. The RFPTTA will support the weight of an operator (up to 250 lbs) while the cab shifts, lowers and raises.
        - C.5.1.1. Design of the RFPTTA to allow the system to be disassembled. The new size dimensions of the RFPTTA are as follows: 15' wide, 12' deep and 10' high.
        - C.5.1.2. Design of the RFPTTA to provide a cab lift in approximately 5.7 seconds.
        - C.5.1.3. Multiple sensors (16) added across the RFPTTA to allow for improved safety and reliability of the RFPTTA.
        - C.5.1.4. The ability to completely control the movement of the RFPTTA has been added to the design, thus allowing the student operator, for example, to stop the movement or vary the speed at any point along the way and to reverse movement if desired.
2. As a result of modification P00005 to contract W56HZV-12-C-0382, the total value remains the same at \$2,457,018.74.
3. All other terms and conditions remain unchanged and in full force and effect.

\*\*\* END OF NARRATIVE A0005 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued  
 PIIN/SIIN W56HZV-12-C-0382 MOD/AMD P00005

Name of Offeror or Contractor: KALMAR RT CENTER LLC

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT																		
0004AA	<p>SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS</p> <p><u>EXERCISED OPTION RFPTTA</u></p> <p>GENERIC NAME DESCRIPTION: Folding Part Task Tr                      CLIN CONTRACT TYPE:                      Firm Fixed Price                      PRON: P136T0032T PRON AMD: 02 ACRN: AD                      PSC: 9999</p> <p><u>Packaging and Marking</u>                      PACKAGING/PACKING/SPECIFICATIONS:                      SEE PACKAGING CLAUSE FOR DETAILS                      LEVEL PRESERVATION: Commercial                      LEVEL PACKING: Commercial</p> <p><u>Inspection and Acceptance</u>                      INSPECTION: Destination ACCEPTANCE: Destination</p> <p><u>Deliveries or Performance</u>                      DOC SUPPL  <table border="0"> <tr> <td><u>REL CD</u></td> <td><u>MILSTRIP</u></td> <td><u>ADDR</u></td> <td><u>SIG CD</u></td> <td><u>MARK FOR</u></td> <td><u>TP CD</u></td> </tr> <tr> <td>001</td> <td>W56HZV3032T001</td> <td>W26ALA</td> <td>J</td> <td></td> <td>3</td> </tr> </table> <table border="0"> <tr> <td><u>DEL REL CD</u></td> <td><u>QUANTITY</u></td> <td><u>DEL DATE</u></td> </tr> <tr> <td>001</td> <td>1</td> <td>12-DEC-2013</td> </tr> </table> <p>FOB POINT: Destination</p> <p>SHIP TO:                      (W26ALA) PR W1D7 USATSCH                      1030 REAR ACCESS ROAD                      BLDG 6242                      FORT LEE,VA,23801-6000</p> <p>The SHIP TO Address for DODAAC (W26ALA) is for Ft. Eustis, VA not Ft. Lee, VA.</p> <p>The Ft. Eustis address is as follows:                      DODAAC (W26ALA)                      US Army Transportation School                      839 Lee Blvd.                      Ft. Eustis, VA 23604</p> <p>POC: Mr. William Elburn                      PHONE: (757) 817-7807                      EMAIL: William.elburn@us.army.mil</p> <p>(End of narrative F004)</p> </p>	<u>REL CD</u>	<u>MILSTRIP</u>	<u>ADDR</u>	<u>SIG CD</u>	<u>MARK FOR</u>	<u>TP CD</u>	001	W56HZV3032T001	W26ALA	J		3	<u>DEL REL CD</u>	<u>QUANTITY</u>	<u>DEL DATE</u>	001	1	12-DEC-2013	1	EA	\$ 255,843.77000	\$ 255,843.77
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SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

C.1. Background. Use of Rough Terrain Container Handlers to train operators is not an acceptable approach as it ties up critical Army material handling assets that are needed to support ongoing operations worldwide. For this reason, the RTCH Electronic Training Aid (RETA) was procured by PM CE/MHE to support U.S. Army Training and Doctrine Command (TRADOC) institutional operator training in a classroom setting. The original RETA is now technologically out-of-date and needs a technology upgrade. Current state-of-the-art training simulation technology is now available and affordable which can provide the soldier a fully immersed, interactive, operationally-realistic training experience in a safe and controlled environment. Also, in response to the frequent occurrence of hardware damage caused by operator error when preparing the RTCH in transportation mode, a new RTCH Folding Part Task Training Aid (RFPTTA) will need to be developed.

C.2. Objectives. This statement of work covers two types of training aids for the RTCH for use in classroom operator instruction as defined in paragraphs C.3 and C.4.

C.2.1. RTCH Electronic Training Aid (RETA) Upgrade which includes:

C.2.1.1. Design, fabrication, integration, and verification of a prototype RETA upgrade.

C.2.1.2. Production and delivery of three upgraded RETAs

C.2.1.3. Training, warranty and preventive maintenance service.

C.2.2. RTCH Folding Part Task Training Aid (RFPTTA) OPTION which includes:

C.2.2.1. Design, fabrication, integration, verification and delivery of one RFPTTA.

C.2.2.2. Training, warranty and preventive maintenance service.

C.3. RTCH Electronic Training Aid Upgrade

C.3.1. Government Furnished Equipment (GFE). Four RETAs will be provided to the contractor as GFE (NSN: 6910-01-583-9516; CAGE: 1NWX2; Part Number: RTCH-55-56 RT). The contractor shall incorporate this GFE into the design and fabrication of the RETA Upgrade. Each RETA GFE package will include the seat, steering and controls console, right equipment console, 790 computer and 795 computer. The GFE will be provided within 2 weeks of contract award and the Government will ship the GFE. The Contractor shall submit a Condition Assessment Report in accordance with CDRL A005.

C.3.2. Prototype RTCH Electronic Training Aid (RETA) Upgrade. The contractor shall design, fabricate and test an upgraded RETA prototype that meets the performance and design requirements specified in the Attachment 1: RTCH Training Aid Specification.

C.3.2.1. Preliminary Design Review. The contractor shall conduct a preliminary design review (PDR) meeting at the contractors facility with Government representatives to review the contractors proposed design of the RETA upgrade configuration within 90 days after contract award.

C.3.2.2. Prototype Verification Test. The contractor shall conduct a verification test at the contractors facility within 180 days after the PDR to demonstrate the prototype RTCH Electronic Training Aid (RETA) upgrade fully satisfies the Government performance and design requirements in the RTCH Electronic Training Aid Specification. The contractor shall prepare and submit Verification Test Procedures to include checklists and data sheets IAW CDRL A001. The contractor shall notify the Government at least 14 days prior to the scheduled test start date and shall conduct the test in accordance with the approved Verification Test Procedures. The contractor shall prepare and deliver a Prototype Verification Test Report IAW CDRL A002.

C.3.3. Configuration Management. The contractor shall document and manage control of the RETA upgrade design configuration baseline upon the Governments approval of the RETA upgrade configuration and Prototype Verification Test Report.

C.3.4. Production RETA Upgrade.

C.3.4.1. Production Units. The contractor shall upgrade three GFE RETAs in accordance with the design configuration baseline.

C.3.5. Inspection and Acceptance Test (IAT). The contractor shall install all four upgraded RETAs and shall conduct an Inspection and Acceptance Test (IAT) at the Governments training facility at Ft. Eustis, VA. The IAT shall verify full hardware and software serviceability and functionality of the installed upgraded RETAs and will be used as the basis of Government acceptance of each device. The contractor shall prepare and submit IAT Procedures IAW CDRL A003 to include checklists and data recording sheets. The IAT Procedures shall be used by the contractor to test and verify the physical and functional characteristics of the upgraded RETA after installation.

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C.3.6. Operation & Maintenance Manual. The contractor shall prepare and submit an Operation & Maintenance manual IAW CDRL A004 to describe all the features, setup and configuration instructions, operating procedures and maintenance instructions. The contractor shall include all commercial literature, instructions and manuals that were provided by component suppliers in an Appendix of the manual.

C.3.7. Training. The contractor shall provide a one day familiarization course to train up to eight instructors on how to effectively use the upgraded RETA. The course shall also include performing basic maintenance on the hardware components of the training aid. Training shall be conducted at the Governments training facility at Ft. Eustis, VA.

C.3.8. Annual Inspection and Service. At the end of each year of the warranty period, the contractor shall provide a service technician to travel to each RETA site and perform the following functions:

- Clean or replace as required all appropriate filters
- Lubricate motion base bearings and recalibrate controls
- Check and replace as required all student station lights and switches
- Reseat all PCBs and connectors
- Test display panels and realign
- Clean and check printer
- Tighten all appropriate bolts and screws
- Any repair support required would also be accomplished
- Annual inspection and service includes all travel, parts (with the exception of consumable material, e.g., toner cartridge), and labor.

All warranty work and associated travel are at no additional cost to the Government.

C.4. RTCH Folding Part Task Training Aid (RFPTTA) OPTION

C.4.1. RFPTTA. The contractor shall design, fabricate and test a RFPTTA that meets the performance and design requirements specified in the RTCH Folding Part Task Training Aid Specification.

C.4.1.1. Preliminary Design Review. The contractor shall conduct a preliminary design review (PDR) at the contractors facility with Government representatives to review the contractors proposed design of the RFPTTA configuration within 90 days after contract award.

C.4.1.2. Verification Test. The contractor shall conduct a verification test at the contractors facility within 180 days after the PDR to demonstrate the RFPTTA fully satisfies the Government performance and design requirements in the RTCH Folding Part Task Training Aid Specification. The contractor shall prepare and submit Verification Test Procedures to include checklists and data sheets IAW CDRL B001. The contractor shall notify the Government at least 14 days prior to the scheduled test start date and shall conduct the test in accordance with the approved Verification Test Procedures. The contractor shall prepare and deliver a test report IAW CDRL B002.

C.4.1.3. Government Furnished Equipment (GFE). Upon exercising the RFPTTA option, one RETA will be provided to the contractor as GFE (NSN: 6910-01-583-9516; CAGE: 1NWY2; Part Number: RTCH-55-56-RT). The contractor shall incorporate this GFE into the design and fabrication of the RFPTTA. The RFPTTA RETA GFE package will include the seat, steering and controls console, right equipment console, the 790 computer and the 795 computer. The Government will ship the GFE. The Contractor shall submit a Condition Assessment Report in accordance with CDRL A005.

C.4.2. On Site Installation, Inspection and Acceptance Test (IAT). The contractor shall install the RFPTTA and shall conduct an inspection and acceptance test (IAT) at the Governments training facility at Ft. Eustis, VA. The IAT shall verify full hardware and software serviceability and functionality of the RFPTTA configuration and will be used as the basis of Government acceptance. The contractor shall prepare and submit IAT Procedures IAW CDRL B003 to include checklists and data sheets. The IAT Procedures shall be used by the contractor to test and verify the physical and functional characteristics of the RFPTTA after installation.

C.4.3. Operation & Maintenance (O&M) Manual. The contractor shall prepare and submit an O&M Manual for the RFPTTA IAW CDRL B004 to describe all the features, setup and configuration instructions, general operation and maintenance instructions. The contractor shall include all commercial literature, instructions and manuals that were provided by component suppliers in an Appendix of the manual.

C.4.4. Training. The contractor shall provide a one day familiarization course to train up to eight instructors on how to effectively use the RFPTTA. The course shall also include performing basic maintenance on the hardware components of the training aid. Training shall be conducted at the Governments training facility at Ft. Eustis, VA.

C.4.5 Annual Inspection and Service. At the end of the each year of the warranty period, the contractor shall provide a service technician to travel to the Government training site and perform the following functions:

- Clean or replace as required all appropriate filters
- Lubricate bearings

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Recalibrate controls  
Check and replace as required all student station lights and switches  
Reseat all PCBs and connectors  
Test display panels and realign  
Tighten all appropriate bolts and screws  
Any repair support required would also be accomplished  
Annual inspection and service include all travel, parts and labor.

**C.5. RTCH Folding Part Task Training Aid Enhancements**

C.5.1. Design of RFPTTA to allow an operator to sit in the RTCH Cab while the cab is in motion. The RFPTTA will support the weight of an operator (up to 250 lbs) while the cab shifts, lowers and raises.

C.5.1.1. Design of the RFPTTA to allow the system to be disassembled. The new size dimensions of the RFPTTA are as follows: 15' wide, 12'deep and 10' high.

C.5.1.2. Design of the RFPTTA to provide a cab lift in approximately 5.7 seconds.

C.5.1.3. Multiple sensors (16)are added across the RFPTTA to allow for improved safety and reliability of the RFPTTA.

C.5.1.4. The ability to completely control the movement of the RFPTTA has been added to the design, thus allowing the student operator, for example to stop the movement or vary the speed at any point along the way and to reverse movement if desired.

\*\*\* END OF NARRATIVE C0001 \*\*\*