

2. Amendment/Modification No. P00008	3. Effective Date 2004AUG24	4. Requisition/Purchase Req No. SEE SCHEDULE	5. Project No. (If applicable)
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6. Issued By TACOM WARREN AMSTA-AQ-ADBB DONALD ALEXANDER (586)574-5013 WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: ALEXANDDD@TACOM.ARMY.MIL	Code	W56HZV	7. Administered By (If other than Item 6) DCMA SAN ANTONIO 615 EAST HOUSTON STREET P.O. BOX 1040 SAN ANTONIO TX 78294-1040	Code	S4404A
			SCD C PAS NONE ADP PT HQ0339		

8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code) KALMAR RT CENTER LLC 103 GUADALUPE DRIVE CIBOLO, TX. 78108-1028 TYPE BUSINESS: Domestic Firm Performing Outside U.S.	<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. DAAE07-00-D-T021
	<input type="checkbox"/>	10B. Dated (See Item 13) 2000APR14
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 52.212-4(c)	
<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

Contract Expiration Date: 2007JUN30

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) J. CHECK-SANCHEZ CHECKSAJ@TACOM.ARMY.MIL (810)574-8283		
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 2004AUG24

CONTINUATION SHEET**Reference No. of Document Being Continued****Page 2 of 5****PIIN/SIIN** DAAE07-00-D-T021**MOD/AMD** P00008**Name of Offeror or Contractor:** KALMAR RT CENTER LLC

SECTION A - SUPPLEMENTAL INFORMATION

Contract: DAAE07-00-D-T021
Delivery Order:
Modification: P00008
Reason for Modification: Change to IETM scope of work.

Amount this modification: \$ 00.00
Prior Contract Amount: \$182,644,515.89
New Contract amount: \$182,644,515.89

This is a bilateral modification.

Modification P00008 changes Section I SOW Paragraph 29.2.1 as follows;

Paragraph was:

29.2.1 INTERACTIVE ELECTRONIC TECHNICAL MANUALS (IETMs) CLIN 1011 ELIN A015 CDRL A011

1. Contractor shall develop IETMs to support the RTCH based upon the requirements in paragraph 29.2 sub-paragraph 1 above.
2. The IETMs prepared shall be Standardized General Mark-up Language (SGML) SGML-based and shall meet the requirements of MIL-PRF-87268 and MIL-PRF-87269. Illustrations shall meet requirements of MIL-PRF-28002 or MIL-PRF-28003. TACOM owns all rights to an SGML based IETM software package, including Document Type Definitions (DTDs) that allow authority in MS Word for SGML. The contractor shall use this software package called EMS2. TACOM will provide this software as Government Furnished Information (GFI).
3. Content of the IETMs shall meet the content requirements of MIL-STD-40051A as appropriate for electronic technical manuals.
4. If SGML tagging and DTDs from MIL-STD-2361 are used, tags must be mapped to appropriate tags for the software used to run the final IETM. If other SGML tagging and DTDs are used, requirements of MIL-PRF-28000 and MIL-PRF-28001 must be met.
5. IETM(s) shall be delivered on ISO 9660 CD-ROM. IETM(s) shall be delivered postage prepaid to: US Army Tank-automotive and Armaments Command, to addressees identified on the DD Form 1423.
6. IETMs must run in Windows 95.
7. IETMs must be capable of displaying on both a color monitor and a monochrome monitor. Wherever color is used, the same functionality must be present for users with a monochrome display system (such as the Contact Test Set or SPORT).
8. The IETMs must display at a resolution of 800 x 600 (super VGA) and 256 colors (or 256 gray tones).
9. Reserved
10. The IETMs shall include the ability for users to post electronic notes.
11. The IETMs shall provide users the capability to set bookmarks.
12. The IETMs shall be linked to the extent specified below:
 - a. Associated troubleshooting, maintenance, and RPSTL information shall be linked.
 - b. All references within the IETMs shall be linked.
 - c. References to documents external to the IETMs, and included on the CD shall be linked.
 - d. Menu entries will serve as a "table of contents" and shall be linked. The main menu shall include all pertinent information in the IETMs, to include general information, operation procedures, PMCS tasks, maintenance procedures, schematics, illustrations, videos, databases of expendables, repair parts, make-from items, bulk materials, toolkits, etc.(content required by MIL-STD-40051).
 - e. Individual procedures that contain set-up information with references will include links to the referenced information.

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13. The IETMs shall contain conventional help screens.

14. The IETMs shall be developed so that delivery to users will require no run-time license fee.

15. The IETM troubleshooting shall be capable of intrusive diagnostic testing through a data bus conforming to IEEE 488 RS-232, RS-422, SAE J1708, or SAE J1939. This capability will allow a mechanic to send and receive diagnostic data between the IETM and the on-board ECUs/ECMs via the data bus. This data communication shall be fully integrated into the IETM: troubleshooting trees shall send, receive and interpret diagnostic data streams and branch appropriately to the next step.

Paragraph changed to:

29.2.1 Interactive Electronic Technical Manuals (IETMs) On-Board Diagnostics.

1. Contractor shall develop on-board diagnostic (OBD) to support the RTCH based upon the requirements as set forth in this Scope of Work. The OBD shall be incorporated in the Phase 2 (production) version of the Kalmar RTCH, offer all the required diagnostics to allow the crew to define the system's operational status.

2. Content of the OBD shall meet the content requirements of MIL-STD-40051 as appropriate for electronic technical manuals.

3. The error codes and corrective actions are included in the published TM's. Any further changes in the TM'S will be incorporated into the error codes.

4. Menu entries will serve as a "table of contents". The main menu shall include all pertinent information in the OBD, to include general information, operation procedures, PMCS tasks, maintenance procedures, schematics, illustrations.

5. The on-board diagnostics shall contain conventional help screens.

6. The OBD troubleshooting shall be capable of intrusive diagnostic testing. This capability will allow a mechanic to send and receive diagnostic data between the on-board IETM and the on-board ECUs/ECMs via the data bus.

29.2.2 Perform Maintenance Analysis and document a Maintenance Analysis Summary for the RT240 Rough Terrain Container Handler (RTCH), NSN 3930-01-473-3998.

1. The contractor shall perform and deliver a Logistics Management Information (LMI) Summary called a Maintenance Analysis for the RTCH. The Analysis shall reflect the approved production configuration of the vehicle as delivered under contract DAAE07-00-D-T021 and shall be prepared in accordance with Attachment 009 and delivered in accordance with CDRL A011.

The original maintenance allocation chart published in the RTCH manuals and the "new" Two Level Maintenance Chart will be analyzed to determine/validate the maintenance philosophy to be used on the RTCH under the Two Level Maintenance Concept.

All other terms and conditions of the basic contract remain unchanged and in full force and effect.

*** END OF NARRATIVE A 008 ***

CONTINUATION SHEET

Reference No. of Document Being Continued
 PIIN/SIIN DAAE07-00-D-T021 MOD/AMD P00008

Name of Offeror or Contractor: KALMAR RT CENTER LLC

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS				
1011	<p><u>CONTRACT DATA REQUIREMENTS</u></p> <p>SECURITY CLASS: Unclassified</p>				
A015	<p><u>RTCH - MAINT ANALYSIS CDRL A011</u></p> <p>NOUN: RTCH MAINTENANCE ANALYSIS SECURITY CLASS: Unclassified</p> <p>Deliver IETM analysis of -10, -24, -34, -20, and -12 manuals for government review.</p> <p>Deliver maintenance analysis per attachment 009 and CDRL A011.</p> <p>(End of narrative B001)</p> <p><u>Description/Specs./Work Statement</u> PROCUREMENT DOCUMENTATION TITLE: MAINTENANCE ANALYSIS PROCUREMENT DOCUMENTATION LOCATION: ADDENDA: 09</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p>		BK		\$ 287,547.00

CONTINUATION SHEET

Reference No. of Document Being Continued

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Name of Offeror or Contractor: KALMAR RT CENTER LLC

SECTION J - LIST OF ATTACHMENTS

<u>List of Addenda</u>	<u>Title</u>	<u>Date</u>	<u>Number of Pages</u>	<u>Transmitted By</u>
Exhibit A	CONTRACT REQUIREMENTS DATA LIST (CDRL)		001	EMAIL
Attachment 009	RTCH MAINTENANCE ANALYSIS	23-AUG-2004	001	EMAIL

RTCH Maintenance Analysis

CDRL A011 REF: C.2
LMI Maintenance Analysis DATE: 13 May 2004
DESCRIPTION OF WORK

Perform a maintenance analysis and document a Maintenance Analysis Summary for the RTCH. This analysis shall determine the maintainability characteristics of the system and shall be in an end item hardware breakdown sequence. The following are required data elements for this summary:

- " Indenture Code
- " Component/Assembly Name
- " Functional Group Code (FGC)
- " Maintenance Function/Task
- " Source, Maintenance & Recoverability (SMR) Code
- " Task Time
- " Task Frequency (annual basis based on operating hours)
- " Level of Maintenance Task
- " Military Occupational Specialty required
- " Annual Maintenance Man hours (AMMH) calculation

The original maintenance allocation chart published in the RTCH manuals and the "new" Two Level Maintenance Chart will be analyzed to determine/validate the maintenance philosophy to be used on the RTCH. The instructions are to base the new MAS on the latest version of a Two Level Theory of support.

Additionally, any new maintenance procedures developed since the delivery of the original manuals, the latest PMR (frozen at the time of contract award), and any new parts and support information will be required to perform this analysis. Special tool requirements that would be added, estimated Kalmar historic repair times and the standardized Kalmar mechanic's rate will be used during the development of this maintenance analysis document. Recommended MAC updates will be provided as part of this efforts deliverables.

This Maintenance Analysis will require a GFE'd current production configuration RT 240 in fully operational condition. The PM office must decide if all or any of the proposed A2 MODS are to be included in the revised MAC and MAS.