

**ORDER FOR SUPPLIES OR SERVICES**

<b>1. CONTRACT PURCH ORDER/AGREEMENT NO.</b> DAAE07-98-D-T065				<b>2. DELIVERY ORDER/CALL NO.</b> 0051		<b>3. DATE OF ORDER/CALL (YYYYMMDD)</b> 2004AUG23		<b>4. REQUISITION/PURCH REQUEST NO.</b> SEE SCHEDULE		<b>5. PRIORITY</b> DOA4			
<b>6. ISSUED BY</b> TACOM WARREN AMSTA-AQ-ATAA DIANE L.. STANLEY (586)574-8506 WARREN, MICHIGAN 48397-5000 EMAIL: STANLEYD@TACOM.ARMY.MIL HTTP://CONTRACTING.TACOM.ARMY.MIL			<b>CODE</b> W56HZV	<b>7. ADMINISTERED BY (if other than 6)</b> DCMA BALTIMORE 217 EAST RED WOOD ST SUITE 1800 BALTIMORE, MD 21202-5299				<b>CODE</b> S2101A		<b>8. DELIVERY FOB</b> <input type="checkbox"/> DESTINATION <input checked="" type="checkbox"/> OTHER (See Schedule if other)			
<b>9. CONTRACTOR</b> DUCOM INC 850 SLIGO AVE STE 700 SILVER SPRING, MD. 20910-4786  NAME AND ADDRESS  TYPE BUSINESS: Small Disadvantaged Business Performing in U.S.			<b>CODE</b> OMXH1	<b>FACILITY</b>	<b>10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD)</b> SEE SCHEDULE			<b>11. X IF BUSINESS IS</b> <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input checked="" type="checkbox"/> WOMAN-OWNED		<b>12. DISCOUNT TERMS</b>			
<b>13. MAIL INVOICES TO THE ADDRESS IN BLOCK</b> See Block 15						<b>14. SHIP TO</b> SEE SCHEDULE			<b>15. PAYMENT WILL BE MADE BY</b> DFAS-COLUMBUS CENTER DFAS-CO/SOUTH ENTITLEMENT OPERATION P.O. BOX 182264 COLUMBUS, OH 43218-2264		<b>MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2</b>		
<b>16. TYPE OF ORDER</b>	<b>DELIVERY/ CALL</b>	<input checked="" type="checkbox"/>	THIS DELIVERY ORDER IS ISSUED ON ANOTHER GOVERNMENT AGENCY OR IN ACCORDANCE WITH AND SUBJECT TO TERMS AND CONDITIONS OF ABOVE NUMBERED CONTRACT.										
<b>PURCHASE</b>			Reference your <input type="checkbox"/> Oral <input type="checkbox"/> Written Quotation _____, Dated _____, furnish the following on terms specified herein.										
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.													
NAME OF CONTRACTOR			SIGNATURE			TYPED NAME AND TITLE			DATE SIGNED (YYYYMMDD)				
<input type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:													
<b>17. ACCOUNTING AND APPROPRIATION DATA/LOCAL USE</b> SEE SCHEDULE													
<b>18. ITEM NO.</b>	<b>19. SCHEDULE OF SUPPLIES/SERVICE</b>				<b>20. QUANTITY ORDERED/ ACCEPTED*</b>	<b>21. UNIT</b>	<b>22. UNIT PRICE</b>	<b>23. AMOUNT</b>					
	SEE SCHEDULE CONTRACT TYPE: Time-and-Materiels  KIND OF CONTRACT: Service Contracts												
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.				<b>24. UNITED STATES OF AMERICA</b> MARY L. MCCULLOUGH /SIGNED/ MCCULLOM@TACOM.ARMY.MIL (586)574-5268				<b>25. TOTAL</b>		<b>\$1,470,000.00</b>		<b>26. DIFFERENCES</b>	
<b>27a. QUANTITY IN COLUMN 20 HAS BEEN</b> <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO CONTRACT EXCEPT AS NOTED													
<b>b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE</b>					<b>c. DATE (YYYYMMDD)</b>		<b>d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE</b>						
<b>e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE</b>					<b>28. SHIP. NO.</b>		<b>29. D.O. VOUCHER NO.</b>		<b>30. INITIALS</b>				
<b>f. TELEPHONE NUMBER</b>		<b>g. E-MAIL ADDRESS</b>			<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		<b>32. PAID BY</b>		<b>33. AMOUNT VERIFIED CORRECT FOR</b>				
<b>36. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT.</b>					<b>31. PAYMENT</b> <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		<b>34. CHECK NUMBER</b>		<b>35. BILL OF LADING NO.</b>				
<b>a. DATE (YYYYMMDD)</b>	<b>b. SIGNATURE AND TITLE OF CERTIFYING OFFICER</b>				<b>37. RECEIVED AT</b>	<b>38. RECEIVED BY (Print)</b>	<b>39. DATE RECEIVED (YYYYMMDD)</b>	<b>40. TOTAL CONTAINERS</b>	<b>41. S/R ACCOUNT NUMBER</b>	<b>42. S/R VOUCHER NO.</b>			

**CONTINUATION SHEET****Reference No. of Document Being Continued****Page 2 of 15**

PIIN/SIIN DAAE07-98-D-T065/0051

MOD/AMD

**Name of Offeror or Contractor:** DUCOM INC

## SUPPLEMENTAL INFORMATION

The Contract shall inspect and bring 7 RT875CC vehicles to 10/20 standards plus 3D (Delayed Desert Damage) IAW Technical Manual (TM) requirements in accordance with the Scope of Work (SOW) located in Section C of this Task Order.

The Ceiling Dollar amount of this Task Order is \$1,470,000.00 broken out as follows:

The ceiling Labor dollar amount (CLIN 0001AA) for this Task Order is \$ 243,761.41.

The ceiling Travel dollar amount (CLIN 0001AB) for this Task Order is \$22,828.97.

The ceiling Material dollar amount (CLIN 0001AC) for this Task Order is \$66,276.93.

The ceiling Repair Parts dollar amount (CLIN 0001AD) for this Task Order is \$1,137,132.69.

The "Maximum" Labor Hours authorized under this Task Order are listed below by Fiscal Year and Labor Category:

FY 04	LABOR CATEGORY	HOURS
	Program Manager (DUCOM)	18
	Logistic Manager/Engineer (DUCOM)	36
	Program Manager (VSE)	63
	Systems Engineer (VSE)	88
	Logistics Manager/Engineer (VSE)	250
	Provisioner (VSE)	36
	Technical Writer (VSE)	72
	Construction Equip Repairer (VSE)	141
	Hydraulic Repairman (VSE)	90
	Electronic Tech/Mechanic (VSE)	64

FY 05

Program Manager (DUCOM)	56
Logistics Manager/Engineer (DUCOM)	112
Program Manager (VSE)	159
Systems Engineer (VSE)	164
Logistics Manager/Engineer (VSE)	808
Provisioner (VSE)	108
Technical Writer (VSE)	192
Construction Equipment Repairer (VSE)	468
Hydraulic Repairman (VSE)	274
Electronic Tech/Mechanic (VSE)	202

Per Section 2 of the Scope of Work, the contractor will inform and receive approval to continue repairs from the Contracting Officer when repair costs for a vehicle are estimated to exceed 50% (250,000.00) of the total vehicle replacement cost.

The contractor shall provide invoices for all Materials and Repair Parts with Payment Vouchers.

The Period of Performance for this Task Order is 12 Months from date of award.

The Performance Certifier for this Task Order is Mr. Douglas Edwards, e-mail EdwardsD@tacom.army.mil, telephone (586) 574-8297. Alternate Performance Certifier is Mr. Albert Kramer, e-mail KramerA@tacom.army.mil, telephone (586) 574-8233.

\*\*\* END OF NARRATIVE A 001 \*\*\*



CONTINUATION SHEET

Reference No. of Document Being Continued  
 PIIN/SIIN DAAE07-98-D-T065/0051 MOD/AMD

Name of Offeror or Contractor: DUCOM INC

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT									
0001AC	<p><u>SERVICES LINE ITEM</u></p> <p>NOUN: RESET RTCC (MATERIALS)                      PRON: EH4RS933EH PRON AMD: 01 ACRN: AA                      AMS CD: 123207NB000</p> <p>This Materials CLIN funds Dunnage for shipment of equipment to contractors facility and return to owning unit, telephone calls, filters, blades, belts, Motors, Lubricants, Coolants, CARC Paint, Common hardward, bulk items, and Load Testing.</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u>                      INSPECTION: Origin ACCEPTANCE: Origin</p> <p><u>Deliveries or Performance</u></p> <table border="0"> <tr> <td>DLVR SCH</td> <td></td> <td>PERF COMPL</td> </tr> <tr> <td><u>REL CD</u></td> <td><u>QUANTITY</u></td> <td><u>DATE</u></td> </tr> <tr> <td>001</td> <td>0</td> <td>31-AUG-2005</td> </tr> </table> <p style="text-align: right;">\$ 66,276.93</p>	DLVR SCH		PERF COMPL	<u>REL CD</u>	<u>QUANTITY</u>	<u>DATE</u>	001	0	31-AUG-2005				\$ 66,276.93
DLVR SCH		PERF COMPL												
<u>REL CD</u>	<u>QUANTITY</u>	<u>DATE</u>												
001	0	31-AUG-2005												
0001AD	<p><u>SERVICES LINE ITEM</u></p> <p>NOUN: RESET RTCC (REPAIR PARTS)                      PRON: EH4RS933EH PRON AMD: 01 ACRN: AA                      AMS CD: 123207NB000</p> <p>This Repair Parts CLIN is for the contractor to use for the purchase of repair parts for this effort. The contractor must provide invoices for all parts purchased under this CLIN.</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u>                      INSPECTION: Origin ACCEPTANCE: Origin</p> <p><u>Deliveries or Performance</u></p> <table border="0"> <tr> <td>DLVR SCH</td> <td></td> <td>PERF COMPL</td> </tr> <tr> <td><u>REL CD</u></td> <td><u>QUANTITY</u></td> <td><u>DATE</u></td> </tr> <tr> <td>001</td> <td>0</td> <td>31-AUG-2005</td> </tr> </table> <p style="text-align: right;">\$ 1,137,132.69</p>	DLVR SCH		PERF COMPL	<u>REL CD</u>	<u>QUANTITY</u>	<u>DATE</u>	001	0	31-AUG-2005				\$ 1,137,132.69
DLVR SCH		PERF COMPL												
<u>REL CD</u>	<u>QUANTITY</u>	<u>DATE</u>												
001	0	31-AUG-2005												

CONTINUATION SHEET

Reference No. of Document Being Continued  
 PIIN/SIIN DAAE07-98-D-T065/0051 MOD/AMD

Name of Offeror or Contractor: DUCOM INC

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT									
0002	SECURITY CLASS: Unclassified													
0002AA	<p><u>Service Option</u></p> <p>UNEXERCISED OPTION CLIN FOR LABOR. OPTION MAY BE EXERCISED ANYTIME UNILATERALLY BY THE GOVERNMENT UP TO AND INCLUDING 31 AUG 05</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u>                      INSPECTION: Origin ACCEPTANCE: Origin</p> <p><u>Deliveries or Performance</u></p> <table border="0"> <tr> <td>DLVR SCH</td> <td></td> <td>PERF COMPL</td> </tr> <tr> <td><u>REL CD</u></td> <td><u>QUANTITY</u></td> <td><u>DATE</u></td> </tr> <tr> <td>001</td> <td>0</td> <td>31-AUG-2006</td> </tr> </table> <p>\$ 253,926.54</p>	DLVR SCH		PERF COMPL	<u>REL CD</u>	<u>QUANTITY</u>	<u>DATE</u>	001	0	31-AUG-2006				\$ 253,926.54
DLVR SCH		PERF COMPL												
<u>REL CD</u>	<u>QUANTITY</u>	<u>DATE</u>												
001	0	31-AUG-2006												
0002AB	<p><u>Service Option</u></p> <p>UNEXERCISED OPTION CLIN FOR TRAVEL. GOVERNMENT MAY EXERCISE THE OPTION UNILATERALY UP TO AND INCLUDING 31 AUG 05.</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u>                      INSPECTION: Origin ACCEPTANCE: Origin</p> <p><u>Deliveries or Performance</u></p> <table border="0"> <tr> <td>DLVR SCH</td> <td></td> <td>PERF COMPL</td> </tr> <tr> <td><u>REL CD</u></td> <td><u>QUANTITY</u></td> <td><u>DATE</u></td> </tr> <tr> <td>001</td> <td>0</td> <td>31-AUG-2006</td> </tr> </table> <p>\$ 21,644.02</p>	DLVR SCH		PERF COMPL	<u>REL CD</u>	<u>QUANTITY</u>	<u>DATE</u>	001	0	31-AUG-2006				\$ 21,644.02
DLVR SCH		PERF COMPL												
<u>REL CD</u>	<u>QUANTITY</u>	<u>DATE</u>												
001	0	31-AUG-2006												
0002AC	<u>Service Option</u>				\$ 66,276.93									

CONTINUATION SHEET

Reference No. of Document Being Continued  
 PIIN/SIIN DAAE07-98-D-T065/0051 MOD/AMD

Name of Offeror or Contractor: DUCOM INC

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT									
	<p>UNEXERCISED OPTION CLIN FOR MATERIALS.            GOVERNMENT MAY EXERCISE OPTION UNILATERALLY            UP TO AND INCLUDING 31 AUG 05.</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u>            INSPECTION: Origin      ACCEPTANCE: Origin</p> <p><u>Deliveries or Performance</u></p> <table border="0"> <tr> <td>DLVR SCH</td> <td></td> <td>PERF COMPL</td> </tr> <tr> <td><u>REL CD</u></td> <td><u>QUANTITY</u></td> <td><u>DATE</u></td> </tr> <tr> <td>001</td> <td>0</td> <td>31-AUG-2006</td> </tr> </table> <p style="text-align: right;">\$      66,276.93</p>	DLVR SCH		PERF COMPL	<u>REL CD</u>	<u>QUANTITY</u>	<u>DATE</u>	001	0	31-AUG-2006				
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001	0	31-AUG-2006												

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

Page 7 of 15

PIIN/SIIN DAAE07-98-D-T065/0051

MOD/AMD

**Name of Offeror or Contractor:** DUCOM INC

## DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

SCOPE OF WORK  
For  
RT875CC RESET

General Information: This repair is part of the Army Material Command (AMC) RESET Program. This scope of work (SOW) covers the Maintenance/Repair and CARC Painting of seven (7) RT875CC, 40 Ton Rough Terrain Container Cranes, NSN:3810-01-205-2716. The contractor shall provide all personnel, equipment, tools, materials, repair parts, transportation, supervision and other items and services to inspect and bring the RT875CC to 10/20 standards plus 3D (Delayed Desert Damage) IAW Technical Manuals (TMs) requirements (e.g., torque and common hardware specifics)

## A. Definitions:

1. Serviceable Part: Any part that is capable of meeting the requirements of the TMs.
2. Non-serviceable Part: Any part that is not capable of meeting the requirements of the TMs.
3. Baseline Configuration: Vehicle brought to 10/20 plus 3D condition in accordance with the TMs.
4. Core Effort: The core effort is defined as and shall include only those tasks that are common to and performed on each vehicle including component/part replacement.
5. Additional Work Effort (AWE): The AWE is the set of repair actions beyond the core effort unique to each vehicle.

## B. Process:

1. Vehicles: The Government will identify and notify the contractor of the vehicles to be inducted into the RESET Program. Vehicles will be provided to the contractor in an "as is" condition and some probably will not be in a drivable condition. Prior to transporting the vehicles, the contractor shall make a preliminary inspection of the vehicles frame. If the frame is noticeably cracked or bent to such a degree that it requires replacement, the contractor shall immediately notify the Performance Certifier. The Performance Certifier will make a determination whether to proceed with RESET on that vehicle. The contractor shall pick up the vehicles at designated Government sites and transport them to a contractor facility. The contractor may perform the RESET effort at any facility within its authorized service network. The contractor shall also make all arrangements related to transportation and loading, including operating the vehicle and performing any needed disassembly required to transport the vehicle, as well as the actual transporting of the vehicles. Ten days prior to the planned arrival of their transportation personnel, the contractor shall notify the Government POCs identified in the contract delivery order to firmly fix the exact time and place of vehicle pick up/delivery and transportation. The RESET vehicles shall be picked up within 60 days of Task Order being awarded, unless mutually agreed upon by the Government and contractor. Once a vehicle has been picked up, the contractor has 15 days in which to submit a request for authorization to perform AWE to the Government. The Government will notify the contractor within 10 days after receipt of the request for AWE as to whether or not the contractor may proceed with the AWE. This will be in the form of a modification to the Task Order. Within 10 days after completion of vehicle repair, the contractor is responsible for coordinating all related transportation of vehicle back to using unit or Government designated site.

2. Receipt and Storage: Upon receipt of the vehicle by the contractor, the RT875CC shall be identified by model number and serial number and be thoroughly inspected for the Baseline Configuration for that particular Model (including mileage/hours and any mounted equipment). All noticeable missing components/parts shall be noted and recorded.

## C. CORE EFFORT

1. Vehicle Inspection. The contractor shall inspect in detail each vehicle going through RESET at their repair facility. The contractor shall ensure that the inspection is sufficient to determine the condition of the inspected vehicles and to identify any Additional Work Effort (AWE) beyond those described in the core effort. The contractor shall not proceed with the RESET effort for a vehicle if they discover the vehicle frame is cracked or bent to such a degree that it requires replacement if not found during the preliminary inspection. The contractor shall notify the Performance Certifier if the above condition exists. The Performance Certifier will make a determination whether to proceed with RESET on that vehicle. The PCO may modify the task order, striking that vehicle serial number from the list and deobligating the funds associated with the RESET of that vehicle. At its option, the Government may substitute another vehicle from its fleet in place of the rejected vehicle. Should another vehicle be substituted, the Government will notify the contractor of the location and vehicle to be RESET. The Task Order will be modified to allow for the additional inspection costs of any replacement vehicle.

## 2. Preshop Analysis and degree of disassembly:

(a) A preshop analysis will be made of each vehicle under the provisions of this SOW using the best available diagnosis, inspection, and testing techniques to determine extent of work and parts required. As part of this analysis, an AOAP

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

Page 8 of 15

PIIN/SIIN DAAE07-98-D-T065/0051

MOD/AMD

**Name of Offeror or Contractor:** DUCOM INC

sample will be submitted for the engine, transmission and main hydraulic system of these vehicles. Ref. TB 43-0211 Army Oil Analysis Program (AOAP) A visual technical inspection utilizing the equipment 10/20/34 TMs and TB 43-0221-2 section 1 will be performed on all vehicles. Operable vehicles will be subjected to a preshop road test between 5 10 miles to determine the condition, function, and performance of the power train components, to include engine, transmission, differentials, starter, and accelerator pedal and associated drive line assemblies. All Vehicles and assemblies will be disassembled to the extent necessary to determine that components meet the requirements specified in this SOW.

(b) To correct any potential Southwest Asia (SWA) environmental damage to this equipment (sand, water, or corrosion) it is necessary to follow all of the procedures of section 1 (General TACOM Equipment) in TB 43-0221-2, Delayed Desert Damage Special Maintenance Procedures for Tactical, Combat and Special Purpose Equipment to prevent premature failure to any components and sustain readiness.

(c) To the fullest extent possible, test equipment will be used to determine that assembly and subassemblies meet prescribed reliability, performance, and work requirements. The results from utilizing this test equipment along with other related factors will help determine if the assembly and subassemblies can be repaired or must be replaced IAW vehicles TM standards.

(d) Check for oil seal and gasket leakage - Evidence of lubricating or hydraulic oils passing through or around a seal (a light film) in itself is not a defect; however, consideration must be given to the fluid capacity of the item being checked/inspected. The following will be used as a guide in determining the degree of oil loss:

- (1) Class I - Seepage of fluid (as indicated by wetness or discoloration) not great enough to form drops.
- (2) Class II - Leakage of fluid great enough to form drops, but not enough to drip from the item being check/inspected.
- (3) Class III- Leakage of fluid great enough to form drops that fall from the item being checked/inspected.

The Contractor shall provide the Government a copy of the inspection documentation along with a revised proposal identifying costs for additional parts requiring repair/replacement beyond the mandatory replacement parts identified in Paragraph 5 below. The contractor shall also provide costs by labor category for any additional labor hours required to support additional repairs to the -10/-20 and 3D standards. The contractor will inform and receive approval to continue repairs from the Contracting Officer when repair costs for a vehicle are estimated to exceed 50% (\$250,000.00) of the total vehicle replacement cost.

3. Disassembly and Reassembly: Vehicle disassembly and reassembly will be accomplished in accordance with the applicable equipment TMs.

4. Lubrication. AOAP will not be the governing authority for replacement of the component oil or lubricant on any equipment returning from SWA that has a Class III leak. As TB 43-0221-2 specifies, any vehicle returning from SWA that does not show class III leaks should have the fluid and filters changed at the next scheduled service IAW LO. Lubricate vehicle IAW LO 5-3810-306-12; only prescribed grease, oil, and antifreeze which comply with the applicable military specifications can be used. Reuse of drained lubricants is not authorized. Operate the equipment for 5 hours/50 miles after all repairs have been completed and submit an oil sample from the engine, transmission and main hydraulic system to the local AOAP lab for analysis. All results must be NORMAL or maintenance actions must be taken to achieve this result.

5. Mandatory Replacement Parts/Compliance Requirement: The following items shall be replaced with new TM compliant parts or kits to correct any potential desert damage:

- (a) Install new fluids and lubricants
- (b) Install all new drive belts and filters
- (c) Whenever required by TM, replace all seals, gaskets, lock washers, locknuts with new. Ensure all gaskets and seals are replaced on assemblies that have been disassembled.

The following items MUST be changed as part of the RESET process.

RT875CC RESET MRPL MANDATORY REPAIR PARTS LIST  
TM 5-3810-306-24P

ITEM NAME	NSN	QTY REQUIRED	
FILTER ELEMENT, FLUID	2940-01-157-6309	1	
FILTER ELEMENT, FLUID	2910-01-192-4622	1	
FILTER ELEMENT, FLUID	2910-00-238-0023	1	
FILTER ELEMENT, FLUID	2940-01-027-3258	1	
FILTER ELEMENT, FLUID	4330-01-180-9978	1	
BELT, V	3030-01-281-9704	1	
BLADE, WINDSHIELD WIPER	2540-01-098-1865	1	
BLADE, WINDSHIELD WIPER	2540-01-175-6505	1	

Name of Offeror or Contractor: DUCOM INC

6. Inspect and Repair Only as Necessary (IROAN): All components not designated for replacement above, shall be processed in accordance with the PMCS (Preventive Maintenance Checks and Services) specified in the TMs to include a complete annual service as well as Table 1 (Mandatory Inspection, Repair/Replace Only As Necessary List) below. All faults found and all the specific mandatory repairs/tasks will be repaired/performed utilizing parts in accordance with the TMs/TBs. In addition to the list below, if there is oil sampling type valve located at the engine/transmission oil cooler; inspect it to ensure it is working properly.

Mandatory Inspection, Repair/Replace Only As Necessary List

Table 1

Item	Category	Action
1	Exterior of RT875CC	<p>A. Check for oil, fuel, coolant and hydraulic oil leaks.</p> <p>B. Check compartment doors, hinges, latches, steps and rails for damage.</p> <p>C. Check Boom for proper operation, inspect for all worn, loose or missing wear pads or damaged hardware</p> <p>D. Check exterior wiring, lights, switches and connectors for secure mounting, frayed, broken or burned wires.</p> <p>E. Check main and auxiliary hoists drums; inspect for damage, corrosion and leakage</p> <p>F. Check wire rope for proper installation on hoists. Check hook block, sheaves, pins and wedge sockets for damage and missing items. Repair as needed.</p> <p>G. Check fenders and mirrors for damage.</p>
2	TIRES and WHEELS	<p>A. Check tires for damage (i.e., cuts, gouges, foreign matter), obvious low tire pressure (reference TM 9-2610-200-14). Also check to ensure that the tires are standard tires (tires with DOT codes). Many tires purchased in SWA are non-standard. Compile a list and report all non-standard tires found to TACOM.</p> <p>B. Check pressure in tires and adjust as required, RT875CC (75 psi.)</p> <p>C. Tires- all tires with less than 75% of tread life or with any visible sidewall damage will be replaced.</p> <p>D. Check wheels/Rims for damage and loose or missing mounting nuts.</p>
3	HYDRAULIC RESERVOIR AND SIGHT GAGE	<p>A. Check for damage and leaks. Boom must be fully lowered and retracted crane on level ground before checking hydraulic oil level in reservoir. Engine should be stopped at least five minutes.</p> <p>B. Check hydraulic oil in oil level sight gage. If hydraulic oil is visible in sight gage, level is okay. If level is low, add oil IAW instructions in LO 5-3810-306-12.</p>
4	RADIATOR AND ENGINE COOLANT FILTER	<p>A. Check the coolant level in the expansion tank. Level should be between the MIN and MAX lines on tank.</p> <p>B. Visually check radiator for damage or obstruction. Remove any obstruction.</p> <p>C. Replace engine coolant filter.</p>
5	ENGINE OIL LEVEL	<p>A. Check oil level on dipstick. Maintain oil level with in full mark at end of dipstick.</p> <p>B. Change engine oil and filter.</p>
6	HYDRAULIC CYLINDERS leaks	<p>A. Check hydraulic cylinders, hydraulic lines, hoses and fittings for damage and</p> <p>B. Repair or replace any faulty cylinders, lines, or fittings to restore to a serviceable</p>

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

Page 10 of 15

PIIN/SIIN DAAE07-98-D-T065/0051

MOD/AMD

Name of Offeror or Contractor: DUCOM INC

condition.

- 7 HYDRAULIC SYSTEM FILTERS Replace ALL filters.
- 8 BATTERIES AND SLAVE  
RECEPTACLES A. Check batteries, battery cables, master battery switch and battery box for corrosion and obvious damage. Refer to TM9-6140-200-14.  
B. Replace all batteries that do not test as good during battery load testing or show indication of damaged terminals or sulfuric acid leaks.  
C. Check for damage to slave receptacle on side of vehicle.
- 9 WINDOWS Check windows for obvious damage and broken or cracked windows.
- 10 SEAT AND SEAT BELT Check seat and seat belt for proper operation, damage or missing.
- 11 WINDSHIELD WIPERS A. Check the wipers for proper operation.  
B. Change wiper blades.  
C. Check windshield wiper washer fluid.
- 12 EXTERIOR LIGHTS Check all lights for proper operation. Use night vision goggles to check the operation of  
all vehicle IR lights. Replace all non-working light bulbs. Replace all exterior components of light that reflect or project light to include lens.
- 13 HORN AND BACK-UP ALARM With ignition switch in on position, put travel select lever in the reverse position.  
Check for back-up alarm operation.
- 14 INSTRUMENT PANEL AND  
CONTROLS & FIRE  
EXTINGUISHER A. Inspect the instrument panel for damaged gages, switches, indicator, and warning lights. With engine running ensure all indicators and warning lights operate properly.  
B. Check for missing or damaged fire extinguisher to include low pressure reading or missing seal.
- 15 SYSTEMS OPERATIONAL  
CHECK A. Check front and rear steering for smooth and proper operation.  
B. Check service brakes for pulling, grabbing or reduced braking ability.  
C. Check parking brake operation with engine idling and transmission in high range. Vehicle should not move.  
D. Check Boom for proper operation, inspect for worn, loose or missing wear pads or damaged hardware  
E. Check outriggers for proper operations, must retract and extend smoothly and completely for proper operation.  
F. Check positive swing lock: check for proper operation of turn table locking device.  
G. Load Moment Indicator (LMI), check for proper function, check all cables and hardware for damage  
H. Check Anti-Two Block, check for smooth and proper operation  
I. Control Levels: check for proper operation of all levels and pedals
- 16 TRANSMISSION OIL LEVEL A. With the engine running and transmission at normal operating temperature, check oil level on dipstick. Maintain oil level between add and full mark at the end of dipstick.

Name of Offeror or Contractor: DUCOM INC

B. Change transmission filter and check oil for contamination.

17 MONITOR ALL GAUGES AND  
WARNING LIGHTS DURING  
VEHICLE OPERATION.

- A. Water temperature
- B. Engine oil pressure.
- C. Engine oil temperature
- D. Transmission oil temperature.
- E. Hydraulic oil temperature
- F. Ensure alternator charging lamp is not lit.

18 AIR FILTERS

- A. Check air cleaner indicator for proper function.
- B. Change air filter.

19 FUEL FILTERS, WATER  
SEPARATOR, ETHER QUICK  
START AND FUEL TANK

- A. Replace fuel filter/water separator. Prior to road test, drain water from the water separator. Turn drain knob counterclockwise and drain all water from fuel/water separator. Turn knob clockwise to close.
- B. Check fuel tank, filler cap, and cap seal for damage or leakage.
- C. Check ether quick start system for loose connections and damage to lines, fittings, and canister. Be alert for odor of leaking ether.

20 EXHAUST SYSTEM

- A. Check the exhaust system for loose or missing clamps or hardware.
- B. Check for evidence of leaks at all joints and connections.

21 PAINT (EXTERIOR AND  
INTERIOR)

Paint surfaces will have good adhesion, be free of rust, bare spots or scratches extending through the depth of the paint, and will be free of peeling or flaking. Feather edging for appearance alone is not required. A flash coat of paint may be applied in lieu of spot painting if considered to be more economical. The exterior shall be painted the color/camouflage patterns required by the receiving unit as directed by USAMICOM. The remainder of the items shall be painted IAW TB 43-0209 and TB 43-0213.

22 CORROSION

Components or Parts which exhibit Stage III or Stage IV corrosion must be discarded. Presence of Stage I or Stage II corrosion requires sufficient cleaning to neutralize the corrosion to allow the original protective finish to be restored. All rust damaged areas will be repaired IAW applicable vehicle Technical Manual, TM 9-247 and FM 43-2.

## Definitions:

- A. Stage I- Discoloration, staining, no direct evidence of pitting, etching, or other surface damage.
- B. Stage II- Loose rust, black or white corrosion accompanied by minor etching or surface affected no scale or tight rust.
- C. Stage III- Rust, black or white corrosion accompanied solely or in combination with etching, pitting, or more extensive surface damage, loose, or granular condition.
- D. Stage IV-Rust, black or white corrosion progressed to the point where fit, wear function, or life of the item has been affected or scaly condition, with pits or irregular areas of material removed from the surface.

23 SPECIAL PURPOSE KITS  
weapon shield

Any and all special purpose kits, such as personnel heaters, brush guards, (gunner) kits, but not limited to, will be repaired as required. Ensure each serve the

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

Page 12 of 15

PIIN/SIIN DAAE07-98-D-T065/0051

MOD/AMD

**Name of Offeror or Contractor:** DUCOM INC

purpose intended.

- 24 ENGINE ASSEMBLY A. Check engine for loss of power, excessive exhaust smoke or internal noises. If any of these symptoms appear, repair or replace the engine assembly to restore it to a serviceable condition..
- B. Check the engine drive belt for wear. Replace all V and Serpentine belts.
- C. Due to many starter and flywheel failures in SWA on RT875CC, all starters will be removed from the engine and the bendix teeth and flywheel teeth will be inspected for damage. All damaged items must be replaced and a total number of failures will be compiled on the monthly status report.
- D. Check engine mounts for cracks, deterioration and damage.
- 25 SERVICE BRAKES Check brake pads and rotors for wear and serviceability.
- 26 PROPELLER SHAFTS A. Check all propeller shaft universal joints for excessive vibration or noise.
- B. Inspect mounting studs and locknuts for looseness and damage.
- 27 PINTLE & TOWING HOOKS All pintles and issued lifting or towing hooks will be checked and tested to ensure proper operation. Excessive endplay (as defined in the applicable TM) will be cause to replace the tow pintle. Pintles will be lubricated and operate freely.
- 28 LOAD TEST Perform annual safety inspection in accordance with TB 43-0142, Safety Inspection and Testing of Lifting Devices.
- 29 COOLANT MIXTURE CHECK Check for 50-50 mix of ethylene glycol and clean water. If necessary, drain and refill engine cooling system.

7. Final Inspection of RESET Vehicles. Ten days before a RESET vehicle is ready for final inspection, the contractor shall notify the Defense Contract Management Area Office located in the region of the Contractors facility. Upon arrival of the Government inspector, the contractor shall conduct an operational performance test (operate the equipment with and without a container attached for each model). The Government inspector will also validate by reviewing maintenance records and spot-checking the equipment using Table 1 in section C, paragraph 6 of this SOW to ensure all tasks required were performed satisfactorily. Upon successful completion of these tests and validations, the Government inspector will sign the DD250 or other appropriate acceptance document for each vehicle.

8. Disposition of Replaced Parts. For a period of 30 days, starting on the date the Government inspector signs the DD250 or other appropriate acceptance document, the contractor shall keep on hand all parts removed from the RESET vehicles. During that time period, the contractor shall permit Government inspectors to examine and take possession of any of those parts upon request. Coordinate with the Performance Certifier to obtain location to a Government supply activity that major assemblies shall be transported to by the contractor. The contractor shall segregate, clean and pack swapped out parts prior to transportation in accordance with US Army regulations.

9. Disposition of Parts Removed from Vehicles: The contractor will be responsible for safely disposing of all parts removed from the vehicles during the RESET process in accordance with federal, state, and local laws and ordinances. All reparable unserviceable components will be credited to the contract including any scrap.

**D. STATUS REPORTS:**

1. The contractor shall furnish a monthly status report to the Government showing the work in progress and a summary of work completed. The report shall include: delivery order number, vehicle serial number, vehicle attachments (if any), military location, labor hours expended, actual pick up date, AWE approval amount, AWE approval date, date inspector notified, actual completion date, inspection completion date, vehicle return date, core invoice amount, core invoice date, AWE invoice amount, AWE invoice date, and invoice total. The contractor shall include any new warranty certifications with the monthly status report. The contractor shall provide this report per CDRL A002 (Exhibit B).

2. Condition Assessment Report (CAR) and AWE Report. The contractor shall prepare a CAR and AWE report for each vehicle inspected under this RESET Task Order, whether it is below or above the vehicle repair dollar threshold. The contractor shall deliver the CAR and both the "Summary" and "Detailed" AWE Reports to the addressees shown in CDRL A001 (Exhibit A).

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

Page 13 of 15

PIIN/SIIN DAAE07-98-D-T065/0051

MOD/AMD

**Name of Offeror or Contractor:** DUCOM INC

Each report shall contain at a minimum:

(a) (CAR and AWE) All identifying vehicle information in accordance with commercial practices including end item serial number, system nomenclature (RT875CC, 40 TON Crane), National Stock Number (NSN) and US Army system registration number.

(b) (CAR only) A general description of the vehicle's condition and appearance.

(c) (CAR only) Engine hour/mileage meter reading.

(d) (CAR only) Serial number and condition of the engine to include the condition of engine components.

(e) (AWE only) A list of repair actions which are needed for the vehicle, including part numbers and descriptions. The contractor shall include in the report the estimated cost of material, labor, and any additive prime contractor overheads and markups to perform the RESET repair actions needed. The contractor shall price the total effort. The contractor shall segregate the additional recommended repairs by segment area of machine as shown below:

Engine  
Starting, Charging & Fueling System  
Radiator/Cooling Systems  
Torque Converter  
Transmission  
Transfer Case  
Steering  
Brakes  
Axles & Tires  
Hydraulic System  
Hydraulic Cylinders  
Vehicle Frame & Guards  
Boom Assembly  
Load Moment Indicator  
Turntable  
Operator's Compartment  
Electrical System  
Fuel  
Miscellaneous  
Transportation  
Total

(f) (CAR and AWE) A condition summary of the vehicle which lists repairs necessary and probable cause, such as wear and tear, improper lubrication, improper training, etc.

E. Start of Work Meeting. The contractor shall host a start of work meeting at its facility, unless some other location is designated in the contract, within 30 days after the award of the Task Order.

**F. PUBLICATIONS:**

1. Required Publications. The Government will provide the contractor with all applicable manuals, military specifications, and other reference material required to accomplish the inspection, maintenance and repairs

2. Applicable Documents: The following documents (Technical Manuals (TM)/Tech Bulletins (TB)) are applicable to this work effort and form a part of this scope of work:

**RT875CC UNIQUE TMs:****RT875CC TMs:**

- |                                    |   |
|------------------------------------|---|
| a. TM 5-3810-306-10                | Feb 1993 (Operator's Manual)  |
| b. TM 5-3810-306-20                | Feb 1993 (Unit Maintenance)   |
| c. TM 5-3810-306-34                | Feb 1993 (Support Maintenance)  |
| d. TM 5-3810-306-24P<br>Tool List) | Feb 1993 (Unit, Direct Support and General Support Maintenance Repair parts And Special |
| e. LO 5-3810-306-12                | Feb 1993 (Lubrication Order)  |

**UNIVERSAL TBs:**

- |   |
|---|
| a. TB 750-651 (Use of Anti-freeze Solutions, Antifreeze Extended and Cleaning Compounds Test Kit in Engine Cooling Systems) |
| b. TB 9-2300-247-40 Frame/Welding Repair  |

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

Page 14 of 15

PIIN/SIIN DAAE07-98-D-T065/0051

MOD/AMD

**Name of Offeror or Contractor:** DUCOM INC

- c. TB 42-0242 CARC Spot Painting
- d. TB 43-0142 Safety Inspection and Testing of Lifting Devices
- e. TB 43-0209 Color Marking & Camouflage Painting of Military Vehicles
- f. TB 43-0213 Corrosion Prevention & Control, Including Rust proofing
- g. TB 43-0221-2 Delayed Desert Damage, Special Maintenance Procedures for Tactical, Combat and Special Purpose Equipment (see APP A for a thorough list of references)
- h. TB 43-0211 Army Oil Analysis Program (AOAP)
- i. TM 9-2610-200-14 Care, Maintenance, Repair and Inspection of Pneumatic Tires & Inner Tubes
- j. TM 9-6140-200-14 Maintenance Manual for Lead Acid Batteries

G. OPTION:

The Government reserves the right to unilaterally exercise the following option incrementally in the quantities and period specified. The Government may issue more than one option exercise during this period.

Quantity	Model	Option Period
7	RT875CC	From date of award through the last day of performance period.

H. Performance Period: The period of performance for this effort is 12 months from date of award.

\*\*\* END OF NARRATIVE C 001 \*\*\*

**CONTINUATION SHEET**

**Reference No. of Document Being Continued**

**PIIN/SIIN** DAAE07-98-D-T065/0051

**MOD/AMD**

**Name of Offeror or Contractor:** DUCOM INC

CONTRACT ADMINISTRATION DATA

LINE	PRON/ AMS CD/ <u>ITEM</u>	<u>ACRN</u>	<u>STAT</u>	<u>ACCOUNTING CLASSIFICATION</u>		JOB ORDER <u>NUMBER</u>	ACCOUNTING <u>STATION</u>		OBLIGATED <u>AMOUNT</u>
0001AA	EH4RS933EH 123207NB000 B14LUX123NMC	AA	1	21 42020000046D8030P12320725AB S20113		4LUNRT	W56HZV	\$	243,761.41
0001AB	EH4RS933EH 123207NB000 B14LUX123NMC	AA	1	21 42020000046D8030P12320725AB S20113		4LUNRT	W56HZV	\$	22,828.97
0001AC	EH4RS933EH 123207NB000 B14LUX123NMC	AA	1	21 42020000046D8030P12320725AB S20113		4LUNRT	W56HZV	\$	66,276.93
0001AD	EH4RS933EH 123207NB000 B14LUX123NMC	AA	1	21 42020000046D8030P12320725AB S20113		4LUNRT	W56HZV	\$	1,137,132.69
							TOTAL	\$	1,470,000.00
<b>SERVICE</b>									
<u>NAME</u>	<u>TOTAL BY ACRN</u>			<u>ACCOUNTING CLASSIFICATION</u>			<u>ACCOUNTING STATION</u>		<u>OBLIGATED AMOUNT</u>
Army	AA			21 42020000046D8030P12320725AB S20113			W56HZV	\$	1,470,000.00
							TOTAL	\$	1,470,000.00