

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT PURCH ORDER/AGREEMENT NO. DAAE07-03-D-S008	2. DELIVERY ORDER/CALL NO. 0031	3. DATE OF ORDER/CALL (YYYYMMDD) 2004NOV01	4. REQUISITION/PURCH REQUEST NO. SEE SCHEDULE	5. PRIORITY DOA4
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6. ISSUED BY TACOM WARREN AMSTA-AQ-ASR-E JAY HAMMER (586)574-7118 WARREN, MICHIGAN 48397-5000 EMAIL: HAMMERJ@TACOM.ARMY.MIL HTTP://CONTRACTING.TACOM.ARMY.MIL	CODE W56HZV	7. ADMINISTERED BY (if other than 6) DCMA VIRGINIA 10500 BATTLEVIEW PKWY SUITE 200 MANASSAS VA 20109-2342	CODE S2404A	8. DELIVERY FOB <input type="checkbox"/> DESTINATION <input checked="" type="checkbox"/> OTHER (See Schedule if other)
		SCD: C	PAS: NONE	ADP PT: HQ0338

9. CONTRACTOR RADIANT INC. 5845 RICHMOND HWY ALEXANDRIA, VA. 22303-1865	CODE 2R341	FACILITY	10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE	11. X IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMAN-OWNED
NAME AND ADDRESS			12. DISCOUNT TERMS	13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Block 15
TYPE BUSINESS: Large Business Performing in U.S.				

14. SHIP TO SEE SCHEDULE	CODE	15. PAYMENT WILL BE MADE BY DFAS-COLUMBUS CENTER DFAS-CO/SOUTH ENTITLEMENT OPERATION P.O. BOX 182264 COLUMBUS, OH 43218-2264	CODE HQ0338	MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2
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16. TYPE OF ORDER	DELIVERY/ CALL	<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.
	PURCHASE		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 checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:			

17. ACCOUNTING AND APPROPRIATION DATA/LOCAL USE SEE SCHEDULE
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18. ITEM NO.	19. SCHEDULE OF SUPPLIES/SERVICE	20. QUANTITY ORDERED/ACCEPTED*	21. UNIT	22. UNIT PRICE	23. AMOUNT
	SEE SCHEDULE CONTRACT TYPE: Cost-Plus-Fixed-Fee Firm-Fixed-Price 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.	24. UNITED STATES OF AMERICA JAY E. LENTZ /SIGNED/ LENTZJ@TACOM.ARMY.MIL (586)574-7041 BY: _____ CONTRACTING/ORDERING OFFICER	25. TOTAL	\$617,816.81
		26. DIFFERENCES	

27a. QUANTITY IN COLUMN 20 HAS BEEN
 INSPECTED RECEIVED ACCEPTED, AND CONFORMS TO CONTRACT EXCEPT AS NOTED

b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	c. DATE (YYYYMMDD)	d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE
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e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE	28. SHIP. NO.	29. D.O. VOUCHER NO.	30. INITIALS
	<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	32. PAID BY	33. AMOUNT VERIFIED CORRECT FOR

f. TELEPHONE NUMBER	g. E-MAIL ADDRESS	31. PAYMENT	34. CHECK NUMBER
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36. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT.			
a. DATE (YYYYMMDD)	b. SIGNATURE AND TITLE OF CERTIFYING OFFICER	<input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	35. BILL OF LADING NO.

37. RECEIVED AT	38. RECEIVED BY (Print)	39. DATE RECEIVED (YYYYMMDD)	40. TOTAL CONTAINERS	41. S/R ACCOUNT NUMBER	42. S/R VOUCHER NO.
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CONTINUATION SHEET**Reference No. of Document Being Continued****Page 2 of 8****PIIN/SIIN** DAAE07-03-D-S008/0031**MOD/AMD****Name of Offeror or Contractor:** RADIAN INC.

SUPPLEMENTAL INFORMATION

PROGRAM: OMNIBUS PROGRAM & ENGINEERING SUPPORT SERVICES

CONTRACT: DAAE07-03-D-S008/0031

PURPOSE: Engineering and Logistic Support for PM HTV

AMOUNT OF THIS ACTION: \$617,816.81

1. This task order 0031 is to provide 9720 level-of-effort (LOE) hours to include 60 program Manager hours for Engineering and Logistics support to develop a design for the Crew Protection Kit (CPK) for the M915A1 Tractor. In addition to labor hours, this task order funds travel on a Cost only(No Fee) basis under Direct Costs. This task order is awarded on a firm fixed price (FFP) basis.
2. Contract Line Item Numbers (CLIN) 1002AA ACRN AA is established in the amount of \$603,304.80 for the tasks described in the attached scope of work.
3. CLIN 1004AA is established in the amount of \$14,512.01 for travel, COST ONLY (no fee)basis.
4. The period of performance for this task is as of date of award through 30 July 2005.
5. Deliverables under this task order are set forth in the CDRLS referenced in the Scope of Work and listed as attachments to the contract.
6. The contracting officer has designated Thomas Eick, as the Contracting Officer's Representative (COR)for this task order. His phone (586)574-4252, email address "eickt@tacom.army.mil"
7. The total dollar value of this task order is \$617,816.81 for the basic award.

*** END OF NARRATIVE A 001 ***

CONTINUATION SHEET

Reference No. of Document Being Continued
PIIN/SIIN DAAE07-03-D-S008/0031 MOD/AMD

Name of Offeror or Contractor: RADIAN INC.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT									
	<table><thead><tr><th data-bbox="272 281 354 302"><u>REL CD</u></th><th data-bbox="461 281 574 302"><u>QUANTITY</u></th><th data-bbox="672 281 753 302"><u>DATE</u></th></tr></thead><tbody><tr><td data-bbox="298 306 331 327">001</td><td data-bbox="493 306 509 327">0</td><td data-bbox="639 306 769 327">10-JUL-2005</td></tr><tr><td data-bbox="418 361 435 382">\$</td><td data-bbox="516 361 623 382">14,512.01</td><td></td></tr></tbody></table>	<u>REL CD</u>	<u>QUANTITY</u>	<u>DATE</u>	001	0	10-JUL-2005	\$	14,512.01					
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001	0	10-JUL-2005												
\$	14,512.01													

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Name of Offeror or Contractor: RADIAN INC.		

DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

C.1 Scope. This statement of work requirement is for the contractor to develop a design for the Crew Protection Kit (CPK) for the M915A1 Tractor, as well as the developing the accompanying Level III TDP drawings and installation instructions. The ultimate goal of the task is to provide crew protection for the cab of the M915A1 tractor.

C.2 Location/Period of Performance. Contractor personnel will be required to perform their day to day functions at TARDEC. The period of performance for this task order is nine (9) months. Travel may be required to support this effort as outlined in C.7. below.

C.3 Requirements.

C.3.1 The CPK protection level will be as per the memorandum "Analyses of Threat Projectiles for Protection of Light Tactical Vehicles" Table 5, Protection Class 3" of Director, ARL, APG , MD 2100-5066. The design will include all required modifications to the truck. The contractor is responsible for all three phases (design, TDP development, and installation instructions) of the CPK for the M915A1 as follows:

- *CAD models and drawings, engineering analyses for the M915A1 CPK
- *Designs for the CPK
- *Doors to include latching mechanism and windows
- *Integrate crew seats
- *Validation of design during fabrication, installation and testing

C.4 PHASE I

C.4.1.1 The first phase will consist of developing a design using Pro/E CAD. The effort will include development of the CAD models of M915A1 interfaces and CAD models of the CPK. The contractor is responsible for developing the weight of the design, structural analysis, integration/manufacturing analysis, and Level II drawings. The design of the CPK and CAD models will include armor plates, doors windows with latching mechanism and crew seat integrations.

C.4.1.2 The government owns data rights for all items developed during this phase and the entire project.

C.4.1.3 The contractor will provide the following:

- *Design Native CAD and Pro/E CAD files of the solid models and detail manufacturing drawings of the M915A1 CPK.
- *CPK engineering analysis.
- *Draft installation instructions for the CPK kit.
- *Develop a Level II drawing.(CDRL 001)

C.4.1.4 Based on data collected, engineering analysis, CAD models and the Level II drawings, a prototype kit will fabricated and installed on the vehicle by TARDEC.

C.5 Phase II

C.5.1 The second phase will consist of developing Level III drawings. The Level III TDP will incorporate the Level II drawings developed in Phase I. The Level III technical data package (TDP) will be in accordance with ASME Y14.199-200 and ASME Y14.5-1994.

C.5.2 The deliverable is a Level III TDP. The Level III TDP will be a reflection of the design developed in Phase I. (CDRL 002)

C.6 Phase III

C.6.1 The third phase will consist of developing a set of final installation instructions, testing the prototype unit and validate and verify the CPK Level III TDP.

C.6.2 The final installation instruction will be based on the bill of materials and the associated vendor data; which includes CPK drawings and CAD models.

C.6.3 The prototype unit will be tested for mobility and survivability. The contractor will participate in validating and verifying the

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Name of Offeror or Contractor: RADIAN INC.

CPK design during fabrication, installation and testing of the prototype kit, which includes updating the CPK drawings, CAD models and installation instructions. (CDRL 003)

C.7. TRAVEL: Travel may be required to support this task order. Travel is COST ONLY. The contractor shall obtain written authorization from the COR prior to any travel under this task order. The contractor shall provide a written certification, prior to travel, that sufficient funds are available on the travel CLIN to complete travel. All travel costs shall be in accordance with Joint Travel Regulations (JTR) and are cost reimbursement only (no profit or fee). A trip report after travel is required and must be submitted within five (5) days after completion of travel.(CDRL-005).

C.8 CONTRACTING OFFICERS REPRESENTATIVE: The COR is an individual designated in accordance with DFARS 201.60202 and is authorized in writing by the contracting officer to perform specific technical functions. The contracting officer has designated Mr.Thomas Eick 586-574-4252 "eickt@acom.army.mil" as the contracting officer's representative for this task order. The Contactor will receive a copy of the written designation after task order award that will specify the extent of the COR's authority to act on behalf of the contracting officer. The COR is not authorized to make any commitments or changes that will affect price, quantity, delivery or any other term or condition of this task order. The COR is authorized to appoint Functional Technical Representatives under this task order. The contractor will receive a copy of the written FTR designation after COR appointment has been made.

C.9 PROGRAM REVIEWS/DOCUMENTATION: The Contractor shall provide a weekly status report (CDRL A004) in narrative format of all significant fielding issues/activities. The contractor shall conduct a verbal monthly review of all such efforts with the PM LTV Functional Technical Representative (FTR) and other PM LTV managers through VTC or teleconference. VTCs will be provided by the U.S. Government.

C.10 PERIOD OF PERFORMANCE: The Period of Performance will be nine (9) months from the date of award, 30 Jul 05.

C.11 GOVERNMENT FURNISHED MATERIAL, LABOR OR FACILITIES: PM TV shall provide office space, office furniture, telephones, computer hardware and software and document duplication equipment for on-site contractor personnel to perform the tasks required in this task order.

C.12 PLACE OF PERFORMANCE: TACOM Warren Michigan.

*** END OF NARRATIVE C 001 ***

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Name of Offeror or Contractor: RADIAN INC.

CONTRACT ADMINISTRATION DATA

LINE	PRON/ AMS CD/ ITEM	ACRN	OBLG STAT	ACCOUNTING CLASSIFICATION	JOB ORDER NUMBER	ACCOUNTING STATION	OBLIGATED AMOUNT
1002AA	J642D651J6 51108992015 A14P50151CAR	AA	2	21 42035000041C1C03P5110892512 S20113	4ZHTZR	W56HZV \$	603,304.80
1004AA	J642D651J6 51108992015 A14P50151CAR	AA	2	21 42035000041C1C03P5110892512 S20113	4ZHTZR	W56HZV \$	14,512.01
						TOTAL	\$ 617,816.81

SERVICE NAME	TOTAL BY ACRN	ACCOUNTING CLASSIFICATION	ACCOUNTING STATION	OBLIGATED AMOUNT
Army	AA	21 42035000041C1C03P5110892512 S20113	W56HZV	\$ 617,816.81
			TOTAL	\$ 617,816.81

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Name of Offeror or Contractor: RADIAN INC.

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 001	CDRLS A001 & A002 & A003 & A004 & A005	06-OCT-2004	002	EMAIL