

**ORDER FOR SUPPLIES OR SERVICES**

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. DASG60-02-D-0015		2. DELIVERY ORDER/ CALL NO. 000608		3. DATE OF ORDER/CALL 2002 Apr 24		4. REQ./ PURCH. REQUEST NO. TH2LAU5AA2-00		5. PRIORITY DX-A2	
6. ISSUED BY US ARMY SPACE AND MISSILE DEFENSE COMMAN P.O. BOX 1500 HUNTSVILLE AL 35807-3801			CODE W31RPD	7. ADMINISTERED BY DCM LOCKHEED MARTIN DELAWARE VALLEY MAIL STOP AE 2-W 1 FEDERAL STREET CAMDEN NJ 08102-1013			CODE S3110A	8. DELIVERY FOB <input checked="" type="checkbox"/> DEST <input type="checkbox"/> OTHER  (See Schedule if other)	
9. CONTRACTOR L3 COMMUNICATIONS CORP L-3 SYSTEMS COMPANY 1 FEDERAL ST CAMDEN NJ 08103			CODE 1BRA6	FACILITY		10. DELIVER TO FOB POINT BY (Date) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED	
14. SHIP TO <b>SEE SCHEDULE</b>			CODE	15. PAYMENT WILL BE MADE BY DFAS-COLUMBUS CENTER NORTH ENTITLEMENT OPERATIONS PO BOX 182266 COLUMBUS OH 43218-2266			CODE HQ0337	13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15	
16. TYPE OF ORDER		DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Govt. agency or in accordance with and subject to terms and conditions of above numbered contract.					
		PURCHASE		Reference your quote dated Furnish the following on terms specified herein. REF:					
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:									
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE <b>See Schedule</b>									
18. ITEM NO.	19. SCHEDULE OF SUPPLIES/ SERVICES			20. QUANTITY ORDERED/ ACCEPTED*	21. UNIT	22. UNIT PRICE	23. AMOUNT		
	<b>SEE SCHEDULE</b>								
* 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		25. TOTAL	\$1,196,398.00		
26. QUANTITY IN COLUMN 20 HAS BEEN				27. SHIP NO.		28. DO VOUCHER NO.		29. DIFFERENCES	
<input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED				<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		30. INITIALS	
DATE _____ SIGNATURE OF AUTHORIZED GOVT. REP. _____				31. PAYMENT				33. AMOUNT VERIFIED CORRECT FOR	
36. I certify this account is correct and proper for payment.				<input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER	
DATE _____ SIGNATURE AND TITLE OF CERTIFYING OFFICER _____								35. BILL OF LADING NO.	
37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMDD)	40. TOTAL CONTAINERS	41. S/R ACCOUNT NO.	42. S/R VOUCHER NO.				

## Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0001	SETAC - FP Labor COST	1	Lot	UNDEFINED	UNDEFINED
	Provide services outlined in the scope of work (SOW), as defined in a given task order (T/O), at the fixed prices/government labor category specified in Section B paragraph entitled, "GOVERNMENT LABOR CATEGORIES AND ASSOCIATED FIXED PRICES PER DPPH"				
	PURCHASE REQUEST NUMBER: TH2LAU5AA2-00				
				MAX COST	\$1,165,398.00

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0003	Consultants COST	1	Lot	UNDEFINED	UNDEFINED
	Provide services outlined in the scope of work (SOW) at the cost reimbursable amounts as approved on a task-order-by-task-order basis. Total Fee, including prime and subcontractor/consultant, shall not exceed 3% of the estimated costs. This CLIN is valid during the three-year base period as well as any/all award term extensions earned by the contractor.				
	PURCHASE REQUEST NUMBER: TH2LAU5AA2-00				
				MAX COST	\$0.00

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0004		1	Lot	UNDEFINED	UNDEFINED

Materials and STE

COST

Provide materials, special test equipment (STE), and associated services outlined in the individual task orders at the cost reimbursable amounts as approved by the T/OM and the Contracting Officer. NO FEE ON THIS CLIN. This CLIN is valid during the three-year base period as well as any/all award term extensions earned by the contractor.

PURCHASE REQUEST NUMBER: TH2LAU5AA2-00

MAX COST

\$0.00

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0005		1	Lot	UNDEFINED	UNDEFINED

Travel

COST

Travel as directed in the individual task orders. Travel must be completed within the cost reimbursable amounts allowed per the Joint Travel Regulations and the DCAA-approved Company-Implemented Policy and Procedures. NO FEE ON THIS CLIN. This CLIN is valid during the three-year base period as well as any/all award term extensions earned by the contractor.

PURCHASE REQUEST NUMBER: TH2LAU5AA2-00

MAX COST

\$31,000.00

FOB: Destination

BLOCK 17/BLOCK 18 CONTINUED

## BLOCK 17 (DD1155) CONTINUED:

TASK ORDER FUNDS REQUIRED \$1,196,398

TASK ORDER FUNDS AVAILABLE \$718,021

UNFUNDED BALANCE \$478,377

BLOCK 18 (DD1155) CONTINUED: In the performance of this Task Order (T/O), the contractor shall provide the total Direct Productive Person Hours (DPPHs), plus or minus 10 percent, as stated for fixed-price labor categories stated in Section B of the contract listed in Block 1 of the DD Form 1155. These DPPHs shall be billed at the fixed price stated in Exhibit V of the contract. The contractor shall not exceed the DPPHs, nor the total

dollars, stated for consultant below. The contractor is allowed to provide up to 10 percent less than the DPPHs stated for consultant and still expend the total dollars as stated in the T/O. Furthermore, under no circumstance shall the contractor exceed the dollars stated for Materials, Travel, or Total T/O.

LABOR CATEGORIES: Labor categories are as listed in the contract, Section B, paragraph entitled "GOVERNMENT LABOR CATEGORIES AND ASSOCIATED FIXED PRICES PER DPPH"

	DPPHs ORDERED	NTE AMOUNT
FIXED-PRICE LABOR TOTAL	 DPPHs	\$1,165,398
*CONSULTANT TOTAL	 DPPHs	\$0
T/O TOTAL LABOR	 DPPHs	\$1,165,398
MATERIAL	NTE	\$0
TRAVEL	NTE	\$31,000
T/O TOTAL		\$1,196,398

\*\*Consultant requirements must have prior written approval of the Administrative Contracting Officer (ACO) (via subcontract consent package) before any costs are incurred under the consultant CLIN.

## Section C - Descriptions and Specifications

### A - SOW

#### “THAAD/PATRIOT LAUNCHER COMPONENT SETAC SUPPORT” STATEMENT OF WORK

1.0 The contractor shall provide the following THAAD/PATRIOT Launcher Component (TPLC) Support.

1.1 The contractor shall provide system engineering, technical/operational, and management support to the TPLC, Program Director.

1.2 The contractor shall provide system engineering, technical/operational and management support in areas of launcher hardware and software prototyping, development, performance, design evaluation, requirements, integration/assembly and test, acquisition program development, launcher training products development and User syntheses.

1.3 The contractor will support the TPLC and THAAD prime contractor design reviews, technical interchange meetings, test readiness reviews and other meetings and reviews as directed by the government

2.0 Tasks:

2.1 The contractor shall participate in the Integrated Product Team (IPT) process, and Working Groups as directed by the government

2.2 The contractor shall monitor IMP/IMS progress and analyze prime contractor performance against the THAAD Program Baseline

2.3 The contractor shall support the Launcher Integrated Baseline Review (IBR) process

2.4 The contractor shall monitor and analyze all Earned Value Management (EVM) data and reporting

2.5 The contractor shall develop acquisition strategies, recommend funding profiles/ courses of action and prepare corresponding schedules for current/future developmental items

2.6 The contractor shall support the preparation of briefing materials for the TPLC, and other related and Joint Program Offices.

2.7 The contract shall support Technical Interface Meetings (TIMs), Operational/Technical Reviews and serve as Liaison for the TPLC Director with the Ft Bliss community, the prime contractor(s) and other external agencies as required by the government

2.8 The contractor shall provide independent analytical evaluations of emerging issues both from a segment/system and user perspective

2.9 The contractor shall review and analyze all THAAD/PATRIOT Launcher HW/SW requirements/specification related documents i.e. PIDS, CIDS, SRS, ICD, SI, and IFS in support of the THAAD, PATRIOT PAC-2 and PAC-3 HEMTT based launcher development effort.

2.9 The contractor shall provide technical and programmatic support to the Government in the development/fielding of the HEMTT Vehicle as a THAAD/PATRIOT launcher.

2.10 The contractor shall perform special/independent studies, and identify/analyze/track and report on segment/system candidates for Cost As an Independent Variable and Cost Reduction Initiative (CRI) consideration

2.11 The contractor will develop technical briefings, plans/schedules and conduct independent studies/analysis and evaluations of alternative concepts and approaches for THAAD/ PATRIOT launcher HW/SW designs

2.13 The contractor shall support segment/system risk identification and the evaluation of risk mitigation planning.

2.14 The contractor shall provide systems engineering support to Launcher Preliminary Design Review Update (PDRU) package reviews, i.e., Hardware/Software, Security, HFE, Safety/Environmental, Survival/Vulnerability, Hazard Assessments, EOD/O&SHA and ILS/LSA, etc.

2.15 The contractor shall support the analysis/review/updates and integration of new and or modified requirements and design considerations following PDRU and review related documentation leading to Critical Design Review (CDR).

2.16 The contractor shall assist the government in tracking prime contractor launcher specific Technical Performance Measures (TPM) for analysis/reporting

2.17 The contractor shall review and provide comments/recommendations to the Government on HW/SW/System Engineering Memorandums (EMs) and Change Requests (CRs) as they apply to the THAAD/PATRIOT Launcher and system interfaces, as required.

2.18 The contractor shall monitor, assist the government in coordination/interface with the User for all activities involving meetings/reviews and soldiers on/with THAAD/PATRIOT Launcher Equipment to maximize the effective use of EMD Assets.

2.19 The contractor shall monitor prime contractor/soldier activities involving test/training/ demonstration planning, coordination and scheduling

2.20 The contractor shall support TPLC "intra-office" document reviews/analysis and provide comments and recommendations to the government in the areas of Manufacturing/ Producibility, Logistics / MANPRINT, Test, Product Assurance, etc and participate in meetings, as required.

2.21 The contractor shall support software development/prototyping, trade studies, reviews, test activities and evaluation of test results to include classified data and participate in the allocation of Mission Critical Functions (MCF) and Mission Critical Software (MCS) definition reviews /& updates for PDR and CDR

2.22 The contractor shall support TACOM/OTC HEMTT launcher development, test planning, test preparation and HEMTT prototype qualification testing activities.

2.23 The contractor shall develop and maintain a HEMTT Weight/CG Tracking System for C-130 Airlift.

2.24 The contractor shall provide technical assistance/liaison to USAADASH & the Ft. Bliss community in support of THAAD/PATRIOT activities and the development of training product during EMD that contribute to the PATRIOT Limited User Test (LUT) in FY04.

3.0 INTERFACE WITH OTHER THAAD CONTRACTORS: The contractor shall interface, as required, with the THAAD prime contractor, Lockheed Martin, Sunnyvale, CA; the Simulation/Independent Verification and Validation contractor, COLSA Corporation, Huntsville, AL; the Hardware-in-the-Loop contractor, Tec-Masters, Inc., Huntsville, AL; and other SETA contractors in performance of this task order.

4.0 REQUIREMENT FOR SUPPORT AFTER NORMAL WORKING HOURS: Certain individuals may be required to provide support after normal duty hours and on weekends. Therefore 24 hour, seven-day badges will be required. These individuals must be identified on a case-by-case basis for support to the Launcher Preliminary Design Review Update (PDRU) and Critical Design Review (CDR). You shall identify, by name, the individuals supporting these areas so that proper access badges may be issued. The names must be submitted within five (5) days, of the Task Order date, to the responsible Technical Monitor and Ms. Brenda Jamison, THAAD Project Office, MDA/THPM.

#### B - POP

PERIOD OF PERFORMANCE: 24 APR 02 – 25 APR 03

#### C - KEY PERSONNEL

KEY PERSONNEL: [REDACTED]

#### D - DELIVERABLES

DELIVERABLES:

Item/Title	CDRL#	# Copies	Delivery Date
Task Order Management Plan	A001	1 *	Per CDRL
FMER	A003	1 *	Per CDRL
Interim Technical Report	A004	1 *	As Required
Final Technical Report	A005	1 *	25 APR 03
Conference Minutes	A006	1	Per CDRL
Data Accession List	A007	1	Per CDRL

\* Plus Electronic Version.

#### E - TRAVEL

ESTIMATED TRAVEL: Except for the locations listed below, the contractor has no authority to incur travel costs without explicit written approval (email acceptable) of the Task Order Monitor. Under no circumstances shall the contractor incur travel costs in excess of the NTE amount stated herein. NTE: \$31,000

El Paso, TX (Ft. Bliss)

Warren, MI (TACOM)  
Appleton, WI (OTC)  
Dallas, TX (LMM&FC)  
White Sands, NM (WSMR Test)  
Sunnyvale, CA (LMSSC)  
Washington, DC (MDA, DAMO-FDE)  
Boston, MA (Raytheon)  
Ft. Belvoir, VA (PM-MEP)  
Aberdeen Proving Grounds, MD

#### F - MATERIALS

ESTIMATED COST FOR MATERIALS AND/OR SPECIAL TEST EQUIPMENT: The contractor has no authority to incur material costs without the explicit prior written approval of the contracting officer. Prior to forwarding requests to the contracting officer, the contractor shall obtain the Task Order Monitor's concurrence. Electronic Mail (email) shall be utilized for both steps in this process. Under no circumstance shall the contractor incur materials costs in excess of the NTE amount stated herein. NTE: \$ 0

#### G - SPECIAL INSTRUCTIONS

##### SPECIAL INSTRUCTIONS:

Cost data shall be segregated/reported/vouchered/paid at the ACRN level.

The "Limitation of Funds" is applicable at the ACRN level.

The effort described in the Task Order Statement of Work, which is anticipated to be performed in FY02-FY03, is subject to the Clause at FAR 52.232-18, Availability of Funds.

All of the terms and conditions of the contract listed in Block 1 above are applicable to this T/O.

All of the provisions and clauses of the contract listed in Block 1 above are applicable to this T/O.

No Government Furnished Property or Test Facilities are available for use in performance of this Task Order.

It is incumbent upon the contractor and/or subcontractor to ensure that appropriate Technical Assistance Agreements (TAAs) and/or applicable export licenses are in place before conducting any activity under the SOW which requires such approval and documentation.

##### REQUIREMENT FOR SUPPORT AFTER NORMAL WORKING HOURS:

a. Certain individuals may be required to provide support after normal duty hours and on weekends. Therefore 24 hour, seven-day badges will be required. These individuals must be identified on a case-by-case basis for support to the Launcher Preliminary Design Review Update (PDRU) and Critical Design Review (CDR).

b. You shall identify, by name, the individuals supporting these areas so that proper access badges may be issued. The names must be submitted within five (5) days, of the Task Order date, to the responsible Technical Monitor and Ms. Brenda Jamison, THAAD Project Office, MDA/THPM.

H - DISTRIBUTION

TASK ORDER MONITOR: [REDACTED]

MAILING ADDRESS: [REDACTED]  
[REDACTED]

PROGRAM MANAGEMENT POC: [REDACTED]  
[REDACTED]

MAILING ADDRESS: [REDACTED]  
[REDACTED]

PROGRAM ANALYST POC: [REDACTED]  
[REDACTED]

MAILING ADDRESS: [REDACTED]  
[REDACTED]

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 9720400.2501 BM-THAD 50604861C00.2012 255Y TH2LAU5AA2 S01021 TH2LAU5AA2/2THEMD/TH  
COST 000000000000  
CODE:  
AMOUNT: \$496,398.00

AB: 9730400.2501 BM-THAD 50604861C00.2011 255Y TH3LAU5AA1 S01021 TH3LAU5AA1/3THEMD/TH  
AMOUNT: \$221,623.00