

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. DASG60-02-D-0011		2. DELIVERY ORDER/ CALL NO. 004303		3. DATE OF ORDER/CALL 2003 Apr 10		4. REQ./ PURCH. REQUEST NO. TH3LAU5CA1-00		5. PRIORITY	
6. ISSUED BY US ARMY SPACE & MISSILE DEFENSE COMMAND [REDACTED] PO BOX 1500 HUNTSVILLE AL 35807-3801			CODE W9113M	7. ADMINISTERED BY DCMA HUNTSVILLE BUILDING 4505, SUITE 301 MARTIN ROAD REDSTONE ARSENAL AL 35898-0001			CODE S0107A	8. DELIVERY FOB <input checked="" type="checkbox"/> DEST <input type="checkbox"/> OTHER (See Schedule if other)	
9. CONTRACTOR TELEDYNE SOLUTIONS, INC 5000 BRADFORD DRIVE HUNTSVILLE AL 35805			CODE 1P9G8	FACILITY		10. DELIVER TO FOB POINT BY (Date) SEE SCHEDULE		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED	
					12. DISCOUNT TERMS		13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15		
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.	
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 See Schedule									
18. ITEM NO.	19. SCHEDULE OF SUPPLIES/ SERVICES			20. QUANTITY ORDERED/ ACCEPTED*	21. UNIT	22. UNIT PRICE	23. AMOUNT		
	SEE SCHEDULE								
* 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		\$99,936.00	
				[REDACTED]		29. DIFFERENCES			
26. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED				27. SHIP NO.		28. DO VOUCHER NO.		30. INITIALS	
DATE _____ SIGNATURE OF AUTHORIZED GOVT. REP. _____				<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR	
36. I certify this account is correct and proper for payment.				31. 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: TH3LAU5CA1-00				
				MAX COST	\$99,936.00

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: TH3LAU5CA1-00				
				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: TH3LAU5CA1-00

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: TH3LAU5CA1-00

MAX COST \$0.00

FOB: Destination

BLOCK 17/BLOCK 18 CONTINUED

BLOCK 17 (DD1155) CONTINUED:

TASK ORDER FUNDS REQUIRED \$ 99,936

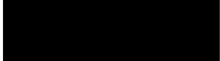
TASK ORDER FUNDS AVAILABLE \$ 99,936

UNFUNDED BALANCE \$ 0

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		\$ 99,936.00
*CONSULTANT TOTAL		\$ 0.00
T/O TOTAL LABOR		<u>\$ 99,936.00</u>
MATERIAL	NTE 0	\$ 0.00
TRAVEL	NTE 0	\$ 0.00
T/O TOTAL		<u>\$ 99,936.00</u>

**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 SOWTeledyne Solution, Inc. - Critical Design Review (CDR)
Statement of Work

- 1.0 The contractor shall use demonstrated THAAD and PATRIOT Launcher and Weapons System/Operational related expertise to analyze and verify proposed CDR evidence to ensure that each entry and exit criteria event is satisfied. The contractor shall validate the prime contractor's requirements traceability process, evaluate design approaches and technical content of hardware and software items, analyze THAAD and PATRIOT Launcher cost and schedule data, review EMD Test Plans, and verify the adequacy and availability of hardware assets and software items to support developmental test objectives for the THAAD and PATRIOT programs. The contractor shall assess operational impacts of design changes and proposed modifications to all Government Furnished Equipment (GFE), validate launcher design goals against technical and military requirements, assist in the evaluation of Logistical Support concepts with design impacts, and evaluate MANPRINT maturity. The contractor shall participate in the Integrated Product Team (IPT) process; assist and facilitate CDR execution; interact with prime contractor personnel, other support contractors and organizations; and coordinate with external agencies to ensure continuity of purpose in meeting all joint program requirements through Launcher CDR.
 - 1.1 Launcher and Weapons System Analysis: The contractor shall employ all relevant knowledge and demonstrated expertise to analyze legacy data, with a high degree of confidence, for each of the Integrated Master Plan (IMP) and Integrated Master Schedule (IMS) requirements for THAAD and the interface requirements for PATRIOT against stated Entry & Exit Criteria objectives. The contractor shall report all shortcomings and deficiencies to the appropriate Launcher Product Office staff personnel and provide recommendations, to mitigate program risk.
 - 1.2 Requirements Traceability: The contractor shall validate and verify that the requirements traceability process implemented by the prime contractor incorporates proper linkages that ensure all THAAD and PATRIOT peculiar requirements are traceable from the THAAD/PATRIOT Launcher Prime Item Development Specification (PIDS), Critical Item Development Specification (CIDS), Software Requirement Specifications (SRS), and Interface Specifications (IFS) to the appropriate parent requirement documents and vice versa.
 - 1.3 Hardware and Software Design: The contractor shall evaluate critical hardware and software designs to ensure that each meets the full intent of the requirement and provides interfaces and architectures that support capability growth, considers MANPRINT domain criteria, incorporates accepted User interface requirements, reduces User operational burden, and maximizes commonality among systems.
 - 1.4 Cost and Schedule Analyses: The contractor shall analyze and verify that all identifiable THAAD and PATRIOT asset requirements for EMD have corresponding funding allocations that are appropriately documented, that future requirements have been properly identified, that funding levels support all current THAAD and PATRIOT Developmental and Fielding Schedule objectives, are segregated for traceability, and are concurred in by both the THAAD Project Office (TPO) and the Lower Tier Project Office (LTPO) personnel. The contractor shall validate that all Un-Funded Requirements (UFR's) have been addressed and that the appropriate external agencies are cognizant of these shortfalls.
 - 1.5 Test Planning Analysis: The contractor shall evaluate for technical content, program consistency, and continuity of and between EMD Launcher Test Plans that include but are not limited to the THAAD Developmental Master Test Plan (DMTP) and the PATRIOT Coordinated Master Test Plan (CMTP). The contractor shall address the adequacy and appropriateness of test planning concerns such as Design Verification Testing (DVT), PATRIOT Limited User Testing (LUT), Product Qualification Testing, asset requirements, quantities, test objectives / methods / levels,

success criteria, and that test event scheduling is consistent with program asset utilization and delivery schedules.

- 1.6 GFE Hardware / Transporter Analysis: The contractor shall analyze changes to the HEMTT baseline design and proposed modifications to GFE hardware that include but are not limited to the HEMTT Chassis, Power Generation, Stabilization, Erection System, etc., that may potentially impact critical Operational Timelines, Reliability-Availability-Maintainability (RAM) predications, System Availability, and C-130 airlift requirements.
- 1.7 Integrated Logistics Support (ILS) Assistance: The contractor shall, as required, review, analyze and comment on specific ILS related documentation that include but are not limited to GFE Hardware listings, THAAD EMD Contractor Logistics Support Plans (CLSP), and Supportability and Maintainability Reports, Comment Tracking System (CTS) Problem Reports, Training concepts, MANPRINT domains, etc., that are relevant to CDR.
- 1.8 Interface with other Organizations: The contractor shall fully participate in the IPT process and take a proactive approach and interface, at any time deemed necessary with Government approval, with: the U.S. Army Air Defense Artillery School and support organizations, the Tank and Automotive Command (TACOM), the Oshkosh Truck Company (OTC), the THAAD prime contractor Lockheed Martin and their subcontractors, the PATRIOT prime contractor Raytheon and their subcontractors, etc., in the performance of this task order.

B POP

PERIOD OF PERFORMANCE: Date of award – 20 JUN 2003

C KEY PERS

KEY PERSONNEL: [REDACTED]

D DELIVERABLES

DELIVERABLES:

<u>Item/Title</u>	<u>CDRL#</u>	<u># Copies</u>	<u>Delivery Date</u>
Task Order Management Plan	A001	1 *	Per CDRL
FMER	A003	1 *	Per CDRL
Final Technical Report	A005	1 *	20 June 2003
Data Accession List	A007	1	Per CDRL

* Plus Electronic Version.

E TVL

ESTIMATED TRAVEL: The contractor has no authority to incur travel costs without explicit prior written approval (email acceptable) of the Task Order Monitor. Under no circumstance shall the contractor incur travel costs in excess of the NTE amount stated herein. NTE: \$0.00

F MTRL

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: \$0.00

G SPEC INST

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 anticipated to be performed in 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.

On-Site Requirements: If required to work on-site at the government location, the contractor will have access to office space and equipment required to perform the task order (as determined to be necessary and available by the task order monitor).

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.

H DIST

TASK ORDER MONITOR:

[REDACTED]

Mailing Address:

[REDACTED]

PROGRAM MANAGEMENT POC:

[REDACTED]

[REDACTED]

MAILING ADDRESS:

[REDACTED]

PROGRAM ANALYST POC:

[REDACTED]

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 9730400.2501 BM-THAD 50604861C00.2011 255Y TH3LAU5CA1 S01021 TH3LAU5CA1/3THEMD/TH
AMOUNT: \$99,936.00