

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: TH2SRE1UA1-01				
				MAX COST	\$1,168,546.00

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: TH2SRE1UA1-01				
				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: TH2SRE1UA1-01

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: TH2SRE1UA1-01

MAX COST \$60,853.00

FOB: Destination

BLOCK 17/BLOCK 18 CONTINUED

BLOCK 17 (DD1155) CONTINUED:

TASK ORDER FUNDS REQUIRED \$1,229,399

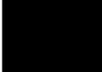
TASK ORDER FUNDS AVAILABLE \$1,139,399

UNFUNDED BALANCE \$ 90,000

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	\$1,168,546
*CONSULTANT TOTAL	 DPPHs	\$ 0
T/O TOTAL LABOR	 DPPHs	\$1,168,546
MATERIAL	NTE	\$ 0
TRAVEL	NTE	\$ 60,853
T/O TOTAL		\$1,229,399

**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

PERIOD OF PERFORMANCE

PERIOD OF PERFORMANCE: 24 APR 02 – 30 OCT 05

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 - FY05, 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.

STATEMENT OF WORK

STATEMENT OF WORK

1.0 The contractor shall assist the THAAD Project Office (TPO), Systems Engineering Directorate, Requirements and Analysis Division in requirements definition, program analysis and evaluation, model and simulation planning, Hardware-in-the-Loop (HWIL) planning, engagement simulation, threat estimation and characterization.

1.1 Requirements Definition Support: The contractor shall support the development and modification of the System Specification. The contractor shall review proposed specification revisions for quality, completeness, and correctness. The contractor shall assess the impact of proposed revisions on system performance. Reviews and assessments shall be documented in interim technical reports per CDRL A004.

1.2 Program Analysis and Evaluation: The contractor shall assist the Requirements Analysis Division in developing performance assessment plans for System Preliminary Design Review (PDR), System Concept Design Review (CDR), Long Lead, LRIP, Milestone C and other Engineering, Manufacturing, and Development (EMD) Element (THAAD System) level Milestones, and shall provide technical input into performance assessments and evaluations. Performance assessment plans shall consider Missile Defense Agency's (MDA's) Technical Objectives and Goals (TOG), milestone entrance and exit criteria, and independent evaluator performance measures. Plans and assessments shall be documented in interim technical reports per CDRL A004.

1.2.1 Engagement Simulation: In support of program analyses and evaluations the contractor shall use internal and Government Furnished Equipment (GFE) Models and Simulations to assess and quantify element and component performance. Areas of assessment and analysis shall include, but not be limited to SSEKP; one-on-one and many-on-many leakage; missile endgame performance; Radar acquisition, track and discrimination

performance; system coverage; lethality; and interoperability. Assessments and analyses shall be documented in interim technical reports per CDRL A004.

1.2.2 Missions and Scenarios: The contractor shall provide technical expertise and input on the definition of missions and scenarios needed to evaluate system performance against the TOG and Technical Performance Measures (TPMs). The contractor shall provide technical expertise in resolving scenario definition issues among different models, simulations and HWIL. Technical expertise and assistance includes defining or resolving issues with scenarios used by external agencies for war game exercises, or force-on-forces studies

1.2.3 Threat Estimation and Characterization: In support of program analyses and evaluations, external studies, and MDA requests the contractor shall assist in threat estimation and characterization. The contractor shall generate trajectories and dynamics of a variety of TBM targets, including “analyze to” threats, and associated objects using approved threat community tools such as Strategic and Theater Attack Modeling Process (STAMP) and Digital Integrated Combat Environment (DICE). The contractor shall generate InfraRed intensity and temperature predictions required to quantify the THAAD element performance. IR intensity and temperature predictions shall be generated using Threat community approved tools such as the Optical Signature Code (OSC). Data will be provided in interim technical reports per CDRL A004.

1.3 Modeling and Simulation Support: The contractor shall maintain and update the Simulation Support Plan. The contractor shall assist in the planning and definition of model and simulation validation, verification and accreditation planning. The contractor shall assist in preparing for, scheduling, conducting, and reporting Model and Simulation (M&S) Working Group meetings. The contractor shall review program plans for the use of M&S, and provide recommendations on M&S changes necessary to support planned M&S use. The contractor shall review and provide recommendations with supporting rationale on accreditation plans, reports, and activities. Contractor recommendations shall be documented in interim technical reports per CDRL A004.

1.3.1 Extended Area Defense Testbed/Extended Area Defense Simulation (EADTB/EADSIM) Development and Verification and Validation: The contractor shall assist TPO to monitor the development of the MDA system level tools EADTB/EADSIM as well as other system level tools. The contractor shall develop THAAD representative System Specific Representation (SSRs) for use in these tools as required. The contractor shall verify and validate system level models and propose Software Change Requests/Model Change Requests (SCRs/MCRs) for implementation. Activities shall be documented in interim technical reports per CDRL A004.

1.3.2 Hardware-in-the-Loop (HWIL): The contractor shall provide technical expertise and assistance in requirements definition for the development of software, hardware and interface requirements specification for the System Integration Laboratory (SIL), Technical Evaluation Center (TEC), and Simulation Over Live Driver (SOLD). Technical expertise and advice shall support and assist in the identification of needed Test Beds, Test Drivers, Emulators, and data reduction tools. The HWIL support shall include assistance in the review, update, and resolution of required schedules and plans. The subcontractor shall assist in the preparation of Program level HWIL program plans and support required updates to the plan. Contractor shall document all technical inputs in interim technical reports per CDRL A004.

1.4 External Studies and Wargames: The contractor shall assist TPO in supporting external studies, wargames and exercises. This will include, but not be limited to, support to JPOW, JLAS, Roving Sands, Millennium Challenge 2002 and Wargame 2000. Support to external studies, wargames and exercises shall include developing M&S data packages, verifying that M&S tools properly represent THAAD performance, reviewing study and data management plans, conducting independent analysis using tools such as EADSIM, EADTB, Missile Defense System Exercise (MDSE) reviewing data generated.

1.5 MDA (THAAD Action Control Officers) TACOs: The contractor shall assist TPO in responding to actions directed by MDA. This support shall include providing approved data, developing briefing packages, reviewing reports and plans, and supporting MDA directed meetings.

2.0 Support to Independent Review Team: The contractor shall support the activities of the Aviation and Missile Research Development and Engineering Center (AMRDEC) independent review team in support of element and component Preliminary Design Reviews (PDRs) and Concept Design Reviews (CDRs). The contractor shall maintain a list of action items, and shall work with TPO and AMRDEC personnel to complete the required action items. The contractor shall provide periodic status reports to the TPO Chief Engineer.

3.0 The contractor shall interface with other THAAD contractors. The contractor shall interface, as required, with the THAAD prime contractor, Lockheed Martin, Sunnyvale, CA; the Software/Independent Verification and Validation Contractor, COLSA Corporation, Huntsville, AL; the SOLD contractor, TechMasters, Inc; and other SETA contractors in performance of this task order.

TRAVEL

ESTIMATED TRAVEL: The contractor has no authority to incur travel costs without explicit written approval (email acceptable) of the Task Order Monitor. The contractor is not authorized to travel outside the United States without the explicit written approval (email acceptable) of the Contracting Officer. Under no circumstance shall the contractor incur travel costs in excess of the NTE amount stated herein. NTE: \$60,853

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

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*	30 OCT 05
Conference Minutes	A006	1	Per CDRL, as required
Data Accession List	A007	1	Per CDRL, as required

Plus Electronic Version

DISTRIBUTION

TASK ORDER MONITOR: [REDACTED]
[REDACTED]

MAILING ADDRESS: [REDACTED]
[REDACTED]

PROGRAM MANAGEMENT POC: [REDACTED]
[REDACTED]

MAILING ADDRESS: [REDACTED]
[REDACTED]

PROGRAM ANALYST POC: [REDACTED]
[REDACTED]

MAILING ADDRESS: [REDACTED]
[REDACTED]

KEY PERSONNEL

KEY PERSONNEL: TBD

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 9720400.2501 BM-THAD 50604861C00.2012 255Y TH2SRE1QA5 S01021 TH2SRE1QA5/2THEMD/TH
COST 000000000000
CODE:
AMOUNT: \$75,000.00

AB: 9720400.2501 BM-THAD 50604861C00.2012 255Y TH2SRE1HA2 S01021 TH2SRE1HA2/2THEMD/TH
COST 000000000000
CODE:
AMOUNT: \$32,000.00

AC: 9720400.2501 BM-THAD 50604861C00.2012 255Y TH2SRE1UA1 S01021 TH2SRE1UA1/2THEMD/TH
COST 000000000000
CODE:
AMOUNT: \$170,000.00

AD: 9720400.2501 BM-THAD 50604861C00.2012 255Y TH2BUN4TA1 S01021 TH2BUN4TA1/2THEMD/TH
COST 000000000000
CODE:
AMOUNT: \$58,000.00

AE: 9720400 2520 40603880C 2564 BMDO0125219221 012123
COST 000000000000
CODE:
AMOUNT: \$20,000.00

AF: 9720400 2520 40603880C 2525 BMDO0125890169 012123
COST 000000000000
CODE:
AMOUNT: \$35,266.00

AG: 9730400.2501 BM-THAD 50604861C00.2011 255Y TH3SRE1GA1 S01021 TH3SRE1GA1/3THEMD/TH
COST 000000000000
CODE:
AMOUNT: \$304,133.00

AH: 9740400.2501 BM-THAD 40603881C00.0707 255Y TH4SRE1GA1 S01021 TH4SRE1GA1/4THEMD/TH
AMOUNT: \$90,000.00

AJ: 9740400.2501 BM-THAD 40603881C00.0707 255Y TH4AST4AA2 S01021 TH4AST4AA2/4THEMD/TH0000
AMOUNT: \$160,000.00

AK: 9740400.2501 BM-THAD 40603881C00.0707 255Y TH4SRE1GA2 S01021 TH4SRE1GA2/4THEMD/TH
AMOUNT: \$45,000.00

AL: 9750400.2501 BM-THAD 40603881C00.0707 255Y TH5AST4AA2 S01021 TH5AST4AA2/5THEMD/TH0000
AMOUNT: \$150,000.00