ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 9

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO.	2. DELIVERY ORDER/ CALL NO.	3. DATE OF ORDER/CALL (YYYYMMMDD)	4. REQ./ PURCH. REQUEST NO.	5. PRIORITY
N68936-04-D-0019	0001	2004 Sep 16	See Schedule	

6. ISSUED BY CODE N68936
CDR NAWCWD CODE 220000D
ATTN: B. MONCKTON
(760) 939-8234
429 E BOWEN RD - STOP 4015
CHINA LAKE CA 93555-6108

7. ADMINISTERED BY *(if other than 6)* CODE S0101A
DCMA BIRMINGHAM
1910 THIRD AVENUE NORTH
SUITE 201
BIRMINGHAM AL 35203-3514

8. DELIVERY FOB
[X] DESTINATION
[ ] OTHER
(See Schedule if other)

9. CONTRACTOR CODE 1H996 FACILITY
NAME AND ADDRESS
TYBRIN CORPORATION
JOE JAMES
1030 TITAN COURT
FORT WALTON BEACH FL 32547

10. DELIVER TO FOB POINT BY (Date) (YYYYMMMDD)
SEE SCHEDULE

11. MARK IF BUSINESS IS
[ ] SMALL
[ ] SMALL DISADVANTAGED
[ ] WOMEN-OWNED

12. DISCOUNT TERMS

13. MAIL INVOICES TO THE ADDRESS IN BLOCK
See Item 15

14. SHIP TO CODE
SEE SCHEDULE

15. PAYMENT WILL BE MADE BY CODE HQ0338
DFAS - COLUMBUS CENTER
SOUTH ENTITLEMENT OPERATIONS
PO BOX 182264
COLUMBUS OH 43218-2264

MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.

16. TYPE OF ORDER
DELIVERY/CALL [X] This delivery order/call is issued on another Government 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 (YYYYMMMDD)

[X] If this box is marked, supplier must sign Acceptance and return the following number of copies: 1

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
TEL: (760) 939-6043
EMAIL: mary.jacobs@navy.mil
BY: MARY K. JACOBS
Mary Jacobs
CONTRACTING / ORDERING OFFICER

25. TOTAL $11,095,093.00
26. DIFFERENCES

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

b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE
c. DATE (YYYYMMMDD)
d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE

e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE

28. SHIP NO.
29. DO VOUCHER NO.
30. INITIALS

f. TELEPHONE NUMBER
g. E-MAIL ADDRESS

[ ] PARTIAL [ ] FINAL

32. PAID BY

33. AMOUNT VERIFIED CORRECT FOR

36. I certify this account is correct and proper for payment.
a. DATE (YYYYMMMDD)
b. SIGNATURE AND TITLE OF CERTIFYING OFFICER

31. PAYMENT
[ ] COMPLETE [ ] PARTIAL [ ] FINAL

34. CHECK NUMBER
35. BILL OF LADING NO.

37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMMDD)	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		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

COMBAT ENVIRONMENT SIMULATION
CPAF
Sustainment Management Office (SMO) Support in accordance with Statement of Work, Attachment (1).
FOB: Destination

LEVEL OF EFFORT HOURS	55,200
MAX COST	$10,697,637.00
BASE FEE	$141,312.00
SUBTOTAL MAX COST + BASE	$10,838,949.00
MAX AWARD FEE	$256,144.00
TOTAL MAX COST + FEE	$11,095,093.00

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000101		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
For Edwards AFB. West Coast Global Positioning System.
FOB: Destination
MILSTRIP: NF046110100149
PURCHASE REQUEST NUMBER: 0010106853

ACRN AA (cost + fee) $100,000.00
CIN: 001010685300001

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000102		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
For Edwards AFB. SMO hardware and upgrades.
FOB: Destination
MILSTRIP: NF046110400204
PURCHASE REQUEST NUMBER: 0010106853

ACRN AB (cost + fee) $100,000.00
CIN: 001010685300002

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000103		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
ARDS Pod Hanger Retrofit. Point Mugu.
FOB: Destination
MILSTRIP: N0001904WX00406
PURCHASE REQUEST NUMBER: 0010111504

ACRN AC (cost + fee) $154,628.58
CIN: 001011150400001

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000104		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
ARDS Pods Hanger Retrofits. China Lake.
FOB: Destination
MILSTRIP: N0001904WX00406
PURCHASE REQUEST NUMBER: 0010111504

ACRN AD (cost + fee) $154,628.58
CIN: 001011150400002

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0002		UNDEFINED	Job		NSP

DATA
CPAF
In accordance with Contract Data Requirements List, DD1423 - Exhibit A
FOB: Destination
NSP – Not Separately Priced

SECTION B NOTE

BASE FEE AND AWARD FEE FOR LEVEL-OF-EFFORT ORDER

In accordance with the basic contract, base fee for work performed under this order is

CLIN	Base Fee Amount	Hours	Hourly Base Fee Rate
0001	$141,312.00	55,200 man-hours	**$2.56**

provided that the maximum number of direct labor hours, see Attachment (3) – Level of Effort, are expended.

The nature of the work under this task order is level-of-effort. As such, milestones defining specific outcomes cannot be defined in terms of quantity and schedule with any certainty. Funding will be obtained from a variety of sources as work is required. Therefore, the award fee pool available in any given evaluation period will be associated with the level-of-effort expended during that period.

Award fee will be paid on a biannual (six month) basis. In addition to the base fee set forth herein, the contractor may earn and be paid all or a portion of an award fee not to exceed **$256,144** provided that approximately 55,200 direct labor hours are expended by the contractor. The maximum available award fee pool for any award fee period will be computed at the maximum rate of **$4.64** per direct hour invoiced by the contractor under the task order for the related award fee period. If less than 100% of the direct labor hours for the tasks are expended the fee shall be equitably reduced to reflect the reduction in work.

The Contractor is to set aside an award fee amount from each funding SLIN based on the level of effort for the associated task.

NOTE

This order is placed against CLIN 0001 of the Basic Contract.

This order is determined to be NONSEVERABLE.

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	Destination	Government	Destination	Government
0002	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001	POP 16-SEP-2004 TO 12-MAY-2007	N/A	COMMANDER DEBRA LINCK CODE 535100D 1 ADMINISTRATION CIRCLE MAIL STOP 1106 CHINA LAKE CA 93555-6100 (760) 939-6770 FOB: Destination	N68936
000101	N/A	N/A	N/A	N/A
000102	N/A	N/A	N/A	N/A
000103	N/A	N/A	N/A	N/A
000104	N/A	N/A	N/A	N/A
0002	POP 16-SEP-2004 TO 12-MAY-2007	N/A	See Exhibit FOB: Destination	N/A

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930 NH2C 252 77777 0 054219 2F 000000
COST CODE: 011161770020
AMOUNT: $100,000.00
CIN 001010685300001: $100,000.00

AB: 97X4930 NH2C 252 77777 0 054219 2F 000000
COST CODE: 011203800020
AMOUNT: $100,000.00
CIN 001010685300002: $100,000.00

AC: 97X4930 NH2C 255 77777 0 054219 2F 000000
COST CODE: 011007020040
AMOUNT: $154,628.58
CIN 001011150400001: $154,628.58

AD: 97X4930 NH2C 255 77777 0 054219 2F 000000
COST CODE: 011000190050
AMOUNT: $154,628.58
CIN 001011150400002: $154,628.58

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Exhibit A	DD1423 CDRLs	5	21-JUL-04
Attachment 1	SMO Statement of Work	6	4-AUG-04
Attachment 2	SMO Integrated Project Baseline	1	1-SEP-04
Attachment 3	Level of Effort	1	1-SEP-04

START SEP 16, 2004 END MAY 12, 2007 DIRECT LABOR CATEGORIES	HOURS
PROJECT MANAGER	1,200
SENIOR EW ENGINEER	-
SENIOR TACTS/ACMI ENGINEER	-
TACTS/ACMI ENGINEER	-
SENIOR FINANCIAL ANALYST	300
CONTRACT MANAGEMENT SPECIALIST	300
GPS SYSTEM ANALYST/PROJECT MANAGER	4,800
SYSTEM ENGINEER	1,200
COMPUTER SYSTEMS ENGINEER	1,200
SENIOR ELECTRONIC ENGINEER	2,400
EW THREAT SYSTEMS ENGINEER	-
SENIOR SOFTWARE ENGINEER	3,600
DIGITAL DATA COMMUNICATIONS ENGINEER	-
TRANSMITTER ENGINEER	-
DIGITAL SIGNAL PROCESSING ENGR	-
MECHANICAL ENGINEER	-
CONTROL SYSTEMS ENGINEER	-
SOFTWARE ENGR/SYSTEMS ANALYST	2,400
TEST ENGINEER	-
COMPUTER PROGRAMMER	2,400
ILS SPECIALIST	4,800
TECHNICAL WRITER	-
CONFIGURATION DATA MGR	1,200
DATA MANAGEMENT SPECIALIST	-
DRAFTSMAN	-
ELECTRONICS TECHNICIAN	-
FIELD ENGR/TECHNICIAN	9,600
SECRETARY/CLERICAL	2,600
INSTURMENTATION/ELEC ENGR	2,400
ELECTRONICS TECH TROUBLESHOOTER	9,600
FINANICAL ANALYST	1,200
GPS SYSTEM ANALYST/PROJECT MGR	2,400
SERVER/WEBSITE MANAGER	1,600
TOTAL HOURS	55200
KEY PERSONNEL	

Ex A
DO 0001

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP TM OTHER:

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
SMO Support	N68936-04-D-0019/0001	Tybrin Corp.

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A001	**Configuration Management Plan (CMP)**	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-80925 (SEE BLK 16)	**SOW Para 2.6, 5.1**	**NAWCWD 535100D**

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	N/A	MTHLY	120 DARO
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
N/A		0	EOM+ 10 DAYS

Block 4: Tailor DID as follows: Contractor format authorized provided that the DID is used as a guideline.

Block 14: The contractor shall provide the updated CMP 30 days after proposed changes requested via Monthly Status Report are accepted by the government.

Submission of this report by electronic mail is preferable. deborah.linck@navy.mil

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES		
	Draft	Final	
		Reg	Repro
NAWC: 535100D	**0**	**1**	**0**
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NAWC: 535D00D	**0**	**1**	**0**
NAWC: 220000D	**0**	**1**	**0**
15. TOTAL →	**0**	**4**	**0**

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Naval Air Warfare Center Weapons Division China Lake, CA 93555	07/21/04	*Rosemarie D. Vorwerk*	7/21/04

DD Form 1423-1, 1 Jun 90

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
SMO Support	N68936-04-D-0019/0001	Tybrin Corp.

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A002	Depot Spares Program Plan (DSPP)	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-80925 (SEE BLK 16)	SOW Para 2.5, 3.9, 5.2	NAWCWD 535100D

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	N/A	MTHLY	90 DARO

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	0	EOM+ 10 DAYS

Block 4: Tailor DID as follows: Contractor format authorized provided that the DID is used as a guideline.

Block 14: The contractor shall provide the updated DSPP 30 days after proposed changes requested via Monthly Status Report are accepted by the government

Submission of this report by electronic mail is preferable. deborah.linck@navy.mil and stanley.shefler@navy.mil

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NAWC: 535D00D	0	1	0
NAWC: 220000D	0	1	0
15. TOTAL →	0	4	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Naval Air Warfare Center Weapons Division China Lake, CA 93555	07/21/04	Rosemarie D. Vorwerk	07/21/04

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP TM OTHER:

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
SMO Support	N68936-04-D-0019/0001	Tybrin Corp.

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A003	**Program Progress Report**	**Monthly Status Report**

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-80555 (SEE BLK 16)	**SOW Para 5.3**	**NAWCWD 535100D**

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	N/A	MTHLY	35 DARO
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
N/A		0	EOM+ 10 DAYS

Block 4: Tailor DID as follows: Contractor format authorized provided that the DID is used as a guideline.

Block 14: Submission of this report by electronic mail is preferable. rosemarie.vorwerk@navy.mil

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NAWC: 535D00D	**0**	**1**	**0**
NAWC: 220000D	**0**	**1**	**0**
15. TOTAL →	**0**	**4**	**0**

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Naval Air Warfare Center Weapons Division China Lake, CA 93555	07/21/04	*Rosemarie D. Vorwerk*	07/21/04

DD Form 1423-1, 1 Jun 90

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

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OMB No. 0704-0188

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D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
SMO Support	N68936-04-D-0019/0001	Tybrin corp.

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A004	Sustainment Management Plan (SMP)	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-80925 (SEE BLK 16)	SOW Para 2.3, 5.4	NAWCWD 535100D

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	N/A	MTHLY	90 DARO
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
N/A		0	EOM+ 10 DAYS

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Block 14: The contractor shall provide the updated SMP 30 days after proposed changes requested via Monthly Status Report are accepted by the government

Submission of this report by electronic mail is preferable. deborah.linck@navy.mil and stanley.shefler@navy.mil

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NAWC: 220000D	0	1	0
15. TOTAL →	0	4	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Naval Air Warfare Center Weapons Division China Lake, CA 93555	07/27/04	Rosemarie D. Vorwerk	07/21/04

DD Form 1423-1, 1 Jun 90

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP TM OTHER:

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
SMO Support	N68936-04-D-0019/0001	Tybrin Corp.

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A005	**Advanced Range Data System (ARDS), Extended Area Test Range (EATS) SMOINST-AN/ARQ-52B**	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-80925 (SEE BLK 16)	**SOW Para 2.7, 5.5**	**NAWCWD 535100D**

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	N/A	MTHLY	90 DARO
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
N/A		0	EOM+ 10 DAYS

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Block 14: The contractor shall provide the updated document 30 days after proposed changes requested via Monthly Status Report are accepted by the government

Submission of this report by electronic mail is preferable. deborah.linck@navy.mil and stanley.shefler@navy.mil

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NAWC: 535D00D	**0**	**1**	**0**
NAWC: 220000D	**0**	**1**	**0**
15. TOTAL →	**0**	**4**	**0**

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Naval Air Warfare Center Weapons Division China Lake, CA 93555	07/27/04	*Rosemarie D. Vorwerk*	07/21/04

DD Form 1423-1, 1 Jun 90

GLOBAL POSITIONING SYSTEM (GPS) TRI-SERVICE SUSTAINMENT MANAGEMENT OFFICE & FOREIGN MILITARY SALES (FMS)

GPS-BASED RANGE INSTRUMENTATION EQUIPMENT REPAIR AND ENGINEERING SUPPORT

1.0 SCOPE

1.1 Introduction. This statement of work (SOW) is for complete logistic and engineering support of Global Positioning System (GPS) Based Range Instrumentation Equipment (GPS-BRIE) at Test & Evaluation and Training (T&T) ranges and authorized foreign military T&T ranges. Complete logistic and engineering support includes, but is not limited to, in-plant and on-site diagnosis, repair and engineering support of GPS-BRIE; upgrades; software engineering support; training support; configuration management; program management; web site maintenance; provide initial spares; design, develop, build and test new GPS based T&T ranges, including range support assets and infrastructure; design, develop, fabricate, install, integrate, and test GPS based test and training equipment to support weapons systems development, training, and operational testing at US and authorized foreign test and training ranges.

1.2 Background. The GPS Tri-Service Sustainment Management Office (GPS SMO) at the Naval Air Warfare Center Weapons Division (NAWCWD) China Lake provides for long-term sustainment and logistic support for a variety of GPS-BRIE fielded at DoD Tri-Service T&T Ranges and authorized foreign military T&T Ranges. The SMO provides a wide range of sustainment, logistics support, development of new systems and system upgrades/enhancements for fielded GPS-BRIE. This task order under the basic CES contract is the principal means for providing this support in accordance with agreements between the Range Instrumentation Systems Program Office (RISPO) at Eglin Air Force Base, FL., and the Combat Environment Simulation Division (CESD) at NAWCWD, China Lake, CA. The Government will provide oversight of the SMO with the contractor providing the majority of the day-to-day management and operations support required to provide a complete logistic and engineering support program as provided under basic CES contract SOW paragraphs 3.6 and 3.11.1 thru 3.11.6.

1.2.1 Ranges. The requirements identified in this SOW will support GPS-BRIE at United States T&T ranges and authorized foreign military T&T ranges. These ranges are Tri-Service consisting of Navy, Air Force and Army ranges. They include, but are not limited to:

- The Naval Air Warfare Center, Weapons Division, China Lake, CA
- The Naval Air Warfare Center, Weapons Division, Pt Mugu, CA
- The Naval Air Warfare Center, Aircraft Division, Patuxent River, MD
- Edwards Air Force Base, CA
- Eglin Air Force Base, FL
- Hill Air Force Base, UT
- Holloman Air Force Base, NM
- Ft. Huachuca, AZ
- White Sands Missile Range, NM
- Yuma Proving Ground, AZ
- (b(4))

1.2.2 Systems. The Tri-Service T&T ranges utilize a variety of GPS–BRIE from commercial off-the-shelf (COTS) to fully military capable GPS equipment. The logistic and engineering support covered under this SOW will be for all GPS-BRIE utilized on each range. The COTS equipment includes, but is not limited to survey equipment; vehicle tracking equipment; timing equipment; Course Acquisition Code Receiver (CACR) hardware; Reference Receivers (R/R's); and portable/handheld GPS equipment. Full military capable GPS equipment includes but is not limited to systems such as the Advanced Range Data System (ARDS); the ARDS system utilizing the Extended Area Tracking System (EATS) transmitter; Tactical Air Combat Training Systems (TACTS); Air Combat Maneuvering

Instrumentation (ACMI) systems; Large Area Tracking System (LATR); and the Precision Lightweight GPS Receiver (PLGR). The logistic support covered under this SOW also applies to all subsystems and ancillary equipment associated to the GPS–BRIE such as the data link control systems; data display systems; data processing systems; remote ground stations; and data link encryption systems such as the Range Encryption Module (REM).

2.0 APPLICABLE DOCUMENTS

2.1 ARDS/EATS Low Rate Initial Production (LRIP) Baseline Drawing Package.

2.2 ARDS/EATS Full Rate Production (FRP) Baseline Drawing Package.

2.3 Sustainment Management Plan For GPS Range Equipment (Version 2.1), 3 November 2002.

2.4 Program Management Responsibility Transfer Agreement Between Range Instrumentation Systems Program Office and Combat Environment Simulation Division (Transition Plan), 12 December 2002.

2.5 Draft Sustainment Management Office Depot Spares Program Plan Version 4.0, 10 December 2003.

2.6 Configuration Management Plan (CMP) and CCBD Operating Instruction Plan (OI) for GPS Sustainment Management Office (SMO) China Lake, 21 December 2002.

2.7 Advanced Range Data System (ARDS), Extended Area Test Range (EATS) SMOINST-AN/ARQ-52B (1-17)-01 Revision 2, 20 July 2004

Documents 2.3, 2.5, 2.6 and 2.7 are "living documents" and will need to be updated as necessary. The contractor should submit proposed updates or changes to these documents via the Monthly Status Report (CDRL A003). Upon acceptance by the government, contractor will be asked to make agreed to updates or changes within 30 days of approval.

3.0 REQUIREMENTS

The following paragraphs call out the tasks and products required of the contractor. In all cases, the most current SMO Integrated Project Baseline (IPB) with associated responsibilities and work levels shall apply (see Applicable Doc 2.1 thru 2.7).

The contractor shall provide complete GPS-BRIE logistic and engineering support including, but not limited to, in-plant and on-site diagnosis, repair and engineering support of GPS-BRIE; upgrades; software engineering support; training support; configuration management; program management; and web site/data base management and maintenance. In accordance with the basic CES contract SOW paragraph 3.7, the contractor shall design, develop, build, and test new test and evaluation ranges and training ranges (US and authorized foreign ranges) focusing on GPS based infrastructure. This will include range support assets and associated infrastructure as identified in the paragraph 3.7 of the basic CES contract SOW. All work performed by the contractor under this task order will be initiated by written work requests from the Government. The contractor shall provide all data in accordance with the DD Form 1423, Contract Data Requirements List (CDRL A001, A002, A003, A004, and A005) unless the data is provided via databases on the server in accordance with SOW paragraph 3.9.). (CES SOW 3.6; 3.7; 3.11; 4.1)

3.1 In-Plant Diagnostic and Repair Support. The contractor shall diagnose problems, repair all GPS-BRIE, perform modifications to the GPS-BRIE, and inspect and test the repaired GPS-BRIE as specified under this SOW. In performing a diagnosis of the malfunction, the contractor may find that the GPS-BRIE part(s) requiring repair/replacement are no longer available. The contractor shall identify a possible modification or alternate repair solution for the GPS part(s). Authorization for all repairs or modifications to be performed must be obtained from the Technical Coordinator (TC) unless otherwise authorized in the written work request. When requesting authorization to repair or modify the GPS-BRIE, the contractor shall provide the TC with a diagnosis of the repair or modification required to the GPS-BRIE, an estimated cost to repair or modify the GPS-BRIE, and an estimated completion time. The contractor may be required to provide a trade-off analysis of repair vs. replacement. This authorization shall be requested either by telephone, electronic mail or fax. If authorization for repair or

modification is denied, the contractor shall return the GPS-BRIE to the appropriate range or specified point of shipment within 5 working days. When authorization for repair or modification is approved, the contractor shall proceed in accordance with this SOW. (CES SOW 3.6)

3.2 Engineering Services Support (Including Diagnostic and Repair Support). The contractor shall provide in-plant and on-site engineering support to the ranges as defined in paragraphs 3.2.1 thru 3.2.3 of this SOW. The government will define specific engineering support to be accomplished by the contractor in written work requests. The contractor shall not agree to, or perform any type of engineering services requested by the participating T&T ranges unless specifically authorized and approved by the Government SMO in written work requests. (CES SOW 3.2; 3.6; 3.7; 4.1)

3.2.1 Engineering Support. The engineering support will consist primarily of, but not be limited to, the following:

a. Provide information and training on any new hardware and/or software modification or design.

b. Undertake investigations related to GPS-BRIE performance and potential performance improvements.

c. Review, analyze, test and document changes to GPS instrumentation caused by hardware and/or software failures or the non-availability of parts as established in the hardware configuration baseline.

d. "Full time" or "part time" on-site field support that includes a wide range of requirements ranging from field level maintenance, diagnostics/repairs, flight-line operations, engineering analysis, and development of solutions to complex problems associated with a variety of GPS-BRIE and associated Data Link instrumentation equipment. The Government facility requesting the on-site field support will provide office space/equipment and telephone/internet connection at no cost to the contractor, on an as-required basis.

e. Design, develop, build, and test new test and evaluation ranges and training ranges including range support assets and infrastructure tied to GPS based instrumentation.

f. Design, develop, build, and test modifications to test and evaluation ranges and training ranges including range support assets and infrastructure tied to GPS based instrumentation. The contractor shall integrate new, existing, or modified hardware, software, or integrated hardware/software GPS systems and infrastructure assets into existing ranges.

3.2.2 On-Site Diagnostic Support. The contractor shall provide on-site diagnostic support, as required in individual work requests, for the isolation of hardware and/or software problems. This support shall provide the necessary effort to establish the origin of the malfunction. After diagnosis of the problem, the contractor may find that the GPS-BRIE part(s) requiring repair/replacement are no longer available. The contractor shall identify a possible modification or alternate repair solution for the GPS-BRIE. Authorization for repair must be obtained from the TC, for all GPS-BRIE unless otherwise authorized. The contractor shall provide the TC with a diagnosis of the repair or modification required and an estimated cost and schedule to repair or modify the GPS-BRIE. A contractor conducted trade-off analysis of repair vs. replacement may be required. If authorization for repair or modification is denied, the contractor's work will be considered complete.

3.2.3 On-Site Repair Support. The contractor shall provide, when specified in individual written work requests, on-site support for the repair of GPS-BRIE at the T&T range. When authorization for repair or modification is approved, the contractor shall complete the repair or modification required at the range. If repair cannot be accomplished at the range, arrangements will be made to send the repair item to the contractor's facility. The repair support shall include, as necessary, calibration and testing to ensure that the repair has corrected the problem.

3.3 GPS-BRIE Upgrades. The contractor shall provide hardware/software upgrades to GPS-BRIE as specified in written work requests. (CES SOW 3.2; 3.5; 3.7; 3.8)

3.4 Software Services Support. The contractor shall provide full programming capabilities, software problem reports, submittal/analysis, reloading unit software, distributing software for intermediate reloading as specified in individual written work requests. The contractor shall have a thorough knowledge of Fortran 77 and Fortran 90,

VMS, Screen Management System (SMS), i486/Pentium Assembly Language, C/C++ Language at a minimum. Software provided to the T&T ranges shall be IBM PC compatible with integral help screens and software tools identified, unless otherwise specified in the written work request. Alternate media forms may include, but are not limited to, CD-ROM and File Transfer Protocol. (CES SOW 3.1; 3.2; 3.3; 3.4; 3.5 – all subparagraphs)

3.5 Configuration Management. The contractor shall provide hardware/software configuration management on GPS-BRIE covered under this SOW as specified by individual written work requests. The contractor may be required to provide additional configuration management on GPS commercial off-the-shelf equipment. Configuration Management shall be in accordance with the contractor submitted, government approved Configuration Management Plan. The contractor shall establish and host Configuration Control Boards (CCB). The CCB membership will consist of government personnel from the Tri-Service ranges utilizing the SMO for logistic support. The CCB chairman will be a government person with the contractor being responsible for providing a person to fill the position of CCB Secretary. The government will provide final approval for all changes reviewed by the Configuration Control Boards. (CES SOW 3.11; 3.11.1; 3.11.3; 3.11.4)

3.6 Program Management. The contractor shall provide program management support to the SMO and its participating ranges to facilitate all aspects of the Tri-Service SMO day-to-day operations and interface with the participating ranges and the Range Instrumentation Systems Program Office at Eglin AFB. The contractor shall coordinate all GPS-BRIE repairs, maintenance, upgrades, and engineering support required by this task order. The contractor shall ensure the SMO web site and data bases are maintained and updated; represent the SMO at meetings and conferences as specified in individual written work requests; perform work request status tracking; track and generate monthly CDRL deliverables; manage depot spares programs on designated GPS systems; provide day-to-day management and oversight of all Foreign Military Sales (FMS) cases assigned to the SMO for execution. The program management support provided will ensure all products and support delivered meet the terms and conditions of this task order and individual written work requests as applicable. (CES SOW 3.6, 3.11.1 thru 3.11.6)

3.7 Equipment and Materials. In accordance with written work requests, the contractor shall provide all equipment and/or parts required to support GPS system repair; modification; maintenance; upgrades; the design development and build-up of new test and training ranges; the design, development and build-up of modifications to test and training ranges. This shall include the design, development, manufacturing, installation and integration of all components required to repair the GPS-BRIE; hardware and software to implement new system capability; hardware and software to build up new test and training ranges; hardware and software to upgrade test and training ranges; replacement of obsolete system components; execute required GPS system upgrades and enhancements; obtaining initial sets of spares including consumable and repairable items for new GPS systems as they transition into the long term sustainment phase under the SMO; provide replacement spares for equipment determined to be beyond economical repair; and establish and/or maintain GPS-BRIE on-site parts kits. (CES SOW 3.1; 3.2; 3.6; 3.7; 3.8)

3.8 Web-based Server. The contractor shall establish a computer server accessible via the Internet by authorized SMO personnel and customers. The contractor shall maintain databases on the server for failure data, equipment repair status, shipping and receiving, work order tracking, including financial tracking of all work requests and contract actions. The government will provide the format for the required databases. The contractor shall compile failure data from all repairs to document the reliability of components of the GPS-BRIE. The contractor shall maintain and keep the database current. (CES SOW 3.11.6)

3.9 Depot Spares Program. The contractor will be required to assist the SMO in the operation and maintenance of a depot spares program for various GPS systems and hardware suites supported by the SMO. Requests to maintain a depot spares program for individual GPS systems will be provided on a case-by-case basis in a written work request. The depot spares program shall include, but is not limited to, maintaining a bonded storeroom of government identified and authorized spare parts and issuing spares in accordance with a government approved depot spares program plan for each system identified in written work requests. The initial inventory of parts for each depot spares program supported, to include repairables and consumables, will be provided as government furnished equipment/material. (CES SOW 3.11.1)

4.0 SPECIAL CONSIDERATIONS

4.1 Travel. The contractor will be required to travel in the performance of this Task Order. The Government estimates travel to consist of the travel called out in the most current SMO Integrated Project Baseline (IPB). The contractor is expected to adjust resources to comply with the monthly changing SMO Integrated Project Baseline (IPB).

4.2 Security. The contractor shall ensure compliance with the DD Form 254 requirements. Performance under this task order may require a security clearance up to the level of Top Secret for personnel and a facility security clearance level of Secret. The security level for personnel and facilities will be established in the DD Form 254.

4.3 Data. The contractor may be required to provide production drawings, conceptual drawings, user manuals, maintenance manuals, source code, source code documentation and any other documentation required for configuration management baseline changes.

4.4 Rework on Repairs. The contractor at no additional cost to the Government shall rework any failure or malfunction that reoccurs within 90 days after the initial repair. The contractor shall be responsible for all costs associated with the rework under the following conditions. Failures requiring rework at no cost are defined as failures determined to be caused by the poor workmanship of the contractor or premature failures of components/subcomponents replaced on the initial repair that fail due to reasons other than misuse or abuse by the customer.

4.5 Shipping Costs. Costs associated with return of the GPS-BRIE from the contractor's facility to the appropriate range are chargeable directly to the pertinent work request and/or repair action. The contractor shall use the most expeditious and cost effective form of shipment unless otherwise specified in written work requests.

4.6 Condemnation. The contractor shall not condemn or authorize the condemnation of any GPS-BRIE without prior approval of the TC. A contractor conducted trade-off analysis of repair vs. replacement may be required. Once condemnation is authorized, the contractor shall follow the disposition instructions contained in the applicable written work request.

4.7 Work Requests. This task order is for the repair, logistic, and engineering support for the Tri-Service Test & Evaluation and Foreign Military Sales of GPS based range instrumentation equipment. When each Tri-Service range has a requirement for GPS equipment for repair, logistic, and/or engineering support they will submit the requirement to the SMO in the Combat Environment Division. The SMO will determine if the requirement can be accomplished most cost efficiently by an in-house government/contractor team or by a subcontractor. In either case, the SMO will establish a cost and delivery schedule estimate to accomplish the requirement and provide the estimate to the Tri-Service range that requested the work. The range can accept or not accept the cost estimate. If the cost estimate is accepted, then the SMO will 1) obtain the funding from the range and obligate the funds on this task order, 2) prepare a work request, 3) give the in-house team or subcontractor the "go-head" to proceed with the task using the work request.

5.0 DELIVERABLES

5.1 Configuration Management Plan (CMP). The contractor shall provide the updated CMP 30 days after proposed changes requested via Monthly Status Report are accepted by the government in accordance with CDRL A001.

5.2 Depot Spares Program Plan (DSPP). The contractor shall provide the updated DSPP 30 days after proposed changes requested via Monthly Status Report are accepted by the government in accordance with CDRL A002.

5.3 Progress Status Report. The contractor shall provide progress status report in accordance with CDRL A003.

5.4 Sustainment Management Plan (SMP). The contractor shall provide the updated SMP 30 days after proposed changes requested via Monthly Status Report are accepted by the government in accordance with CDRL A004.

5.5 Advanced Range Data System (ARDS), Extended Area Test Range (EATS) SMOINST-AN/ARQ-52B. The contractor shall provide the updated document 30 days after proposed changes requested via Monthly Status Report are accepted by the government in accordance with CDRL A005.

6.0 SMO Integrated Project Baseline (IPB): See Attachment (2) to the order.

SMO Integrated Project Baseline (IPB)
Applicable Document 2.3 (Plan as of 01 Sep 04)

SOW Para #	Activity ID	ACTIVITY TITLE	START	FINISH	GOVT HRS ESTIMATE	QTY	GOVT ESTIMATE	CONTRACTOR ESTIMATE FOR LABOR & TRAVEL	Explanation if any changes are made by Contractor
3.1	1.0	In-Plant Diagnostic and Repair Services.	Oct-04	May-07	9,605				
		Travel 5 Day Trip w/1 Person	Oct-04	May-07		6			
3.2	2.0	Engr Services (Including Diagnostic and Repair Services).	Oct-04	May-07	1,845				
		Travel to (b(4)) - 5 Day Trip w/1 Person	Oct-04	May-07		3			
3.2.1	2.1	Engineering Services	Oct-04	May-07	13,300				
		Travel to User Range, Location TBD - 5 Day Trip w/1 Person	Oct-04	May-07		9			
		Travel to (b(4)) - 5 Day Trip w/1 Person	Oct-04	May-07		3			
3.2.2	2.2	On-Site Diagnostic Services	Oct-04	May-07	960				
3.2.3	2.3	On-Site Repair Services.	Oct-04	May-07	960				
3.0	3.0	GPS-BRIE Upgrades	Oct-04	May-07	1,920				
3.4	4.0	Software Services	Oct-04	May-07	10,780				
3.5	5.0	Configuration Management.	Oct-04	May-07	1,920				
3.6	6.0	Program Management	Oct-04	May-07	9,625				
		Travel to ETMG Meetings, Location TBD, 4 Day Trip w/2 Person				6			
		Travel to (b(4)) - 5 Day Trip w/1 Person				3			
		Travel to User Range, Location TBD - 5 Day Trip w/1 Person				18			
3.7	7.0	Equipment and Material	Oct-04	May-07	960				
		GPS Hardware Repairs	Oct-04	May-07			$850,000		
		(b(4)) FMS Hardware procurements	Oct-04	May-07			(b(4))		
		CATR Equipment/Upgrades	Oct-04	May-07			$600,000		
		ARDS Parts/Equipment/Upgrades	Oct-04	May-07			$3,800,000		
3.8	8.0	Web-based Server			2,400				
		Travel to User Range, Location TBD - 5 Day Trip w/1 Person				3			
3.9	9.0	Depot Spares Program			925				
		TOTAL			**55,200**	**51**	(b(4))		

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 11

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO.	2. DELIVERY ORDER/ CALL NO.	3. DATE OF ORDER/CALL (YYYYMMMDD)	4. REQ./ PURCH. REQUEST NO.	5. PRIORITY
N68936-04-D-0019	0002	2004 Sep 16	See Schedule	

6. ISSUED BY CODE N68936
CDR NAWCWD CODE 220000D
ATTN: B. MONCKTON
(760) 939-8234
429 E BOWEN RD - STOP 4015
CHINA LAKE CA 93555-6108

7. ADMINISTERED BY *(if other than 6)* CODE S0101A
DCMA BIRMINGHAM
1910 THIRD AVENUE NORTH
SUITE 201
BIRMINGHAM AL 35203-3514

8. DELIVERY FOB
[X] DESTINATION
[ ] OTHER
(See Schedule if other)

9. CONTRACTOR CODE 1H996 FACILITY
NAME AND ADDRESS
TYBRIN CORPORATION
JOE JAMES
1030 TITAN COURT
FORT WALTON BEACH FL 32547

10. DELIVER TO FOB POINT BY (Date) (YYYYMMMDD)
SEE SCHEDULE

11. MARK IF BUSINESS IS
[ ] SMALL
[ ] SMALL DISADVANTAGED
[ ] WOMEN-OWNED

12. DISCOUNT TERMS

13. MAIL INVOICES TO THE ADDRESS IN BLOCK
See Item 15

14. SHIP TO CODE
SEE SCHEDULE

15. PAYMENT WILL BE MADE BY CODE HQ0338
DFAS - COLUMBUS CENTER
SOUTH ENTITLEMENT OPERATIONS
PO BOX 182264
COLUMBUS OH 43218-2264

MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.

16. TYPE OF ORDER
DELIVERY/CALL [X] This delivery order/call is issued on another Government 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 (YYYYMMMDD)

[X] 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
TEL: (760) 939-6043
EMAIL: mary.jacobs@navy.mil
BY: MARY K. JACOBS
Mary Jacobs
CONTRACTING / ORDERING OFFICER

25. TOTAL $8,141,695.00
26. DIFFERENCES

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

b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE | c. DATE (YYYYMMMDD) | d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE

e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE

f. TELEPHONE NUMBER | g. E-MAIL ADDRESS

28. SHIP NO. | 29. DO VOUCHER NO. | 30. INITIALS

[ ] PARTIAL [ ] FINAL

31. PAYMENT
[ ] COMPLETE [ ] PARTIAL [ ] FINAL

32. PAID BY

33. AMOUNT VERIFIED CORRECT FOR

34. CHECK NUMBER

35. BILL OF LADING NO.

36. I certify this account is correct and proper for payment.
a. DATE (YYYYMMMDD) | b. SIGNATURE AND TITLE OF CERTIFYING OFFICER

37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMMDD)	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		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

COMBAT ENVIRONMENT SIMULATION -TARIF
CPAF
In accordance with Statement of Work, Attachment (1), Level of Effort, Attachment (2) and TARIF Integrated Project Baseline, Attachment (3).
FOB: Destination

LEVEL OF EFFORT HOURS	74,669
MAX COST	$7,564,072.00
BASE FEE	$191,229.00
SUBTOTAL MAX COST + BASE	$7,755,301.00
MAX AWARD FEE	$386,394.00
TOTAL MAX COST + FEE	$8,141,695.00

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000101		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
In accordance with Statement of Work, CCS Software integration for Eielson AFB.
FOB: Destination
PURCHASE REQUEST NUMBER: 0010103745

ACRN AA (cost + fee) $300,000.00
CIN: 001010374500001

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000102		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
In accordance with Statement of Work. CCS Software for Eglin AFB.
FOB: Destination
PURCHASE REQUEST NUMBER: 0010103921

ACRN AB (cost + fee) $89,086.00
CIN: 001010392100001

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000103		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
In accordance with Statement of Work. EW Server.
FOB: Destination
MILSTRIP: N0001904WX0458
PURCHASE REQUEST NUMBER: 0010105011

ACRN AC (cost + fee) $50,000.00
CIN: 001010501100001

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000104		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
In accordance with Statement of Work. EW Server.
FOB: Destination
MILSTRIP: N0001904WX04258
PURCHASE REQUEST NUMBER: 0010105011

ACRN AD (cost + fee) $50,000.00
CIN: 001010501100002

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000105		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
In accordance with Statement of Work. EW Server.
FOB: Destination
MILSTRIP: N0001903WX09368
PURCHASE REQUEST NUMBER: 0010105011

ACRN AE (cost + fee) $100,000.00
CIN: 001010501100003

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000106		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
In accordance with Statement of Work. TENA for NAVAIR.
FOB: Destination
PURCHASE REQUEST NUMBER: 0010108882

ACRN AF (cost + fee) $20,000.00
CIN: 001010888200001

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000107		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
In accordance with Statement of Work. TENA for NAVAIR.
FOB: Destination
PURCHASE REQUEST NUMBER: 0010108820

ACRN AG (cost + fee) $170,000.00
CIN: 001010882000001

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000108		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
In accordance with Statement of Work. TENA software.
FOB: Destination
PURCHASE REQUEST NUMBER: 0010108666

ACRN AH (cost + fee) $200,000.00
CIN: 001010866600002

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0002		UNDEFINED			NSP

DATA
CPAF
In accordance with Contract Data Requirement List DD1423, Exhibit A.
NSP - Not Separately Priced.
FOB: Destination

NOTE

BASE FEE AND AWARD FEE FOR LEVEL-OF-EFFORT ORDER

In accordance with the basic contract, base fee shall for work performed under this order is

CLIN	Base Fee Amount	Hours Per Level of Effort	
0001	$191,229.00	74,699	**$2.56**

provided that the maximum number of direct labor hours are expended.

The nature of the work under this task order is level-of-effort. As such, milestones defining specific outcomes cannot be defined in terms of quantity and schedule with any certainty. Funding will be obtained from a variety of sources as work is required. Therefore, the award fee pool available in any given evaluation period will be associated with the level-of-effort expended during that period.

Award fee will be paid on a biannual (six month) basis. In addition to the base fee set forth herein, the contractor may earn and be paid all or a portion of an award fee not to exceed **$386,394.00** provided that approximately 74,699 direct labor hours are expended by the contractor. The maximum available award fee pool for any award fee period will be computed at the maximum rate of **$5.17** per direct hour invoiced by the contractor under the task order for the related award fee period. If less than 100% of the direct labor hours for the tasks are expended the fee shall be equitably reduced to reflect the reduction in work.

The Contractor is to set aside an award fee amount from each funding SLIN based on the level of effort for the associated task.

NOTE:
This order is placed against CLIN 0001 of the Basic Contract.

This order is determined to be NONSEVERABLE.

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	Destination	Government	Destination	Government
0002	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001	POP 16-SEP-2004 TO 12-MAY-2007	N/A	CDR NAWCWD CODE 539500D GARON HARRIS 1 ADMIN CIRCLE - STOP 1106 CHINA LAKE CA 93555-6100 (760) 939-2588 FOB: Destination	N68936
000101	N/A	N/A	N/A	N/A
000102	N/A	N/A	N/A	N/A
000103	N/A	N/A	N/A	N/A
000104	N/A	N/A	N/A	N/A
000105	N/A	N/A	N/A	N/A
000106	N/A	N/A	N/A	N/A
000107	N/A	N/A	N/A	N/A
000108	N/A	N/A	N/A	N/A
0002	POP 16-SEP-2004 TO 12-MAY-2007	N/A	See Exhibit A FOB: Destination	N68936

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930 NH2C 252 77777 0 054219 2F 000000
COST CODE: 6001196AA300
AMOUNT: $300,000.00
CIN 001010374500001: $300,000.00

AB: 97X4930 NH2C 252 77777 0 054219 2F 000000
COST CODE: 6001196AA400
AMOUNT: $89,086.00
CIN 001010392100001: $89,086.00

AC: 97X4930 NH2C 252 77777 0 054219 2F 000000
COST CODE: 010704410010
AMOUNT: $50,000.00
CIN 001010501100001: $50,000.00

AD: 97X4930 NH2C 252 77777 0 054219 2F 000000
COST CODE: 010712410010
AMOUNT: $50,000.00
CIN 001010501100002: $50,000.00

AE: 97X4930 NH2C 252 77777 0 054219 2F 000000
COST CODE: 010540080010
AMOUNT: $100,000.00
CIN 001010501100003: $100,000.00

AF: 97X4930 NH2C 252 77777 0 054219 2F 000000
COST CODE: 6002007A3100
AMOUNT: $20,000.00
CIN 001010888200001: $20,000.00

AG: 1741804 60CA 250 00060 W 068732 2D X00222
COST CODE: 465794TRS05Q
AMOUNT: $170,000.00
CIN 001010882000001: $170,000.00

AH: 1741804 4A2A 252 00019 0 050119 2D 000000
COST CODE: PMA248732120
AMOUNT: $200,000.00
CIN 001010866600002: $200,000.00

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Exhibit A	Contract Data Requirements List	1	07-JUN-04
Attachment 1	Statement of Work - TARIF	5	07-JUN-04
Attachment 2	Attachment (2) Level of Effort	2	08-SEP-04
Attachment 3	attachment 3 – Integrated Project Baseline	3	08-SEP-04

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA. 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP TM OTHER:

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
TARIF	N68936-04-D-0019/0002	Tybrin

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A001	**Program Progress Report**	**Monthly Status Report**

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-80555	**SOW Para 4.5**	**NAWCWD 539510D**

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	N/A	MTHLY	35 DARO
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
N/A		0	EOM+ 10 DAYS

Block 4: Tailor DID as follows: Contractor format authorized provided that the DID is used as a guideline.

Block 14: Submission of this report by electronic mail is preferable. Garon.Harris@navy.mil and Rosemarie.Vorwerk@navy.mil.

Submit on magnetic media, format to be agreed upon between the Government and the Contractor prior to submittal of this data item.

/

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES		
	Draft	Final	
		Reg	Repro
NAWC: 539510D	**0**	**1**	**0**
NAWC: 2542000D	**0**	**1**	**0**
NAWC: 535D00D	**0**	**1**	**0**
15. TOTAL →	**0**	**3**	**0**

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Naval Air Warfare Center Weapons Division China Lake, CA 93555	6/07/04	*Rosemarie D. Vorwerk*	**6/07/04**

DD Form 1423-1, 1 Jun 9090

Ex A
DO 0002

TACTS/ACTS UPGRADE & SUSTAINMENT PROJECT
STATEMENT OF WORK
7 JUNE 2004

1.0 SCOPE

The scope of this task order statement of work (SOW) requires the contractor to complete the following tasks as a team member of the Joint Navy Tactical Aircrew Combat Training System (TACTS), Air Force Air Combat Training System (ACTS), Navy Tactical Combat Training System (TCTS), and Air Force P5/CTS Government/Industry Team in accordance with this SOW and the CES II SOW.

2.0 APPLICABLE DOCUMENTS

The following documents are applicable in the performance of this SOW, latest versions shall apply.

2.1 Most current TACTS/ACTS Upgrade and Sustainment Integrated Project Baseline (IPB)
2.2 TARIF CM Plan, Policy, and Processes
2.3 TARIF Libraries Policy and Process
2.4 TARIF Process Policies
2.5 SEG Charter & Processes
2.6 SPR Development Process
2.7 TARIF Configuration Management Procedure
2.8 TARIF Online Libraries Procedure
2.9 TARIF PPQA Process
2.10 TARIF Process Quality Assurance Process
2.11 TARIF Project Closure Process
2.12 TARIF Project Execution Process
2.13 TARIF Project Initialization Process
2.14 TARIF Project Planning Process
2.15 TARIF Project Tracking Procedure
2.16 TARIF Requirements Management Process
2.17 TARIF Documentation Standards
2.18 TARIF Library File Naming Standards
2.19 Security Procedures

3.0 REQUIREMENTS

The Joint Navy Tactical Aircrew Combat Training System (TACTS) and Air Force Air Combat Training System (ACTS) Government/Industry Team developed the requirements included in this Task Order.

3.1 The required TACTS/ACTS software and hardware support will include the integration of enhancements, modernization, minor upgrades, and correction to Software Problem Reports (SPRs) and Software Trouble Reports (STRs) to the common CCS Software on a common hardware PC platform. The testing of the software and hardware at the TARIF Facility will follow this integration. After successful test, the software and hardware will be the installed along with the necessary upgrades at the various TACTS/ACTS Air Force and Navy ranges as a new baseline (see paragraph 4.2 of this SOW for list of ranges). The common software baseline will be updated and delivered on a continuous basis every 6 months. (Ref: CES II SOW 3.2, 3.5, 3.3, 3.7, 3.9, 4.2)

3.2 Separate PC baselines for Alaska (Elmendorf and Eielson), NTC Air Warrior, and Nellis will be required, but not be common with the current TARIF common software baseline until later phases. CCS and RADS capabilities for Air Force ranges that currently are not instrumented with CCS and RADS are planned for the near future. (Ref: CES II SOW 3.2, 3.5, 3.3, 3.7, 3.9, 4.1.3, 4.2)

3.3 Provide Radar Acquisition Display System (RADS) software maintenance, upgrades, and modernization. Install RADS at Navy and Air Force ranges that request and fund RADS capabilities. (Ref: CES II SOW 3.2, 3.5, 3.7, 4.1.3, 4.2)

3.4 P5 and TCTS support will be required such as in-sight into P5/TCTS contractor's design, development, testing, documentation, and software overview; providing architectural distributive interface concepts; designing, coding, building, integrating, and testing non-high activity participant interface; and provide design, development, integration, and test to have the TACTS and ACTS ranges ready for interfacing and fielding to the TCTS. Red/Black security boundary separation design and implementation shall be provided at interfaces that require red/black separation. (Ref: CES II SOW 3.2, 3.5, 3.7, 3.3, 3.7, 3.9, 3.10, 4.1.3, 4.2)

3.5 Provide TENA gateways and embed TENA object models and TENA native software into TACTS/TCTS and ACTS/P5 subsystems for distributing data to geographic locations participating in joint training and T&E exercises and JNTC, Battlespace, Network Centric, and Time Critical Strike training and T&E demonstrations and exercises. (Ref: CES II SOW 3.10.8, 4.1.3, and 4.2)

3.6 Provide DIS and HLA interfaces into TACTS/TCTS and ACTS/P5 subsystems for data interface with virtual and constructive systems and subsystems such as virtual weapons simulations and aircraft cockpit simulators to support distributed mission concepts, demonstrations, and training and T&E exercises. (Ref: CES II SOW 3.10.8, 4.1.3, and 4.2)

3.7 Provide an EW Server/Processor that will replace the EW functionality and interface requirements in the common CCS. The EW Server/Processor will include the EW surface-to-air weapons simulations, Integrated Air Defense System (IADS), and weapons interface. Provide manned and unmanned EW threat/EW Mux/EW Server interface upgrades, modernization, and enhancements with the CCS, TCTS, and P5 (Ref: CES II SOW 3.1, 3.2, 3.3, 3.5, 3.7, 3.7, 3.9, 3.10.8, 4.1.3, and 4.2)

3.8 Provide new, enhanced, modified weapons simulations. Weapons simulations will leverage new weapon simulation interface architecture. (Ref: CES II SOW 3.2, 3.5, 3.7, 3.3, 3.7, 3.9, 3.10.8, 4.1.3, and 4.2)

3.9 Provide software engineering process improvement using the SEI's Capability Maturity Model-Integrated (CMMI), Staged approach. Participate in the TARIF's System Engineering Group (SEG), mini-SEGs, and process improvement projects to document process areas and achieve CMMI Level 3. (Ref: CES II SOW 3.5.9)

3.10 The following paragraphs call out the tasks and products required of the contractor. In all cases, the most current TACTS/ACTS Upgrade and Sustainment Primavera IPB with associated responsibilities and work levels shall apply (see Applicable Doc 2.1 through 2.19). The contractor is expected to adjust resources to comply with the monthly changing TACTS/ACTS Upgrade and Sustainment Primavera IPB. The contractor shall perform in accordance with the TARIF policies, processes, procedures, standards, and guidelines of paragraph 2.0. These documents detail the processes, criteria and oversight for software and hardware development for the following: Requirements Management, Project Management (initialization, planning, execution and tracking, and closure), Systems Engineering and CMMI process improvement, Configuration Management, Supplier Agreement Management, Process Quality Assurance, Documentation and Facility Security.

The TACTS/ACTS Upgrade and Sustainment Primavera Integrated Project Baseline (IPB) includes the following elements:

3.10.1 Requirements Management:

The contractor shall complete requirements analysis/allocation, interface definition, and requirements management tasks in accordance with applicable documents 2.4-TARIF Process Policies, 2.12-TARIF Project Execution Process, 2.13-TARIF Project Initialization Process, 2.14-TARIF Project Planning Process, 2.15-TARIF Project Tracking Procedure, 2.16-TARIF Requirements Management Process, and 2.1 the most current TACTS/ACTS Upgrade and Sustainment Primavera Integrated Project Baseline (IPB). Products required from the requirements management tasks are original and derived requirements established in the TARIF Requirements Matrix System (RMS).

3.10.2 Project Management:

The contractor shall complete project management tasks in accordance with applicable documents 2.4-TARIF Process Policies, 2.11 TARIF Project Closure Process, 2.12-TARIF Project Execution Process, 2.13-TARIF Project Initialization Process, 2.14-TARIF Project Planning Process, 2.15-TARIF Project Tracking Procedure, 2.16-TARIF Requirements Management Process and 2.1 the most current TACTS/ACTS Upgrade and Sustainment Primavera Integrated Project Baseline (IPB). Products required from the project management tasks are Project Management Plan (PMP) and/or Project Executive Summary, risk analysis, cost estimate, and schedule in MS Project in accordance with the templates in the TARIF library.

3.10.3 Configuration Management:

The contractor shall complete configuration manage tasks in accordance with applicable documents 2.4-TARIF Process Policies, 2.2-TARIF Configuration Management Plan, Policy, and Processes, 2.5-SEG Charter and Processes, 2.6-SPR Development Process, 2.7-TARIF Configuration Management Procedures, and 2.1 the most current TACTS/ACTS Upgrade and Sustainment Primavera Integrated Project Baseline (IPB). Software configurable items for each project and task shall be identified and stated in each project's PMP.

3.10.4 Systems Engineering and CMMI Process Improvement:

The contractor shall complete systems engineering and CMMI process improvement tasks in accordance with applicable documents 2.3-TARIF Library Policy and Process, 2.4-TARIF Process Policies, 2.5-SEG Charter and Processes, 2.8-TARIF On-line Library Procedures, 2.17-TARIF Documentation Standard, 2.18-TARIF Library Naming Standard, and 2.1 the most current TACTS/ACTS Upgrade and Sustainment Primavera Integrated Project Baseline (IPB). Products expected from the SEG are approved baselines to be used for project software development; Revision Field Designators (RFDs); comments to draft process procedure, standard, guideline, and technical documents; and approvals of TARIF process, procedure, standards, and guidelines documents or templates.

3.10.5 Quality Assurance:

The contractor shall complete quality assurance tasks in accordance with applicable documents 2.4-TARIF Process Policies, 2.9-TARIF PPQA Process, 2.10-TARIF Process QA Process, and 2.1 the most current TACTS/ACTS Upgrade and Sustainment Primavera Integrated Project Baseline (IPB). Products required from the quality assurance tasks are results of QA audits conducted on products of TARIF processes such as but not limited to required documents in the project folders, project initialization, project planning, project execution, project closure, requirements management, CM, subcontracting and consulting, measurement collection, materials purchase, and PMP.

3.10.6 Documentation:

The contractor shall complete documentation tasks in accordance with applicable document 2.4-TARIF Process Policies, 2.17-TARIF Documentation Standard and 2.1 the most current TACTS/ACTS Upgrade and Sustainment Primavera Integrated Project Baseline (IPB). The contractor is not responsible for delivery of a complete documentation package, or any particular document. The contractor is part of the team that will create, update and review the documentation packages.

3.10.7 Facility Operations and Maintenance:

The contractor shall perform the following, but not limited, tasks: maintain the TARIF LAN and all equipment attached to it, plan and implement TARIF facilities and hardware implementation and

maintenance, and work with hardware and software vendors and TARIF personnel to select and acquire tools required by TARIF, and 2.1, the most current TACTS/ACTS Upgrade and Sustainment Primavera Integrated Project Baseline (IPB).

3.11 Program Management:
The contractor shall provide contract program management.

4.0 Special Considerations

4.1 Government Furnished Items

4.1.1 Facilities:

The contractor shall perform tasks at TARIF. The TARIF facility will be made accessible for use in performance of this Task Order. The Government will provide dedicated workspace. (Ref: CES II SOW 4.1.2)

4.1.2 Equipment:

Authority is now being provided to include the shared use of the following items on this Task Order. The following items are needed for the performance of this Task Order and are being provided as shared items.

Laptop Computer GST082400618 with Primavera P3 Project Planner
Laptop Computer GSY082400605 with Primavera P3 Project Planner
HP660LX Palmtop PC SG82940906

4.2 Travel

The contractor will be required to travel in the performance of this Task Order. The Government estimates travel to consist of the travel called out in applicable document 2.1 the most current TACTS/ACTS Upgrade and Sustainment Primavera Integrated Project Baseline (IPB). The contractor is expected to adjust resources to comply with the monthly changing TACTS/ACTS Upgrade and Sustainment Primavera IPB, applicable document 2.1. (Ref: CES II SOW 4.2)

Over the life of the task order, the contractor may be required to travel to the following sites one or more times. Depending on the actual requirement, the Team traveling will vary mix wise (Government, contractor).

Estimated travel locations are as follows: (Ref: CES II SOW 4.1.3)

21 US TACTS/ACTS Ranges
9 Interop Ranges (Fallon, Yuma, Oceana, Cherry Point, Beaufort, Tyndall, Gulfport, Key West, Wisconsin)
7 Interop Remote Sites (El Centro, Miramar, Savannah, Ft. Stewart, Camp Lejeune, Homestead, Lemoore, Nellis)
2 Alaska Ranges (Elmendorf and Eielson)
Goldwater/Luke
UTTR (Hill)
3 US Training Ranges
UTTR (Hill)
Mountain Home
Cannon AFB
2 Texas Surveillance Ranges
5 Other places
Pax, Hill, San Diego (Cubic, Protogate), Los Angeles (GMM)

Travel may be required to(b(4))

4.3 Material:

The contractor will be required to procure material in the performance of this Task Order. The Government estimates material to consist of the material called out in applicable document 2.1 the most current TACTS/ACTS Upgrade and Sustainment Primavera Integrated Project Baseline (IPB). The contractor is expected to adjust resources to comply with the monthly changing TACTS/ACTS Upgrade and Sustainment Primavera IPB, applicable document 2.1

4.4 Security:

The performance of this Task Order is classified at the level of Secret. The contractor shall perform physical security relative to classified material and facility security in accordance with applicable document 2.19 and CES II SOW paragraph 4.1.5.

4.5 Monthly Status Reports:

In support of this task order, the contractor shall deliver a monthly Cost, Schedule and Status Report (C/SSR) in accordance with *CDRL A001*. The Contractor will deliver a monthly status report that includes a summary of work performed per project and task, problems encountered, problems resolved, current schedules and information, including period and cumulative funds/hours expended. This report will be provided to the Technical Coordinator no later than 10 working days following the end of the Contractor's monthly accounting period.

4.6 Technical Coordinator:

Garon Harris
Code 539510D
Telephone: 939-2588
Fax number: 939-3719

Alternate Technical Coordinator:

Dave Baur
Code 535100D
Telephone: 939-0292
Fax number: 939-0279

4.7 Delivery Schedule: Work shall commence upon award of this task order. The delivery schedule will be based upon the most current TACTS/ACTS Upgrade and Sustainment Primavera Integrated Project Baseline (IPB).

4.8 Project Costs: The contractor shall provide Project Cost Report in accordance with paragraph 4.5 of this SOW.

LEVEL OF EFFORT
FOR
COMBAT ENVIRONMENT SIMULATION - TARIF
CES CONTRACT N68936-04-D-0019
ORDER 0002

START SEP 16, 2004 END MAY 12, 2007 DIRECT LABOR CATEGORIES	HOURS
PROJECT MANAGER	5,058
SENIOR EW ENGINEER	-
SENIOR TACTS/ACMI ENGINEER	11,923
TACTS/ACMI ENGINEER	2,110
SENIOR FINANCIAL ANALYST	-
CONTRACT MANAGEMENT SPECIALIST	-
GPS SYSTEM ANALYST/PROJECT MANAGER	-
SYSTEM ENGINEER	3,370
COMPUTER SYSTEMS ENGINEER	-
SENIOR ELECTRONIC ENGINEER	-
EW THREAT SYSTEMS ENGINEER	5,058
SENIOR SOFTWARE ENGINEER	26,008
SENIOR SOFTWARE ENGINEER	5,058
DIGITAL DATA COMMUNICATIONS ENGINEER	-
TRANSMITTER ENGINEER	-
DIGITAL SIGNAL PROCESSING ENGR	-
MECHANICAL ENGINEER	-
CONTROL SYSTEMS ENGINEER	-
SOFTWARE ENGR/SYSTEMS ANALYST	940
TEST ENGINEER	-
COMPUTER PROGRAMMER	-
ILS SPECIALIST	-
TECHNICAL WRITER	-
CONFIGURATION DATA MGR	-
DATA MANAGEMENT SPECIALIST	-
DRAFTSMAN	-
ELECTRONICS TECHNICIAN	-
FIELD ENGR/TECHNICIAN	10,116
SECRETARY/CLERICAL	-
INSTURMENTATION/ELEC ENGR	-
ELECTRONICS TECH TROUBLESHOOTER	-
FINANICAL ANALYST	5,058
	-
	-
TOTAL HOURS	74699
KEY PERSONNEL	

		TACTS /ACTS Update and Substainment Primavera Integrated Project Baseline (IPB)									
			Applicable Document 2.3 (**Plan as of 8 Sep 04**)								
			16 Sept 04 thru 12 May 07								
SOW Para #	**Activity ID**	**ACTIVITY TITLE**	**START**	**FINISH**	**GOVT HRS ESTIMATE**	**Quantity**	**GOVT ESTIMATE**				
3.2	1.0	**Alaska Common CCS**									
3.10.1	1.1	Requirements Management	21-Sep-04	30-May-05	144						
3.10.2	1.2	Project Mg't & Execution	21-Sep-04	30-May-05	4,680						
3.10.3	1.3	Configuration Management	21-Sep-04	30-May-05	144						
3.10.4	1.4	QA	21-Sep-04	30-May-05	144						
3.10.5	1.5	Documentation	21-Sep-04	30-May-05	144						
	1.6	Travel (3 people, 1 wk)	21-Sep-04	30-May-05		7					
	1.7	Material	21-Sep-04	30-May-05			$ 50,000.00				
		SUBTOTAL			5,256						
3.2	2.0	**Air Warrior Common CCS**									
3.10.1	2.1	Requirements Management	21-Sep-04	30-May-05	144						
3.10.2	2.2	Project Management	21-Sep-04	30-May-05	3,600						
3.10.3	2.3	Configuration Management	21-Sep-04	30-May-05	144						
3.10.5	2.4	QA	21-Sep-04	30-May-05	144						
3.10.6	2.5	Documentation	21-Sep-04	30-May-05	144						
	2.6	Travel (3 people, 1 wk)	21-Sep-04	30-May-05		7					
	2.7	Material	21-Sep-04	30-May-05			$ 150,000.00				
		SUBTOTAL			4,176						
3.2	3.0	**Nellis Common CCS**									
3.10.1	3.1	Requirements Management	01-Apr-05	30-Jun-06	195						
3.10.2	3.2	Project Mg't & Execution	01-Apr-05	30-Jun-06	5,297						
3.10.3	3.3	Configuration Mg't	01-Apr-05	30-Jun-06	660						
3.10.5	3.4	QA	01-Apr-05	30-Jun-06	197						
3.10.6	3.5	Documentation	01-Apr-05	30-Jun-06	197						
	3.6	Travel (3 people, 1 wk)	01-Apr-05	30-Jun-06		7					
	3.7	Material	01-Apr-05	30-Jun-06			$ 150,000.00				
		SUBTOTAL			6,546						
3.2/3.3	4.0	**RADS**									
3.10.1	4.1	Requirements Management	21-Sep-04	14-May-07	127						
3.10.2	4.2	Project Mg't & Execution	21-Sep-04	14-May-07	3,193						
3.10.3	4.3	Configuration Mg't	21-Sep-04	14-May-07	726						
3.10.5	4.4	QA	21-Sep-04	14-May-07	126						
3.10.6	4.5	Documentation	21-Sep-04	14-May-07	253						
	4.6	Travel (2 people, 1 wk)	21-Sep-04	14-May-07		20					
	4.7	Material	21-Sep-04	14-May-07			$ 250,000.00				
		SUBTOTAL			4,425						
3.4	5.0	**TCTS/P5**									
3.10.1	5.1	Requirements Management	21-Sep-04	14-May-07	131						
3.10.2	5.2	Project Mg't & Execution	21-Sep-04	14-May-07	8,364						
3.10.3	5.3	Configuration Mg't	21-Sep-04	14-May-07	356						
3.10.5	5.4	QA	21-Sep-04	14-May-07	126						
3.10.6	5.5	Documentation	21-Sep-04	14-May-07	126						
	5.6	Travel (1 people, 1 wk)	21-Sep-04	14-May-07		60					
	5.7	Material	21-Sep-04	14-May-07			$ 150,000.00				
		SUBTOTAL			9,103						
3.7	6.0	**EW Server & Threat Integration**									
3.10.1	6.1	Requirements Management	21-Sep-04	14-May-07	118						
3.10.2	6.2	Project Mg't & Execution	21-Sep-04	14-May-07	6,776						
3.10.3	6.3	Configuration Mg't	21-Sep-04	14-May-07	328						
3.10.5	6.4	QA	21-Sep-04	14-May-07	38						
3.10.6	6.5	Documentation	21-Sep-04	14-May-07	38						
	6.6	Travel (1 people, 1 wk)	21-Sep-04	14-May-07		10					
	6.7	Material	21-Sep-04	14-May-07			$ 25,000.00				
		SUBTOTAL			7,298						

		TACTS /ACTS Update and Substainment Primavera Integrated Project Baseline (IPB)						
		Applicable Document 2.3 **(Plan as of 8 Sep 04)**						
		16 Sept 04 thru 12 May 07						
SOW Para #	**Activity ID**	**ACTIVITY TITLE**	**START**	**FINISH**	**GOVT HRS ESTIMATE**	**Quantity**	**GOVT ESTIMATE**	
3.5	7.0	**TENA**						
3.10.1	7.1	Requirements Management	21-Sep-04	14-May-07	98			
3.10.2	7.2	Project Mg't & Execution	21-Sep-04	14-May-07	2,402			
3.10.3	7.3	Configuration Mg't	21-Sep-04	14-May-07	256			
3.10.5	7.4	QA	21-Sep-04	14-May-07	63			
3.10.6	7.5	Documentation	21-Sep-04	14-May-07	126			
	7.6	Travel (1 people, 1 wk)	21-Sep-04	14-May-07		30		
	7.7	Material	21-Sep-04	14-May-07			$ 20,000.00	
		SUBTOTAL			2,945			
3.6	8.0	**DIS/HLA**						
3.10.1	8.1	Requirements Management	21-Sep-04	14-May-07	126			
3.10.2	8.2	Project Mg't & Execution	21-Sep-04	14-May-07	2,362			
3.10.3	8.3	Configuration Mg't	21-Sep-04	14-May-07	296			
3.10.5	8.4	QA	21-Sep-04	14-May-07	61			
3.10.6	8.5	Documentation	21-Sep-04	14-May-07	126			
	8.6	Travel (1 people, 1 wk)	21-Sep-04	14-May-07		15		
	8.7	Material	21-Sep-04	14-May-07			$ 20,000.00	
		SUBTOTAL			2,971			
3.8	9.0	**Weapons Simulations**						
3.10.1	9.1	Requirements Management	21-Sep-04	14-May-07	202			
3.10.2	9.2	Project Mg't & Execution	21-Sep-04	14-May-07	3,891			
3.10.3	9.3	Configuration Mg't	21-Sep-04	14-May-07	421			
3.10.5	9.4	QA	21-Sep-04	14-May-07	101			
3.10.6	9.5	Documentation	21-Sep-04	14-May-07	100			
	9.6	Travel (1 people, 1 wk)	21-Sep-04	14-May-07		10		
	9.7	Material	21-Sep-04	14-May-07			$ 10,000.00	
		SUBTOTAL			4,715			
3.9	10.0	**S/W Improvement**						
3.10.1	10.1	Requirements Management	01-Sep-04	30-Aug-06	42			
3.10.2	10.2	Project Mg't & Execution	01-Sep-04	30-Aug-06	3,353			
3.10.3	10.3	Configuration Mg't	01-Sep-04	30-Aug-06	718			
3.10.5	10.4	QA	01-Sep-04	30-Aug-06	84			
3.10.6	10.5	Documentation	01-Sep-04	30-Aug-06	1,536			
	10.6	Travel (2 people, 1 wk)	01-Sep-04	30-Aug-06		15		
	10.7	Material	01-Sep-04	30-Aug-06			$ 10,000.00	
		SUBTOTAL			5,733			
3.1	11.0	**5.9 Release**						
3.10.1	11.1	Requirements Management	01-Sep-04	28-Feb-05	35			
3.10.2	11.2	Project Mg't & Execution	01-Sep-04	28-Feb-05	1,607			
3.10.3	11.3	Configuration Mg't	01-Sep-04	28-Feb-05	100			
3.10.5	11.4	QA	01-Sep-04	28-Feb-05	9			
3.10.6	11.5	Documentation	01-Sep-04	28-Feb-05	35			
	11.6	Travel (1 people, 1 wk)	01-Sep-04	28-Feb-05		3		
	11.7	Material	01-Sep-04	28-Feb-05			$ 10,000.00	
		SUBTOTAL			1,786			
3.1	12.0	**5.10 Release**						
3.10.1	12.1	Requirements Management	01-Dec-04	30-Jun-05	35			
3.10.2	12.2	Project Mg't & Execution	01-Dec-04	30-Jun-05	1,607			
3.10.3	12.3	Configuration Mg't	01-Dec-04	30-Jun-05	100			
3.10.5	12.4	QA	01-Dec-04	30-Jun-05	9			
3.10.6	12.5	Documentation	01-Dec-04	30-Jun-05	35			
	12.6	Travel (1 people, 1 wk)	01-Dec-04	30-Jun-05		3		
	12.7	Material	01-Dec-04	30-Jun-05			$ 10,000.00	
		SUBTOTAL			1,786			
3.1	13.0	**5.11 Release**						
3.10.1	13.1	Requirements Management	01-Jun-05	30-Dec-05	35			
3.10.2	13.2	Project Mg't & Execution	01-Jun-05	30-Dec-05	1,637			
3.10.3	13.3	Configuration Mg't	01-Jun-05	30-Dec-05	70			
3.10.5	13.4	QA	01-Jun-05	30-Dec-05	9			
3.10.6	13.5	Documentation	01-Jun-05	30-Dec-05	35			
	13.6	Travel (1 people, 1 wk)	01-Jun-05	30-Dec-05		3		
	13.7	Material	01-Jun-05	30-Dec-05			$ 10,000.00	
		SUBTOTAL			1,786			

		TACTS /ACTS Update and Substainment Primavera Integrated Project Baseline (IPB)									
			Applicable Document 2.3 **(Plan as of 8 Sep 04)**								
			16 Sept 04 thru 12 May 07								
SOW Para #	**Activity ID**	**ACTIVITY TITLE**	**START**	**FINISH**	**GOVT HRS ESTIMATE**	**Quantity**	**GOVT ESTIMATE**				
3.1	14.0	**5.12 Release**	01-Dec-05	30-Jun-06	35						
3.10.1	14.1	Requirements Management	01-Dec-05	30-Jun-06	1,637						
3.10.2	14.2	Project Mg't & Execution	01-Dec-05	30-Jun-06	70						
3.10.3	14.3	Configuration Mg't	01-Dec-05	30-Jun-06	9						
3.10.5	14.4	QA	01-Dec-05	30-Jun-06	35						
3.10.6	14.5	Documentation	01-Dec-05	30-Jun-06							
	14.6	Travel (1 people, 1 wk)	01-Dec-05	30-Jun-06		3					
	14.7	Material	01-Dec-05	30-Jun-06			$ 10,000.00				
		SUBTOTAL			1,786						
3.1	15.0	**5.13 Release**				4					
3.10.1	15.1	Requirements Management	01-Jun-06	30-Dec-06	35						
3.10.2	15.2	Project Mg't & Execution	01-Jun-06	30-Dec-06	1,637						
3.10.3	15.3	Configuration Mg't	01-Jun-06	30-Dec-06	70						
3.10.5	15.4	QA	01-Jun-06	30-Dec-06	9						
3.10.6	15.5	Documentation	01-Jun-06	30-Dec-06	35						
	15.6	Travel (1 people, 1 wk)	01-Jun-06	30-Dec-06		3					
	15.7	Material	01-Jun-06	30-Dec-06			$ 10,000.00				
		SUBTOTAL			1,786						
3.1	16.0	**5.14 Release**									
3.10.1	16.1	Requirements Management	01-Dec-06	14-May-07	35						
3.10.2	16.2	Project Mg't & Execution	01-Dec-06	14-May-07	1,393						
3.10.3	16.3	Configuration Mg't	01-Dec-06	14-May-07	170						
3.10.5	16.4	QA	01-Dec-06	14-May-07	9						
3.10.6	16.5	Documentation	01-Dec-06	14-May-07	35						
	16.6	Travel (1 people, 1 wk)	01-Dec-06	14-May-07		3					
	16.7	Material	01-Dec-06	14-May-07			$ 10,000.00				
		SUBTOTAL			1,642						
3.10.7	21.0	**Facility O&M**	01-Sep-04	14-May-07	5,058						
		Material					$ 150,000.00				
3.9	22.0	**System Engineering**	01-Sep-04	14-May-07	843						
		Travel (4 people, 1 wk)	01-Sep-04	14-May-07		10					
		Material					$50,000				
3.11	22.0	**PROGRAM MANAGEMENT**	01-Sep-04	14-May-07	5,058						
		Travel (1 people, 1 wk)				30					
		TOTAL			**74,699**	**243**	**$ 1,095,000.00**				

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO.	2. DELIVERY ORDER/ CALL NO.	3. DATE OF ORDER/CALL (YYYYMMMDD)	4. REQ./ PURCH. REQUEST NO.	5. PRIORITY
N68936-04-D-0019	0003	2005 Apr 29	0010133397	

6. ISSUED BY CODE N68936
CDR NAWCWD CODE 220000D
ATTN: B. MONCKTON
(760) 939-8234
429 E BOWEN RD - STOP 4015
CHINA LAKE CA 93555-6108

7. ADMINISTERED BY *(if other than 6)* CODE S0101A
DCMA BIRMINGHAM
1910 THIRD AVENUE NORTH
SUITE 201
BIRMINGHAM AL 35203-3514

8. DELIVERY FOB
[X] DESTINATION
[ ] OTHER
(See Schedule if other)

9. CONTRACTOR CODE 1H996 FACILITY
NAME AND ADDRESS
TYBRIN CORPORATION
JOE JAMES
1030 TITAN COURT
FORT WALTON BEACH FL 32547

10. DELIVER TO FOB POINT BY (Date) *(YYYYMMMDD)*
SEE SCHEDULE

11. MARK IF BUSINESS IS
[ ] SMALL
[ ] SMALL DISADVANTAGED
[ ] WOMEN-OWNED

12. DISCOUNT TERMS

13. MAIL INVOICES TO THE ADDRESS IN BLOCK
See Item 15

14. SHIP TO CODE N68936
CDR NAWCWD CODE 539500D
GARON HARRIS
1 ADMIN CIRCLE - STOP 1106
CHINA LAKE CA 93555-6100

15. PAYMENT WILL BE MADE BY CODE HQ0338
DFAS - COLUMBUS CENTER
SOUTH ENTITLEMENT OPERATIONS
PO BOX 182264
COLUMBUS OH 43218-2264

MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.

16. TYPE OF ORDER			
	DELIVERY/ CALL	X	This delivery order/call is issued on another Government 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 (YYYYMMMDD)

[X] If this box is marked, supplier must sign Acceptance and return the following number of copies: 1

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
TEL: (760) 939-6043
EMAIL: mary.jacobs@navy.mil
BY: MARY K. JACOBS
CONTRACTING / ORDERING OFFICER

25. TOTAL $10,385,803.00
26. DIFFERENCES

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

b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE | c. DATE (YYYYMMMDD) | d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE

e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE

f. TELEPHONE NUMBER | g. E-MAIL ADDRESS

28. SHIP NO. | 29. DO VOUCHER NO. | 30. INITIALS

[ ] PARTIAL [ ] FINAL

31. PAYMENT
[ ] COMPLETE [ ] PARTIAL [ ] FINAL

32. PAID BY

33. AMOUNT VERIFIED CORRECT FOR

34. CHECK NUMBER

35. BILL OF LADING NO.

36. I certify this account is correct and proper for payment.
a. DATE (YYYYMMMDD) | b. SIGNATURE AND TITLE OF CERTIFYING OFFICER

37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMMDD)	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		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

COMBAT ENVIRONMENT SIMULATION - BASE PERIOD

CPAF

Alaska Air Combat Training System and Range Expansion. In accordance with Statement of Work.

FOB: Destination

PURCHASE REQUEST NUMBER: 0010133397

MAX COST	$9,816,882.00
BASE FEE	$154,447.00
SUBTOTAL MAX COST + BASE	$9,971,329.00
MAX AWARD FEE	$414,474.00
TOTAL MAX COST + FEE	$10,385,803.00

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000101		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY

CPAF

Pacific Range Complex (PARC) Instrumentation expansion. In accordance with Statement of Work.

FOB: Destination

PURCHASE REQUEST NUMBER: 0010133397

ACRN AA (cost + fee) $3,300,000.00
CIN: 001013339700001

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0002		UNDEFINED			NSP

DATA
CPAF
In accordance with Contract Data Requirements List Exhibit A
Not Separately Priced.
FOB: Destination

NOTE

BASE FEE AND AWARD FEE FOR LEVEL-OF-EFFORT ORDER

In accordance with the basic contract, base fee shall for work performed under this order is

CLIN	Base Fee Amount	Hours Per Level of Effort	
0001	$154,447	60,331	**$2.56**

provided that the maximum number of direct labor hours are expended.

The nature of the work under this task order is level-of-effort. As such, milestones defining specific outcomes cannot be defined in terms of quantity and schedule with any certainty. Funding will be obtained from a variety of sources as work is required. Therefore, the award fee pool available in any given evaluation period will be associated with the level-of-effort expended during that period.

Award fee will be paid on a biannual (six month) basis. In addition to the base fee set forth herein, the contractor may earn and be paid all or a portion of an award fee not to exceed **$414,474.00** provided that approximately 60,331 direct labor hours are expended by the contractor. The maximum available award fee pool for any award fee period will be computed at the maximum rate of **$6.87** per direct hour invoiced by the contractor under the task order for the related award fee period. If less than 100% of the direct labor hours for the tasks are expended the fee shall be equitably reduced to reflect the reduction in work.

The Contractor is to set aside an award fee amount from each funding SLIN based on the level of effort for the associated task.

NOTE:
This order is placed against CLIN 0001 of the Basic Contract.

This order is determined to be **NONSEVERABLE**.

In accordance with 52.244-2(e) SUBCONTRACTS of the basic contract, the Contracting Officer's written consent is required for subcontracts valued at $10,000 or greater for this order. This consent is in effect until Dec 14, 2005 unless revised by modification.

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	Destination	Government	Destination	Government
0002	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001	POP 02-MAY-2005 TO 12-MAY-2007	N/A	CDR NAWCWD CODE 539500D GARON HARRIS 1 ADMIN CIRCLE - STOP 1106 CHINA LAKE CA 93555-6100 (760) 939-2588 FOB: Destination	N68936
0002	N/A	N/A	N/A	N/A

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930 NH2C 252 77777 0 054219 2F 000000
COST CODE: 011426320020
AMOUNT: $3,300,000.00
CIN 001013339700001: $3,300,000.00

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	Alaska Air Combat Training System and Range Expansion Support	5	28FEB2005
Attachment 2	Integrated Project Baseline	3	01APR2005
Attachment 3	Level of Effort	6	01APR2005
Exhibit A	Contract Data Requirements List	1	09MAR2005

ALASKA AIR COMBAT TRAINING SYSTYEM AND RANGE EXPANSION SUPPORT

STATEMENT OF WORK

1.0 SCOPE: The scope of this task order statement of work (SOW) requires the contractor to complete the following tasks as a team member of the Joint Navy Tactical Aircrew Combat Training System (TACTS), Air Force Air Combat Training System (ACTS), Navy Tactical Combat Training System (TCTS), and Air Force P5/CTS Government/Industry Team in accordance with this SOW and the CES II SOW.

2.0 APPLICABLE DOCUMENTS: The following documents are applicable in the performance of this SOW, latest versions shall apply.

2.1 Most current Alaska Eielson ACTS Range Expansion Integrated Project Baseline (IPB)
2.2 TARIF CM Plan, Policy, and Processes
2.3 TARIF Libraries Policy and Process
2.4 TARIF Process Policies
2.5 SEG Charter & Processes
2.6 SPR Development Process
2.7 TARIF Configuration Management Procedure
2.8 TARIF Online Libraries Procedure
2.9 TARIF PPQA Process
2.10 TARIF Process Quality Assurance Process
2.11 TARIF Project Closure Process
2.12 TARIF Project Execution Process
2.13 TARIF Project Initialization Process
2.14 TARIF Project Planning Process
2.15 TARIF Project Tracking Procedure
2.16 TARIF Requirements Management Process
2.17 TARIF Documentation Standards
2.18 TARIF Library File Naming Standards
2.19 Security Procedures

3.0 REQUIREMENTS: The Joint Navy Tactical Aircrew Combat Training System (TACTS) and Air Force Air Combat Training System (ACTS), HQ PACAF DOQ and Alaska ACTS Range Management team Government/Industry Team developed the requirements included in this Task Order. The most current Alaska Eielson ACTS Range Expansion Integrated Project Baseline (IPB), Applicable Doc 2.1 includes the following elements:

3.1 Alaska CCS-PC Sustainment: Alaska CCS-PC software and hardware support will include the integration of enhancements, software module and subroutine modernization, minor functional upgrades, and corrections of reported software problems. The software and any affected hardware will be tested at the TARIF Facility following any integration tasks. The common software baseline for Alaska will be updated and delivered as required by HQ PACAF DOQ. (Ref: CES II SOW 3.2, 3.5, 3.3, 3.7, 3.9, 4.2)

3.1.1 Integration of Alternate Participant Track Sources: The contractor shall support the integration of Link 16 data messages into the CCS-PC mission data processing and output to mission monitoring and debriefing displays on ICADS display workstations. The contractor shall also Incorporate ARDS Pod downlink data, RT-CACR downlink data and treat these inputs as HAA players so that the aircraft is a valid target for Air to Air and Ground to Air (Threat) weapons launches.

3.1.2 Integration of AAU Phase II Modifications: The contractor shall incorporate the changes made to the Maxion CCS software baseline made during the AAU Phase II upgrade project into the Eielson and Elmendorf CCS-PC software baseline.

3.1.3 EDE/AMODSM Real Time Status Display: The contractor shall add a real time operational status display window to the CCS-PC displaying the operational status data for the EDE/AMODSM.

3.1.4 Integration of F/A-18 and AV8B AISI Mission Data: The contractor shall investigate and if possible modify the operation of the EDE/FP/FVP subsystems to permit the mission data downlinked from F/A-18s and AV8Bs that use AISIs and have internal GPS receivers (MAGR or EGR), and that have the correct software load. This task will consist of modifying the EDE/FP/FVP subsystem to permit the messages to bypass the normal filtering, and a very small integration/test effort at Elmendorf or Eielson.

3.2 RADS Sustainment: The contractor shall maintain, sustain, and modernization applicable Alaska Radar Acquisition Display System (RADS) software. (Ref: CES II SOW 3.2, 3.5, 3.7, 4.1.3, 4.2)

3.3 Advanced System Operation Console (ASOC) Sustainment: The contractor shall sustain the Alaska ASOC in support of normal operations and exercises. The contractor shall modify the subsystem software to provide functional capabilities as operational requirements dictate. The contractor's support shall include the integration of enhancements, software module and subroutine modernization, minor functional upgrades, and corrections of reported software problems. The software and any affected hardware will be tested at the TARIF Facility following any integration tasks.

3.4 TENA: Provide TENA gateways and embed TENA object models and develop/implement TENA native software into the Alaska CCS-PC and applicable subsystems for distributing data to geographic locations participating in joint training and T&E exercises and JNTC, Battlespace, Network Centric, and Time Critical Strike training and T&E demonstrations and exercises. (Ref: CES II SOW 3.10.8, 4.1.3, and 4.2)

3.4.1 9C2 TENA Interface: The contractor shall provide an operational TENA interface to the Alaska 9C2 command and control system using the ACTS debriefing workstation TENA Gateway developed for Alaska by the Cubic Corporation. The contractor shall interface the Gateway to an NSA approved Red/Black cross-domain device to ensure operational security for the two-way data flow (ACTS to 9C2 and 9C2 to ACTS and a connected UMTE system.

3.4.2 UMTE TENA Interface: The contractor shall provide an operational TENA interface to the Alaska UMTE system using the ACTS debriefing workstation TENA Gateway developed for Alaska by the Cubic Corporation. The contractor shall interface the Gateway to an approved Red/Black cross-domain device to ensure operational security for the two-way data flow (ACTS to UMTE and UMTE to ACTS.

3.5 DIS and HLA: Provide DIS and HLA interfaces into Alaska CCS-PC and applicable subsystems for data interface with virtual and constructive systems and subsystems such as virtual weapons simulations and aircraft cockpit simulators to support distributed mission concepts, demonstrations, and training and T&E exercises. (Ref: CES II SOW 3.10.8, 4.1.3, and 4.2)

3.6 EW Server and EW MUX: Provide an EW Server/Processor and communications multiplexer (EW MUX) that will provide EW functionality separate from the CCS-PC and satisfy threat range equipment to CCS PC interface requirements. The EW Server/Processor will include required surface-to-air weapons simulations (SAM and AAA) and an Integrated Air Defense System (IADS) simulation. Provide manned and unmanned EW threat range equipment/EW Mux/EW Server interface upgrades, modernization, and enhancements with the CCS PC as required to support training operations. (Ref: CES II SOW 3.1, 3.2, 3.3, 3.5, 3.7, 3.7, 3.9, 3.10.8, 4.1.3, and 4.2)

3.7 ACTS/TACTS Weapon Simulations: The contractor shall provide new, enhanced, and modified weapons simulations required by HQ PACAF DOQ. Weapons simulations will leverage new weapon simulation interface architecture. The contractor shall coordinate with designated Government agencies (NASIC/AENR) to verify the correctness and accuracy of ACTS SAM and AAA weapon and associated IADS simulations in use on the Alaska ranges. The contractor shall update those weapon simulations determined to require modernization to accurately represent the intended threat or weapon system. (Ref: CES II SOW 3.2, 3.5, 3.7, 3.3, 3.7, 3.9, 3.10.8, 4.1.3, and 4.2)

3.8 Alaska ACTS Range Expansion: The contractor shall support the expansion of the Eielson AFB ACTS range to support combat aircrew training events and exercises. There are six primary tasks to be accomplished to

extend the existing Pacific Alaska Range Complex (PARC) Yukon Measurement and Debriefing System (YMDS) Aircraft Instrumentation Subsystem (AIS) aircraft/pod tracking coverage and upgrades the remote ground communications sites on the YMDS and Alaska Air Combat Training System (ACTS) ranges. (Ref: CES II SOW 3.1, 3.2, 3.5, 3.7, 3.8, 3.10.8, 3.11 and subparagraphs, 4.1.3, and 4.2)

3.8.1 Task 1: YMDS Range Tracking Instrumentation Subsystem (TIS) Remote and Master Site Upgrade. This task consists of upgrading the TIS remote and master sites: external and internal grounding, replacing ground-to-air-to ground data link (air data link) antennas, adding new ground-to-air-to-ground data link amplifiers, replacing lightning rods, and installing tower safety cable restraints on towers that do not currently have them installed.

3.8.2 Task 2: Reconfigure YMDS Range TIS Remote Site Placement. This task includes but is not limited to work on construction of new microwave ground-to-ground and ground-to-air-to-ground communication relay sites, relocating communications site equipment from one remote location to a new remote location, site grounding, modifying existing remote sites for additional communications equipment, adding new communications equipment, and installing new microwave relay communications radios. The contractor shall replace the originally installed master site batteries.

3.8.3 Task 3: Alaska Range TIS Remote and Master Site Upgrade. This task consists of replacing the air data link antennas, replacing lightning rods, external and internal grounding, installing new ground-to-air-to-ground data link amplifiers, installing tower safety cable restraints on the towers that do not have them installed, and constructing a new TIS Remote site.

3.8.4 Task 4: Extend YMDS Range into Fox MOA. This task requires the installation of new TIS remote and communications relay sites for AIS pod tracking in the Fox MOA and the relaying of ground-to-air-to-ground data between the new sites and the Cope Thunder Operations facility at Eielson AFB. Data will be integrated into the existing YMDS for real-time tracking and recording for debriefing. The new remote sites shall have the same capabilities as those sites designed for the YMDS and as modified by Tasks 1, 5, and 6.

3.8.5 Task 5: YMDS Range Extension Shelter Systems. This task provides the shelter systems supporting the Yukon Range Extension activities defined in Task 1, 2, 3, and 4. The shelter systems include the shelter, remote power subsystem, power controller, installed carbon monoxide (CO) detector and installed propane gas detector in each remote shelter, and disconnecting and reconnecting all components impacted by this task. The task includes the demobilization for the current shelter systems and installation of the new shelter systems on each defined remote site.

3.8.6 Task 6: Ground System Software and TIS Interrogator Modifications. The contractor shall develop the capability for the Alaska CCS PC to increase the number of "live" High Activity Aircraft (HAA) participants to a minimum of 72 vice the current 36. The contractor shall modify the CCS PC software such that the Eielson ACTS range may be operated as two separate ranges, range 1 operating on frequency A and range 2 operating on frequency B. Each range will operate using their associated TIS master and remote TIS interrogators. Task 6 also will require the modifications to the integrated software baseline as a result of Tasks 1, 2, 3, 4, and 5. This task will also address the need to produce a second set of Encryption-Decryption Equipment (EDE), Filter Verification Processor (FVP) components, and Filter Processor (FP) components to interface with the second independent range. This task will replace frequency multipliers in the TIS interrogators, and design and install the capability to remotely switch the TIS interrogator frequencies (A to B or B to A) through commands from the CCS-PC while retaining a manual switching at the interrogator, modify the CCS PC software for controlling and monitoring the switching of the A and B frequencies at a remote interrogator. The contractor shall make all necessary software modifications to the CCS PC and ICADS to support the new locations of the remotes. The contractor shall perform site integration with live-podded aircraft to evaluate CCS PC and ICADS software performance and tracking coverage of the expanded range areas. Those areas that have remote(s) relocated shall also be evaluated to determine the effect of remote relocation. Once all relocated and new remotes are in position and operating a series of tracking tests shall be conducted to finalize the range expansion project. After each flight test a CCS watch-dog report will be produced to document tracking coverage.

3.9 General Project Management Tasks: The following paragraphs call out general project management tasks and products required of the contractor. In all cases, the most current Alaska ACTS Range Expansion and Sustainment IPB with associated responsibilities and work levels shall apply (see Applicable Documents 2.1 through 2.19, paragraph 2.0). The contractor is expected to adjust resources to comply with the monthly changing IPB. The

contractor shall perform in accordance with the TARIF policies, processes, procedures, standards, and guidelines of paragraph 2.0. These documents detail the processes, criteria and oversight for software and hardware development for the following: Requirements Management, Project Management (initialization, planning, execution and tracking, and closure), Systems Engineering and CMMI process improvement, Configuration Management, Supplier Agreement Management, Process Quality Assurance, Documentation and Facility Security. The Alaska ACTS Range Expansion and Sustainment IPB includes the following elements:

3.9.1 Requirements Management: The contractor shall complete requirements analysis/allocation, interface definition, and requirements management tasks in accordance with applicable documents 2.4-TARIF Process Policies, 2.12-TARIF Project Execution Process, 2.13-TARIF Project Initialization Process, 2.14-TARIF Project Planning Process, 2.15-TARIF Project Tracking Procedure, 2.16-TARIF Requirements Management Process, and 2.1 the most current Alaska ACTS Ranges Expansion IPB. The contractor shall identify and list project original and derived requirements using established tools as cited in 2.16-TARIF Requirements Management Process.

3.9.2 Project Management and Execution: The contractor shall complete project management tasks in accordance with applicable documents 2.4-TARIF Process Policies, 2.11 TARIF Project Closure Process, 2.12-TARIF Project Execution Process, 2.13-TARIF Project Initialization Process, 2.14-TARIF Project Planning Process, 2.15-TARIF Project Tracking Procedure, 2.16-TARIF Requirements Management Process and 2.1 the most current Alaska ACTS Ranges Expansion IPB. The contractor shall generate Project Management Plans (PMPs) and/or Project Executive Summary, risk analysis, cost estimate, and schedules in MS Project as required in accordance with the templates in the TARIF library.

3.9.3 Configuration Management: The contractor shall complete configuration manage tasks in accordance with applicable documents 2.4-TARIF Process Policies, 2.2-TARIF Configuration Management Plan, Policy, and Processes, 2.5-SEG Charter and Processes, 2.6-SPR Development Process, 2.7-TARIF Configuration Management Procedures, and 2.1 the most current Alaska ACTS Ranges Expansion IPB. The contractor shall identify project software configurable items as stated in each project's PMP.

3.9.4 Systems Engineering: The contractor shall complete systems engineering tasks in accordance with applicable documents 2.3-TARIF Library Policy and Process, 2.4-TARIF Process Policies, 2.5-SEG Charter and Processes, 2.8-TARIF On-line Library Procedures, 2.17-TARIF Documentation Standard, 2.18-TARIF Library Naming Standard, and 2.1 the most current Alaska ACTS Ranges Expansion IPB. The contractor shall generate approved software and hardware configuration baselines to be used for project software development; Revision Field Designators (RFDs); comments to draft process procedures, standards, guidelines, and technical documents as required.

3.9.5 Quality Assurance: The contractor shall complete quality assurance tasks in accordance with applicable documents 2.4-TARIF Process Policies, 2.9-TARIF PPQA Process, 2.10-TARIF Process QA Process, and 2.1 the most current Alaska ACTS Ranges Expansion IPB. The contractor shall produce completed review checklist for required documents in a project folders, project initialization, project planning, project execution, project closure, requirements management, CM, subcontracting and consulting, measurement collection, materials purchase, and its PMP.

3.9.6 Documentation: The contractor shall complete documentation tasks in accordance with applicable document 2.4-TARIF Process Policies, 2.17-TARIF Documentation Standard and 2.1 the most current Alaska ACTS Ranges Expansion IPB. The contractor as part of the TARIF team will create, update, review and deliver required documentation packages.

3.10 Program Management: The contractor shall provide overall contract program management.

4.0 Special Considerations

4.1 Government Furnished Items

4.1.1 Facilities: The contractor shall perform tasks at TARIF and at the Alaska ACTS ranges. The TARIF facility will be made accessible for use in performance of this Task Order. The Government will provide dedicated workspace. (Ref: CES II SOW 4.1.2)

4.1.2 Equipment: Authority is now being provided to include the shared use of the following items on this Task Order. The following items are needed for the performance of this Task Order and are being provided as shared items.

4.2 Travel: The contractor will be required to travel in the performance of this Task Order. The Government estimates travel to consist of the travel called out in the Alaska ACTS Ranges Expansion IPB. (Ref: CES II SOW 4.2)

Over the life of the task order, the contractor may be required to travel to the following sites one or more times. Depending on the actual requirement, the Team traveling will vary mix wise (Government, contractor). Estimated travel locations are as follows: (Ref: CES II SOW 4.1.3)

1. Alaska Ranges (Elmendorf and Eielson), Alaska
2. Hill AFB, UT
3. Eglin AFB, FL
4. Hickam AFB HI
5. San Diego, CA
6. Buffalo, NY

4.3 Material: The contractor will be required to procure material in the performance of this Task Order. The Government estimates material to consist of the material called out in the Alaska ACTS Ranges Expansion IPB.

4.4 Security: The performance of this Task Order is classified at the level of Secret. The contractor shall perform physical security relative to classified material and facility security in accordance with applicable document 2.19 and CES II SOW paragraph 4.1.5.

4.5 Monthly Status Reports: In support of this task order, the contractor shall deliver a monthly Cost, Schedule and Status Report (C/SSR) in accordance with *CDRL A001*. The Contractor will deliver a monthly status report that includes a summary of work performed per project and task, problems encountered, problems resolved, current schedules and information, including period and cumulative funds/hours expended. This report will be provided to the Technical Coordinator no later than 10 working days following the end of the Contractor's monthly accounting period.

4.6 Technical Coordinator:

Garon Harris
Code 539510D
Telephone: 939-2588
Fax number: 939-3719

Alternate Technical Coordinator:

Dave Baur
Code 535100D
Telephone: 939-0292
Fax number: 939-0279

4.7 Delivery Schedule: Work shall commence upon award of this task order. The delivery schedule will be based upon the most current Alaska ACTS Ranges Expansion IPB.

Alaska ACTS Upgrades and Substainment MS Project Integrated Project Baseline (IPB)

Applicable Document 2.3 **(Plan as of 01 Apr 05)**

2 May 05 thru 12 May 07

SOW Para #	Activity ID	ACTIVITY TITLE	START	FINISH	GOVT HRS ESTIMATE	Quantity	GOVT ESTIMATE	
3.1	1.0	**Alaska CCS PC Sustainment**						
3.9.1	1.1	Requirements Management	02-May-05	12-May-07	910			
3.9.2	1.2	Project Mg't & Execution	02-May-05	12-May-07	1,820			
3.9.3	1.3	Configuration Management	02-May-05	12-May-07	228			
3.9.4	1.4	System Engineering	02-May-05	12-May-07	910			
3.9.5	1.5	QA	02-May-05	12-May-07	228			
3.9.6	1.6	Documentation	02-May-05	12-May-07	228			
	1.7	Travel (1 person, 1 wk)	02-May-05	12-May-07		6		This is 3 trips with 2 people for 1 wk each trip
	1.8	Material	02-May-05	12-May-07			$ 15,000.00	
		SUBTOTAL			4,324			
3.2	2.0	**Alaska RADS Sustainment**						
3.9.1	2.1	Requirements Management	02-May-05	12-May-07	455			
3.9.2	2.2	Project Mg't & Execution	02-May-05	12-May-07	1,820			
3.9.3	2.3	Configuration Management	02-May-05	12-May-07	228			
3.9.4	2.4	System Engineering	02-May-05	12-May-07	455			
3.9.5	2.5	QA	02-May-05	12-May-07	228			
3.9.6	2.6	Documentation	02-May-05	12-May-07	455			
	2.7	Travel (1 person, 1 wk)	02-May-05	12-May-07		4		This is 2 trips with 2 people for 1 wk each trip
	2.8	Material	02-May-05	12-May-07			$ 15,000.00	
		SUBTOTAL			3,641			
3.3	3.0	**Advanced System Operation Console (ASOC) Sustainment**						
3.9.1	3.1	Requirements Management	02-May-05	12-May-07	455			
3.9.2	3.2	Project Mg't & Execution	02-May-05	12-May-07	1,820			
3.9.3	3.3	Configuration Management	02-May-05	12-May-07	228			
3.9.4	3.4	System Engineering	02-May-05	12-May-07	455			
3.9.5	3.5	QA	02-May-05	12-May-07	228			
3.9.6	3.6	Documentation	02-May-05	12-May-07	455			
	3.7	Travel (1 person, 1 wk)	02-May-05	12-May-07		4		This is 2 trips with 2 people for 1 wk each trip
	3.8	Material	02-May-05	12-May-07			$ 15,000.00	
		SUBTOTAL			3,641			
3.4	4.0	**Alaska TENA Applications**						
3.9.1	4.1	Requirements Management	02-May-05	12-May-07	910			
3.9.2	4.2	Project Mg't & Execution	02-May-05	12-May-07	5,460			
3.9.3	4.3	Configuration Management	02-May-05	12-May-07	910			
3.9.4	4.4	System Engineering	02-May-05	12-May-07	910			
3.9.5	4.5	QA	02-May-05	12-May-07	455			
3.9.6	4.6	Documentation	02-May-05	12-May-07	910			
	4.7	Travel (1 person, 1 wk)	02-May-05	12-May-07		24		This is 8 trips with 3 people for 1 wk each trip
	4.8	Material	02-May-05	12-May-07			$ 50,000.00	
		SUBTOTAL			9,555			

Alaska ACTS Upgrades and Substainment MS Project Integrated Project Baseline (IPB)

Applicable Document 2.3 **(Plan as of 01 Apr 05)**

2 May 05 thru 12 May 07

SOW Para #	Activity ID	ACTIVITY TITLE	START	FINISH	GOVT HRS ESTIMATE	Quantity	GOVT ESTIMATE	
3.5	5.0	**Alaska DIS and HLA Applications**						
3.9.1	5.1	Requirements Management	02-May-05	12-May-07	910			
3.9.2	5.2	Project Mg't & Execution	02-May-05	12-May-07	3,640			
3.9.3	5.3	Configuration Management	02-May-05	12-May-07	455			
3.9.4	5.4	System Engineering	02-May-05	12-May-07	910			
3.9.5	5.5	QA	02-May-05	12-May-07	228			
3.9.6	5.6	Documentation	02-May-05	12-May-07	455			
	5.7	Travel (1 person, 1 wk)	02-May-05	12-May-07		12		This is 4 trips with 3 people for 1 wk each trip
	5.8	Material	02-May-05	12-May-07			$ 15,000.00	
		SUBTOTAL			6,598			
3.6	6.0	**Alaska EW Server & EW MUX**						
3.9.1	6.1	Requirements Management	02-May-05	12-May-07	910			
3.9.2	6.2	Project Mg't & Execution	02-May-05	12-May-07	5,460			
3.9.3	6.3	Configuration Management	02-May-05	12-May-07	455			
3.9.4	6.4	System Engineering	02-May-05	12-May-07	1,213			
3.9.5	6.5	QA	02-May-05	12-May-07	228			
3.9.6	6.6	Documentation	02-May-05	12-May-07	455			
	6.7	Travel (1 person, 1 wk)	02-May-05	12-May-07		8		This is 4 trips with 2 people for 1 wk each trip
	6.8	Material	02-May-05	12-May-07			$ 75,000.00	
		SUBTOTAL			8,721			
3.7	7.0	**ACTS/TACTS Weapon Simulations**						
3.9.1	7.1	Requirements Management	02-May-05	12-May-07	455			
3.9.2	7.2	Project Mg't & Execution	02-May-05	12-May-07	2,730			
3.9.3	7.3	Configuration Management	02-May-05	12-May-07	228			
3.9.4	7.4	System Engineering	02-May-05	12-May-07	1,820			
3.9.5	7.5	QA	02-May-05	12-May-07	228			
3.9.6	7.6	Documentation	02-May-05	12-May-07	455			
	7.7	Travel (1 person, 1 wk)	02-May-05	12-May-07		4		This is 2 trips with 2 people for 1 wk each trip
	7.8	Material	02-May-05	12-May-07			$ -	
		SUBTOTAL			5,916			
3.8	8.0	**Alaska ACTS Range Expansion**						
3.9.1	8.1	Requirements Management	02-May-05	12-May-07	910			
3.9.2	8.2	Project Mg't & Execution	02-May-05	12-May-07	5,460			
3.9.3	8.3	Configuration Management	02-May-05	12-May-07	910			
3.9.4	8.4	System Engineering	02-May-05	12-May-07	910			
3.9.5	8.5	QA	02-May-05	12-May-07	910			
3.9.6	8.6	Documentation	02-May-05	12-May-07	910			
	8.7	Travel (1 person, 1 wk)	02-May-05	12-May-07		30		This is 10 trips with 3 people for 1 wk each trip
	8.8	Material	02-May-05	12-May-07			$ 3,300,000.00	
		SUBTOTAL			10,010			

Alaska ACTS Upgrades and Substainment MS Project Integrated Project Baseline (IPB)

Applicable Document 2.3 **(Plan as of 01 Apr 05)**

2 May 05 thru 12 May 07

SOW Para #	Activity ID	ACTIVITY TITLE	START	FINISH	GOVT HRS ESTIMATE	Quantity	GOVT ESTIMATE
3.1	9.0	**2.X Release of Alaska Baseline (1st Update - 6 months from final delivery of baseline)**					
3.9.1	9.1	Requirements Management	02-May-05	30-Nov-05	160		
3.9.2	9.2	Project Mg't & Execution	02-May-05	30-Nov-05	960		
3.9.3	9.3	Configuration Management	02-May-05	30-Nov-05	160		
3.9.4	9.4	System Engineering	02-May-05	30-Nov-05	160		
3.9.5	9.5	QA	02-May-05	30-Nov-05	40		
3.9.6	9.6	Documentation	02-May-05	30-Nov-05	160		
	9.7	Travel (1 person, 1 wk)	02-May-05	30-Nov-05		1	
	9.8	Material	02-May-05	30-Nov-05			$ 10,000.00
		SUBTOTAL			1,640		
3.1	10.0	**3.X Release of Alaska Baseline (2st Update - 6 months from last update)**					
3.9.1	10.1	Requirements Management	01-Dec-05	30-May-06	160		
3.9.2	10.2	Project Mg't & Execution	01-Dec-05	30-May-06	960		
3.9.3	10.3	Configuration Management	01-Dec-05	30-May-06	160		
3.9.4	10.4	System Engineering	01-Dec-05	30-May-06	160		
3.9.5	10.5	QA	01-Dec-05	30-May-06	40		
3.9.6	10.6	Documentation	01-Dec-05	30-May-06	160		
	10.7	Travel (1 person, 1 wk)	01-Dec-05	30-May-06		1	
	10.8	Material	01-Dec-05	30-May-06			$ 5,000.00
		SUBTOTAL			1,640		
3.1	11.0	**4.X Release of Alaska Baseline (3rd Update - 6 months from last update)**					
3.9.1	11.1	Requirements Management	01-Jun-06	30-Nov-06	160		
3.9.2	11.2	Project Mg't & Execution	01-Jun-06	30-Nov-06	960		
3.9.3	11.3	Configuration Management	01-Jun-06	30-Nov-06	160		
3.9.4	11.4	System Engineering	01-Jun-06	30-Nov-06	160		
3.9.5	11.5	QA	01-Jun-06	30-Nov-06	40		
3.9.6	11.6	Documentation	01-Jun-06	30-Nov-06	160		
	11.7	Travel (1 person, 1 wk)	01-Jun-06	30-Nov-06		1	
	11.8	Material	01-Jun-06	30-Nov-06			$ 5,000.00
		SUBTOTAL			1,640		
3.1	12.0	**5.X Release of Alaska Baseline (4th Update - 6 months from last update)**					
3.9.1	12.1	Requirements Management	01-Dec-06	12-May-07	160		
3.9.2	12.2	Project Mg't & Execution	01-Dec-06	12-May-07	960		
3.9.3	12.3	Configuration Management	01-Dec-06	12-May-07	160		
3.9.4	12.4	System Engineering	01-Dec-06	12-May-07	160		
3.9.5	12.5	QA	01-Dec-06	12-May-07	40		
3.9.6	12.6	Documentation	01-Dec-06	12-May-07	160		
	12.7	Travel (1 person, 1 wk)	01-Dec-06	12-May-07		1	
	12.8	Material	01-Dec-06	12-May-07			$ 5,000.00
		SUBTOTAL			1,640		
3.10	13.0	**PROGRAM MANAGEMENT Including Financial Management**					
			02-May-05	12-May-07	1,365		
		Travel (1 person, 1 wk)				8	
		TOTAL			**60,331**	**104**	**$ 3,510,000.00**

LEVEL OF EFFORT
FOR
COMBAT ENVIRONMENT SIMULATION - TARIF
Alaskan Ranges
CES CONTRACT N68936-04-D-0019
CES ORDER 0003

START April 15, 2005
END MAY 12, 2007

COMBAT ENVIRONMENT SIMULATION
LEVEL OF EFFORT

CONTRACT LABOR CATEGORY	GOVT CSS LABOR CATEGORY	CONTRACTOR EQUIVALENT	YEAR ONE (BASE) HRS	YEAR ONE (BASE) LABOR COSTS	YEAR TWO (BASE) HRS	YEAR TWO (BASE) LABOR COSTS	YEAR THREE (BASE) HRS	YEAR THREE (BASE) LABOR COSTS	BASE PERIOD LABOR COSTS
PROJECT MANAGER	PROJECT MANAGER		220	$ -	797	$ -	348	$ -	1,365
SENIOR EW ENGINEER			-	$ -	-	$ -	-	$ -	-
SENIOR TACTS/ACMI ENGINEER	SENIOR EGINEER		910	$ -	910	$ -	-	$ -	1,820
TACTS/ACMI ENGINEER	SENIOR EGINEER		1,365	$ -	2,669	$ -	546	$ -	4,580
SENIOR FINANCIAL ANALYST			-	$ -	-	$ -	-	$ -	-
CONTRACT MANAGEMENT SPECIALIST			-	$ -	-	$ -	-	$ -	-
GPS SYSTEM ANALYST/PROJECT MANAGER			-	$ -	-	$ -	-	$ -	-
SYSTEM ENGINEER			2,620	$ -	3,506	$ -	2,097	$ -	8,223
COMPUTER SYSTEMS ENGINEER			-	$ -	-	$ -	-	$ -	-
SENIOR ELECTRONIC ENGINEER			-	$ -	-	$ -	-	$ -	-
EW THREAT SYSTEMS ENGINEER	SENIOR EGINEER		1,290	$ -	3,479	$ -	1,880	$ -	6,649
SENIOR SOFTWARE ENGINEER			7,081	$ -	12,763	$ -	6,841	$ -	26,685
DIGITAL DATA COMMUNICATIONS ENGINEER			-	$ -	-	$ -	-	$ -	-
TRANSMITTER ENGINEER			-	$ -	-	$ -	-	$ -	-
DIGITAL SIGNAL PROCESSING ENGR			-	$ -	-	$ -	-	$ -	-
MECHANICAL ENGINEER			-	$ -	-	$ -	-	$ -	-
CONTROL SYSTEMS ENGINEER			-	$ -	-	$ -	-	$ -	-
SOFTWARE ENGR/SYSTEMS ANALYST			1,242	$ -	1,851	$ -	557	$ -	3,650
TEST ENGINEER			-	$ -	-	$ -	-	$ -	-
COMPUTER PROGRAMMER			-	$ -	-	$ -	-	$ -	-
ILS SPECIALIST			-	$ -	-	$ -	-	$ -	-
TECHNICAL WRITER			-	$ -	-	$ -	-	$ -	-
CONFIGURATION DATA MGR			1,065	$ -	2,011	$ -	978	$ -	4,054
DATA MANAGEMENT SPECIALIST			-	$ -	-	$ -	-	$ -	-
DRAFTSMAN			-	$ -	-	$ -	-	$ -	-
ELECTRONICS TECHNICIAN			-	$ -	-	$ -	-	$ -	-
FIELD ENGR/TECHNICIAN	ENGINEERING ELEC TECH		468	$ -	519	$ -	400	$ -	1,387
SECRETARY/CLERICAL			-	$ -	-	$ -	-	$ -	-
INSTURMENTATION/ELEC ENGR			-	$ -	-	$ -	-	$ -	-
ELECTRONICS TECH TROUBLESHOOTER			554	$ -	583	$ -	233	$ -	1,370
FINANICAL ANALYST	FINANCIAL ANALYST		131	$ -	268	$ -	149	$ -	548
TOTAL HOURS			16948		29356		14029		60331
KEY PERSONNEL				$ -		$ -		$ -	
TRAVEL (Per IPB)				$ 60,000.00		$ 150,000.00		$ 50,000.00	$ 260,000.00
MATERIAL (SEE IPB)				$ 3,400,000.00		$ 55,000.00		$ 55,000.00	$ 3,510,000.00
SUBCONTRACTS				$ -		$ -		$ -	$ -
TOTAL TRAVEL & MATERIAL COSTS				$ 3,460,000.00		$ 205,000.00		$ 105,000.00	$ 3,770,000.00

ESCALATION = 3%

START April 15, 2005

GOVERNMENT LABOR CATEGORY	CONTRACTOR EQUIVALENT	YEAR ONE HRS	YEAR ONE LABOR COSTS
PROJECT MANAGER		220	$0
SENIOR EW ENGINEER		-	$0
SENIOR TACTS/ACMI ENGINEER		910	$0
TACTS/ACMI ENGINEER		1,365	$0
SENIOR FINANCIAL ANALYST		-	$0
CONTRACT MANAGEMENT SPECIALIST		-	$0
GPS SYSTEM ANALYST/PROJECT MANAGER		-	$0
SYSTEM ENGINEER		2,620	$0
COMPUTER SYSTEMS ENGINEER		-	$0
SENIOR ELECTRONIC ENGINEER		-	$0
EW THREAT SYSTEMS ENGINEER		1,290	$0
SENIOR SOFTWARE ENGINEER		7,081	$0
DIGITAL DATA COMMUNICATIONS ENGINEER		-	$0
TRANSMITTER ENGINEER		-	$0
DIGITAL SIGNAL PROCESSING ENGR		-	$0
MECHANICAL ENGINEER		-	$0
CONTROL SYSTEMS ENGINEER		-	$0
SOFTWARE ENGR/SYSTEMS ANALYST		1,242	$0
TEST ENGINEER		-	$0
COMPUTER PROGRAMMER		-	$0
ILS SPECIALIST		-	$0
TECHNICAL WRITER		-	$0
CONFIGURATION DATA MGR		1,065	$0
DATA MANAGEMENT SPECIALIST		-	$0
DRAFTSMAN		-	$0
ELECTRONICS TECHNICIAN		-	$0
FIELD ENGR/TECHNICIAN		468	$0
SECRETARY/CLERICAL		-	$0
INSTURMENTATION/ELEC ENGR		-	$0
ELECTRONICS TECH TROUBLESHOOTER		554	$0
FINANICAL ANALYST		131	$0
TOTAL HOURS		16946	
KEY PERSONNEL			$ -
TRAVEL (Per IPB)			$ 60,000.00
MATERIAL (SEE IPB)			$ 3,400,000.00
SUBCONTRACTS			
TOTAL COSTS: ($K)			$3,460,000.00

INFLATION = 3%

START April 15, 2005

LABOR CATEGORY	CONTRACTOR EQUIVALENT	HRS	YEAR TWO LABOR COSTS
PROJECT MANAGER		797	$0
SENIOR EW ENGINEER		-	$0
SENIOR TACTS/ACMI ENGINEER		910	$0
TACTS/ACMI ENGINEER		2,669	$0
SENIOR FINANCIAL ANALYST		-	$0
CONTRACT MANAGEMENT SPECIALIST		-	$0
GPS SYSTEM ANALYST/PROJECT MANAGER		-	$0
SYSTEM ENGINEER		3,506	$0
COMPUTER SYSTEMS ENGINEER		-	$0
SENIOR ELECTRONIC ENGINEER		-	$0
EW THREAT SYSTEMS ENGINEER		3,479	$0
SENIOR SOFTWARE ENGINEER		12,763	$0
DIGITAL DATA COMMUNICATIONS ENGINEER		-	$0
TRANSMITTER ENGINEER		-	$0
DIGITAL SIGNAL PROCESSING ENGR		-	$0
MECHANICAL ENGINEER		-	$0
CONTROL SYSTEMS ENGINEER		-	$0
SOFTWARE ENGR/SYSTEMS ANALYST		1,851	$0
TEST ENGINEER		-	$0
COMPUTER PROGRAMMER		-	$0
ILS SPECIALIST		-	$0
TECHNICAL WRITER		-	$0
CONFIGURATION DATA MGR		2,011	$0
DATA MANAGEMENT SPECIALIST		-	$0
DRAFTSMAN		-	$0
ELECTRONICS TECHNICIAN		-	$0
FIELD ENGR/TECHNICIAN		519	$0
SECRETARY/CLERICAL		-	$0
INSTURMENTATION/ELEC ENGR		-	$0
ELECTRONICS TECH TROUBLESHOOTER		583	$0
FINANICAL ANALYST		268	$0
TOTAL HOURS		29356	
KEY PERSONNEL			$ -
TRAVEL			$ 150,000.00
MATERIAL (SEE IPB)			$ 55,000.00
SUBCONTRACTS			
TOTAL COSTS: ($K)			$205,000.00

INFLATION = 3%

START April 15, 2005

LABOR CATEGORY	CONTRACTOR EQUIVALENT	HRS	YEAR THREE LABOR COSTS
PROJECT MANAGER		348	$0
SENIOR EW ENGINEER		-	$0
SENIOR TACTS/ACMI ENGINEER		-	$0
TACTS/ACMI ENGINEER		546	$0
SENIOR FINANCIAL ANALYST		-	$0
CONTRACT MANAGEMENT SPECIALIST		-	$0
GPS SYSTEM ANALYST/PROJECT MANAGER		-	$0
SYSTEM ENGINEER		2,097	$0
COMPUTER SYSTEMS ENGINEER		-	$0
SENIOR ELECTRONIC ENGINEER		-	$0
EW THREAT SYSTEMS ENGINEER		1,880	$0
SENIOR SOFTWARE ENGINEER		6,841	$0
DIGITAL DATA COMMUNICATIONS ENGINEER		-	$0
TRANSMITTER ENGINEER		-	$0
DIGITAL SIGNAL PROCESSING ENGR		-	$0
MECHANICAL ENGINEER		-	$0
CONTROL SYSTEMS ENGINEER		-	$0
SOFTWARE ENGR/SYSTEMS ANALYST		557	$0
TEST ENGINEER		-	$0
COMPUTER PROGRAMMER		-	$0
ILS SPECIALIST		-	$0
TECHNICAL WRITER		-	$0
CONFIGURATION DATA MGR		978	$0
DATA MANAGEMENT SPECIALIST		-	$0
DRAFTSMAN		-	$0
ELECTRONICS TECHNICIAN		-	$0
FIELD ENGR/TECHNICIAN		400	$0
SECRETARY/CLERICAL		-	$0
INSTURMENTATION/ELEC ENGR		-	$0
ELECTRONICS TECH TROUBLESHOOTER		233	$0
FINANICAL ANALYST		149	$0
TOTAL HOURS		14029	
KEY PERSONNEL			$ -
TRAVEL (Per IPB)			$ 50,000.00
MATERIAL (SEE IPB)			$ 55,000.00
SUBCONTRACTS			
TOTAL COSTS: ($K)			

INFLATION = 3%

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA. 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP TM OTHER:

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
TARIF	N68936-04-D-0019,0020,0022	Tybrin, Lockheed Martin, L3

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A001	**Program Progress Report**	**Monthly Status Report**

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-80555	**SOW Para 4.5**	**NAWCWD 539510D**

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	N/A	MTHLY	35 DARO
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
N/A		0	EOM+ 10 DAYS

Block 4: Tailor DID as follows: Contractor format authorized provided that the DID is used as a guideline.

Block 14: Submission of this report by electronic mail is preferable. Garon.Harris@navy.mil and Rosemarie.Vorwerk@navy.mil.

Submit on magnetic media, format to be agreed upon between the Government and the Contractor prior to submittal of this data item.

/

14. DISTRIBUTION			
a. ADDRESSEE	b. COPIES		
	Draft	Final	
		Reg	Repro
NAWC: 539510D	**0**	**1**	**0**
NAWC: 2542000D	**0**	**1**	**0**
NAWC: 535D00D	**0**	**1**	**0**
15. TOTAL →	**0**	**3**	**0**

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Naval Air Warfare Center Weapons Division China Lake, CA 93555	03/09/05	*Rosemarie D. Vorwerk*	**03/09/05**

DD Form 1423-1, 1 Jun 9090

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 10

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO.	2. DELIVERY ORDER/ CALL NO.	3. DATE OF ORDER/CALL (YYYYMMMDD)	4. REQ./ PURCH. REQUEST NO.	5. PRIORITY
N68936-04-D-0019	0004	2005 Jun 24	See Schedule	

6. ISSUED BY CODE N68936
CDR NAWCWD CODE 220000D
ATTN: B. MONCKTON
(760) 939-8234
429 E BOWEN RD - STOP 4015
CHINA LAKE CA 93555-6108

7. ADMINISTERED BY *(if other than 6)* CODE S0101A
DCMA BIRMINGHAM
1910 THIRD AVENUE NORTH
SUITE 201
BIRMINGHAM AL 35203-3514

8. DELIVERY FOB
[X] DESTINATION
[ ] OTHER
(See Schedule if other)

9. CONTRACTOR CODE 1H996 FACILITY
NAME AND ADDRESS
TYBRIN CORPORATION
JOE JAMES
1030 TITAN COURT
FORT WALTON BEACH FL 32547

10. DELIVER TO FOB POINT BY (Date) *(YYYYMMMDD)*
SEE SCHEDULE

11. MARK IF BUSINESS IS
[ ] SMALL
[ ] SMALL DISADVANTAGED
[ ] WOMEN-OWNED

12. DISCOUNT TERMS

13. MAIL INVOICES TO THE ADDRESS IN BLOCK
See Item 15

14. SHIP TO CODE
SEE SCHEDULE

15. PAYMENT WILL BE MADE BY CODE HQ0338
DFAS - COLUMBUS CENTER
SOUTH ENTITLEMENT OPERATIONS
PO BOX 182264
COLUMBUS OH 43218-2264

MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.

16. TYPE OF ORDER			
	DELIVERY/ CALL	X	This delivery order/call is issued on another Government 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 (YYYYMMMDD)

[X] If this box is marked, supplier must sign Acceptance and return the following number of copies: 1

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
TEL: (760) 939-6043
EMAIL: mary.jacobs@navy.mil
BY: MARY K. JACOBS
CONTRACTING / ORDERING OFFICER

25. TOTAL $9,707,796.00
26. DIFFERENCES

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

b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE | c. DATE (YYYYMMMDD) | d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE

e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE

f. TELEPHONE NUMBER | g. E-MAIL ADDRESS

36. I certify this account is correct and proper for payment.
a. DATE (YYYYMMMDD) | b. SIGNATURE AND TITLE OF CERTIFYING OFFICER

28. SHIP NO. | 29. DO VOUCHER NO. | 30. INITIALS

[ ] PARTIAL [ ] FINAL

31. PAYMENT
[ ] COMPLETE [ ] PARTIAL [ ] FINAL

32. PAID BY

33. AMOUNT VERIFIED CORRECT FOR

34. CHECK NUMBER

35. BILL OF LADING NO.

37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMMDD)	40. TOTAL CONTAINERS	41. S/R ACCOUNT NO.	42. S/R VOUCHER NO.

DD Form 1155, DEC 2001 PREVIOUS EDITION IS OBSOLETE.

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0001		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

COMBAT ENVIRONMENT SIMULATION - BASE PERIOD

CPAF

Threat Radar Simulation Subsystems (TRSS), in accordance with Statement of Objectives (SOO) and Integrated Program Plan.

FOB: Destination

PURCHASE REQUEST NUMBER: 0010134210

MAX COST	$9,299,208.00
BASE FEE	$141,159.00
SUBTOTAL MAX COST + BASE	$9,440,367.00
MAX AWARD FEE	$267,429.00
TOTAL MAX COST + FEE	$9,707,796.00

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000101		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY

CPAF

Tunable DPT-1 J-Magnetron. In accordance with Product Line 3.1 of Statement of Objectives and IPP. NAVAIR.

FOB: Destination

PURCHASE REQUEST NUMBER: 0010133922

ACRN AA $40,000.00
CIN: 001013392200001

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000102		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY

CPAF

Tunable DPT-2B H-Magnetron. In accordance Product Line 3.1 with Statement of Objectives and IPP. NAVAIR.

FOB: Destination

PURCHASE REQUEST NUMBER: 0010133922

ACRN AA $40,000.00
CIN: 001013392200002

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000103		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY

CPAF

AOB Installation Kit. In accordance with Product Line 3.4 of Statement of Objectives and IPP. NAVAIR.

FOB: Destination

PURCHASE REQUEST NUMBER: 0010133922

ACRN AA $1,500,000.00
CIN: 001013392200003

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0002		UNDEFINED			NSP

DATA REQUIREMENTS

CPAF

In accordance with Exhibit A Contract Data Requirements List.

NSP - Not Separately Priced.

FOB: Destination

B-NOTE

BASE FEE AND AWARD FEE FOR LEVEL-OF-EFFORT ORDER

In accordance with the basic contract, base fee shall for work performed under this order is

CLIN	Base Fee Amount	Level of Effort/Hours	Base Fee Hourly Rate
0001	$141,159.00	55,140	**$2.56**

provided that the maximum number of direct labor hours are expended.

The nature of the work under this task order is **NONSEVERABLE**. As such, milestones defining specific outcomes cannot be defined in terms of quantity and schedule with any certainty. Funding will be obtained from a variety of sources as work is required. Therefore, the award fee pool available in any given evaluation period will be associated with the level-of-effort/hours expended during that period.

The first award fee period will be from date of award through Sep 30, 2005. Thereafter, award fee will be paid on a biannual (six month) basis (October thru March, April thru September). In addition to the base fee set forth herein, the contractor may earn and be paid all or a portion of an award fee not to exceed **$267,429.00** provided that approximately 55,140 direct labor hours are expended by the contractor. The maximum available award fee pool for any award fee period will be computed at the maximum rate of **$4.85** per direct hour invoiced by the contractor under the task order for the related award fee period. If less than 100% of the direct labor hours for the tasks are expended the fee shall be equitably reduced to reflect the reduction in work.

The Contractor is to set aside an award fee amount from each funding SLIN based on the level of effort/hours for the associated task.

NOTE:
This order is placed against CLIN 0001 of the Basic Contract.

In accordance with 52.244-2(e) SUBCONTRACTS of the basic contract, the Contracting Officer's written consent is required for subcontracts valued at $10,000 or greater for this order. This consent is in effect until Dec 14, 2005 unless revised by modification.

Section C - Descriptions and Specifications

CLAUSES INCORPORATED BY FULL TEXT

C.36 CONFIGURATION CONTROL PROCEDURES FOR ENGINEERING CHANGES, DEVIATIONS AND WAIVERS - MIL-STD-973

(a) Any Engineering Change Proposal (ECP) or any Request for a Deviation/Waiver affecting an item being acquired under this contract shall be in accordance with Sections 5.4.2 (ECP), 5.4.3 (Deviation), 5.4.4 (Waiver) or MIL-STD-973, Notice 3, dated 13 January 1995 . Quantities and distribution shall be as stated in DD Form 1423 (Contract Data Requirements List), or the ECP distribution list attached thereto.

(b) No Class I engineering change shall be implemented until authorized by the Contracting Officer (CO).

(c) Each Class II engineering change shall be submitted to the cognizant contract administration office (CAO) for concurrence in classification.

(d) No major or critical deviation or waiver shall be effective until authorized in writing by the CO.

(e) Minor deviations shall be authorized (or disapproved) by [Technical Coordinator, Code 539400E, NAWCWD, Point Mugu, CA].

(f) Minor waivers shall be processed by the local Material Review Board (MRB), when properly constituted, or in the absence of such MRB, shall be approved (or disapproved) by ACO.

(g) Notwithstanding paragraph 5.4.2.3.1.3 of MIL-STD-973, no Class I compatibility engineering change shall be implemented until authorized in writing by the PCO.

(h) Advance Change Study Notices (ACSNs) shall be in accordance with 5.4.2.3.3.1.2 of MIL-STD-973 when listed by attached CDRL DD Form 1423 to the contact.

(i) Any parts substitution affecting an item being acquired under this contract shall adhere to Section 5.4.5 of MIL-STD-973.

(j) Specification Change Notices (SCNs) and/or Notices of Revision (NORs) shall be in accordance with Sections 5.4.6 (SCNs) and 5.4.7 (NORs) of MIL-STD-973 when listed by attached CDRL DD Form 1423 to the contract.

C.37 CONFIGURATION CONTROL SHORT FORM PROCEDURES FOR ENGINEERING CHANGES, DEVIATIONS AND WAIVERS - MIL-STD-973

Any Engineering Change Proposal (ECP) or any Request for a Deviation/Waiver affecting an item being acquired under this contract shall be in accordance with Section 5.4.8 of MIL-STD-973. Quantities and distribution shall be as stated on DD Form 1423 (Contract Data Requirements List) or the ECP distribution list attached thereto.

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	Destination	Government	Destination	Government
000101	Destination	Government	Destination	Government
000102	Destination	Government	Destination	Government
000103	Destination	Government	Destination	Government
0002	N/A	N/A	N/A	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001	POP 24-JUN-2005 TO 23-JUN-2008	N/A	RECEIVING OFFICER GOVERNMENT REPRESENTATIVE NBVC, RECEIVING OFFICER CODE LG330/BLDG 65 311 MAIN ROAD, SUITE 1 POINT MUGU CA 93042-5033 FOB: Destination	N69232
000101	N/A	N/A	N/A	N/A
000102	N/A	N/A	N/A	N/A
000103	N/A	N/A	N/A	N/A
0002	POP 24-JUN-2005 TO 23-JUL-2008	N/A	N/A FOB: Destination	

CLAUSES INCORPORATED BY FULL TEXT

F-TXT-08 SHIPPING INSTRUCTIONS (POINT MUGU) (MAR 2003)

SHIP TO: NAVAL BASE VENTURA COUNTY (NBVC)
Receiving Officer, Code N41VW/BLDG 65
Contract: N68936-04-D-0019 / Order 0004
Point Mugu, CA 93042-5033
Attn: ATS Receiving Deck, Code 539400E, Bldg. 3009, Room 120. Phone (805) 989-9267
Nomenclature: TRSS

Failure to mark each shipping label and packing list as indicated above may result in return of shipment at your expense, or will cause a delay in processing your invoice for payment.

RECEIVING DOCK HOURS are from 0800 TO 1530, MONDAY THROUGH THURSDAY EXCLUDING HOLIDAYS WHEN THE RECEIVING DOCK WILL BE CLOSED.

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 1751507 J2EM 312 00019 0 050119 2D 000000
COST CODE: PMA208B42540
AMOUNT: $1,580,000.00
CIN 001013392200001: $40,000.00
CIN 001013392200002: $40,000.00
CIN 001013392200003: $1,500,000.00

Section H - Special Contract Requirements

CLAUSES INCORPORATED BY FULL TEXT

5252.243-9505 ENGINEERING CHANGES (NAVAIR) (JUN 1998)

(a) After contract award, the Government may solicit, and the contractor is encouraged to propose independently, engineering changes to the equipment, software specifications or other requirements of this contract. These changes may be proposed for reasons of economy, improved performance, or to resolve increased data processing requirements. However, proposed changes relating to improved performance necessary to meet increased data processing requirements of the user shall not exceed the contract requirements by more than 25%. If the proposed changes are acceptable to both parties, the contractor shall submit a price change proposal to the Government for evaluation. Those proposed engineering changes that are acceptable to the Government will be processed as modifications to the contract.

(b) This applies only to those proposed changes identified by the contractor, as a proposal submitted pursuant to the provisions of this clause. As a minimum, the following information shall be submitted by the contractor with each proposal:

(1) A description of the difference between the existing contract requirement and the proposed change, and the comparative advantages and disadvantages of each.

(2) Itemized requirements of the contract which must be changed if the proposal is adopted, and the proposed revision to the contract for each such change.

(3) An estimate of the changes in performance costs, if any, that will result from adoption of the proposal.

(4) An evaluation of the effects the proposed change would have on collateral costs to the Government such as Government-furnished property costs, costs of related items, and costs of maintenance and operation.

(5) A statement of the time by which the change order adopting the proposal must be issued so as to obtain the maximum benefits of the changes during the remainder of this contract. Also, any effect on the contract completion time or delivery schedule shall be identified.

(c) Engineering change proposals submitted to the Contracting Officer shall be processed expeditiously. The Government shall not be liable for proposal preparation costs or any delay in acting upon any proposal submitted pursuant to this clause. The contractor has the right to withdraw, in whole or in part, any engineering change proposal not accepted by the Government within the period specified in the engineering change proposal. The decision of the Contracting Officer as to the acceptance of any such proposal under this contract shall be final and shall not be subject to the "Disputes" clause of the contract.

(d) The Contracting Officer may accept any engineering change proposal submitted pursuant to this clause by giving the contractor written notice thereof. This written notice may be given by issuance of a modification to this contract. Unless and until a modification is executed to incorporate an engineering change proposal under this contract, the contractor shall remain obligated to perform in accordance with the terms of the existing contract.

(e) If an engineering change proposal pursuant to this clause is accepted and applied to this contract, an equitable adjustment in the contract price and in any other affected provisions of this contract shall be made in accordance with this clause and other applicable clauses of this contract. When the cost of performance of this contract is increased or decreased as a result of the change, the equitable adjustment increasing or decreasing the contract price shall be in accordance with the "Changes" clause rather than under this clause, but the resulting contract modification shall state that it is made pursuant to this clause.

(f) The contractor is requested to identify specifically any information contained in its engineering change proposal which it considers confidential and/or proprietary and which it prefers not to be disclosed to the public. The identification of information as confidential and/or proprietary is for information purposes only and shall not be binding on the Government to prevent disclosure of such information. Offerors are advised that such information may be subject to release upon request pursuant to the Freedom of Information Act (5 U.S.C. 552).

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	Statement of Objectives	6	18-JAN-2005
Attachment 2	Integrated Program Plan	47	09-JUN-2005
Attachment 3	Integrated Project Baseline (IPB)	15	09-JUN-2005
Exhibit A	Contract Data Requirements List	4	20-JUN-2005

THREAT RADAR SIMULATORS SUBSYSTEM SUPPORT
STATEMENT OF OBJECTIVE (SOO)
N68936-04-D-0019

1.0 BACKGROUND:

The Airborne Threat Simulation Team (ATST) is responsible for the entire life-cycle management of numerous RF threat simulations ranging from electronic attack (EA) systems to emitter (radar) simulations. Customers range from Navy, Air Force and Army, to foreign governments and private-party Department of Defense (DOD) contractors. As the DOD Project Reliance service lead for airborne emitters, the ATST provides emitter and EA systems and lifecycle support to virtually all DOD target systems. In addition, the ATST provides Fleet (Air Force and Navy) with various airborne and ground based systems for training at various levels. Fed by a close working relationship with the DOD's major intelligence offices (i.e. National Air Intelligence Center, Office of Naval Intelligence, the CIA and others) the ATST develops a flexible and robust line of products that not only keeps-up with the threat but is able to project, or lead, out-year developments in order to provide the warfighter with simulations of 'historic', new and emerging threat systems.

1.1 SCOPE

The Contractor shall deliver various subsystems for Electronic Countermeasures and Threat Radar Simulators used in aerial targets and carried onboard manned aircraft in the AN/ALQ-167, DLQ-9, AST-6 and AST-9 pods.

In addition, on a case-by-case basis, tasking may include unit repair or redesign due to system obsolescence. This will require that the contractor receive authorization from the government prior to proceeding with any repairs or upgrades.

In circumstances of unit repair, the contractor will be tasked to repair units at the government's discretion. The contractor shall provide the government a cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with unit repair. The government will evaluate the proposal and provide the contractor authorization to proceed with unit repairs.

In circumstances due to system obsolescence, the contractor will be tasked to perform a system obsolescence review. Once a review is complete, the contractor will provide the government an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and provide the contractor authorization to proceed with a design upgrade.

In addition the associated documentation of these subsystems shall be revised to reflect the as built configuration. Each subsystem provided by the Contractor shall be based on the Government's applicable performance specifications and/or current drawing package as defined in the Threat Radar Simulators (TRS) Subsystem Integrated Project Plan (IPP) Applicable Document 2.1. This effort shall be performed under the premises of ISO-9000.

2.0 APPLICABLE DOCUMENTS

2.1 Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP)

2.2 Most current Threat Radar Simulators (TRS) Subsystems Integrated Project Baseline (IPB)

3.0 REQUIREMENTS:

The Contractor shall perform the required tasks to deliver the following final Product Items in accordance with the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) and Threat Radar Simulators (TRS) Subsystems Integrated Project Baseline (IPB) Applicable Documents 2.1 and 2.2.

1) Amplifiers, Transmitters & Magnetrons
2) Antenna Systems
3) Bracketry, Cables & Enclosures
4) Decoys & Launchers
5) Electronic Assemblies
6) Pods
7) Radomes

In all cases, the most current IPB with associated responsibilities and work levels defined in the IPP and the IPP program specific appendix shall apply (see Applicable Document 2.1 and 2.2).

Tasking shall include existing subsystem fabrication and if updates to the design due to obsolesence are required documentation updates reflecting current designs/fabricated subsystems. In addition the tasking may include variant design; as well as the verification and validation of existing design documentation. This effort shall be performed under the premises of ISO-9000.

3.1 Amplifiers, Transmitters & Magnetrons: Product Item 3.1.

The contractor shall complete the requirements for the Amplifiers, Transmitters & Magnetrons effort and tasks in accordance with the Performance Specifications and/or the Technical Data Packages in addition to Military Standards, Other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

Specific work tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor may be required to provide engineering services as related to the end items produced under this effort. These engineering services shall include the identification of alternatives to obsolete items, the redesign of assemblies, modules, and systems again to deal with obsolescence and the repair of items produced under this effort. The Contractor shall identify any obsolescence issues and or repair requirements together with a mitigation plan. This plan shall detail the required labor, material and material burden necessary to implement the mitigation plan. The Government will evaluate the proposed plan for obsolesence mitigation or repair and may issue a specific task to implement the proposed plan.

3.2 Antenna Systems: Product Item 3.2

The contractor shall complete the requirements for the Antenna Systems effort and tasks in accordance with the Performance Specifications and/or the Technical Data Packages in addition to Military Standards, Other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

Specific work tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor may be required to provide engineering services as related to the end items produced under this effort. These engineering services shall include the identification of alternatives to obsolete items, the redesign of assemblies, modules, and systems again to deal with obsolescence and the repair of items produced under this effort. The Contractor shall identify any obsolescence issues and or repair requirements together with a mitigation plan. This plan shall detail the required labor, material and material burden necessary to implement the mitigation plan.

The Government will evaluate the proposed plan for obsolesence mitigation or repair and may issue a specific task to implement the proposed plan.

3.3 Bracketry, Cables & Enclosures: Product Item 3.3

The contractor shall complete the requirements for the Bracketry, Cables & Enclosures effort and tasks in accordance with the Performance Specifications and/or the Technical Data Packages in addition to Military Standards, Other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

Specific work tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor may be required to provide engineering services as related to the end items produced under this effort. These engineering services shall include the identification of alternatives to obsolete items, the redesign of assemblies, modules, and systems again to deal with obsolescence and the repair of items produced under this effort. The Contractor shall identify any obsolescence issues and or repair requirements together with a mitigation plan. This plan shall detail the required labor, material and material burden necessary to implement the mitigation plan. The Government will evaluate the proposed plan for obsolesence mitigation or repair and may issue a specific task to implement the proposed plan.

3.4 Decoys & Launchers, Product Item 3.4.

The contractor shall complete the requirements for Decoys & Launchers effort and tasks in accordance with the Performance Specifications and/or the Technical Data Packages in addition to Military Standards, Other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

Specific work tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor may be required to provide engineering services as related to the end items produced under this effort. These engineering services shall include the identification of alternatives to obsolete items, the redesign of assemblies, modules, and systems again to deal with obsolescence and the repair of items produced under this effort. The Contractor shall identify any obsolescence issues and or repair requirements together with a mitigation plan. This plan shall detail the required labor, material and material burden necessary to implement the mitigation plan. The Government will evaluate the proposed plan for obsolesence mitigation or repair and may issue a specific task to implement the proposed plan.

3.5 Electronic Assemblies, Product Item 3.5.

The contractor shall complete the requirements for Electronic Assemblies effort and tasks in accordance with the Performance Specifications and/or the Technical Data Packages in addition to Military Standards, Other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

Specific work tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor may be required to provide engineering services as related to the end items produced under this effort. These engineering services shall include the identification of alternatives to obsolete items, the redesign of assemblies, modules, and systems again to deal with obsolescence and the repair of items produced under this effort. The Contractor shall identify any obsolescence issues and or repair requirements together with a mitigation plan. This plan shall detail the required labor, material and material burden necessary to implement the mitigation plan.

The Government will evaluate the proposed plan for obsolesence mitigation or repair and may issue a specific task to implement the proposed plan.

3.6 Pods, Product Item 3.6.

The contractor shall complete the requirements for Pods effort and tasks in accordance with the Performance Specificationa and/or the Technical Data Packages in addition to Military Standards, Other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

Specific work tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor may be required to provide engineering services as related to the end items produced under this effort. These engineering services shall include the identification of alternatives to obsolete items, the redesign of assemblies, modules, and systems again to deal with obsolescence and the repair of items produced under this effort. The Contractor shall identify any obsolescence issues and or repair requirements together with a mitigation plan. This plan shall detail the required labor, material and material burden necessary to implement the mitigation plan. The Government will evaluate the proposed plan for obsolesence mitigation or repair and may issue a specific task to implement the proposed plan.

3.7 Radomes, Product Item 3.7.

The contractor shall complete the requirements for Radomes effort and tasks in accordance with the Performance Specificationa and/or the Technical Data Packages in addition to Military Standards, Other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

Specific work tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor may be required to provide engineering services as related to the end items produced under this effort. These engineering services shall include the identification of alternatives to obsolete items, the redesign of assemblies, modules, and systems again to deal with obsolescence and the repair of items produced under this effort. The Contractor shall identify any obsolescence issues and or repair requirements together with a mitigation plan. This plan shall detail the required labor, material and material burden necessary to implement the mitigation plan. The Government will evaluate the proposed plan for obsolesence mitigation or repair and may issue a specific task to implement the proposed plan.

4.0 OTHER Considerations

4.1 Government Furnished Items

All government furnished items will be returned to the government within 60 days of the completion of this order. The contractor will notify the Contracting Officer in writing for authorization deviating from the return of all government furnished information, equipment or materials.

4.1.1 Drawings:

The drawings listed in this SOW will be provided as Government Furnished Data (GFD) to the Contractor for the subsystems referenced in this SOW. The Contractor shall identify any additional required data during the course of work. The Contractor shall identify documentation that is maintained at the Contractor's facility.

4.1.2 Individual Test Equipment:

To reduce overall program costs the following specialized test equipment may be furnished on an as-required basis as GFE to the Contractor to support Contractor subsystem-level fabrication and testing efforts:

8328A Transmission Line Test Set
Manufacturer: Hewlett Packard
Quantity: 1
Replacement Value: $60,000

494P Programmable Spectrum Analyzer
Manufacturer: Tektronics
Quantity: 1
Replacement Value: $18,000 used

8672A Synthesized Signal Generator
Manufacturer: Hewlett Packard
Quantity: 1
Replacement Value: $8,000 used

436A Power Meter
Manufacturer: Hewlett Packard
Quantity: 1
Replacement Value: $1,200 used

The Contractor may request other test equipment. The Government will evaluate these requests against the availability of the subject equipment and notify the contractor if it can fulfill the request.

4.1.3 Government Furnished Material:

In order to reduce delivery time the Contractor may request the loan of long lead items in Government stock with subsequent replenishment. The material may be provided at the Government's option if existing or projected stock levels will not negatively impact the Government.

4.2 Security:

The performance of this requirement is UNCLASSIFIED.

4.3 Travel:

The contractor may be required to travel in the performance of this Task Order. If required, the Government will provide estimated travel to consist of the travel called out in the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

4.4 Performance Schedule:

Work shall commence upon award of this task order. The delivery schedule shall be based upon the date of completion of Government acceptance of the final delivery as specified within the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

4.5 Monthly Status Report (CDRL A001):

In support of this task order, the Contractor shall deliver a monthly status report that includes a summary of the work performed, problems encountered, problems resolved, current schedules, and time and cost information, including reporting period and cumulative funds and hours planned and expended. The report shall be in the Contractor's format.This report shall be provided to the Technical Coordinator no later than 10 working days following the end of the Contractor's monthly accounting period.

4.6 DEVIATIONS AND ENGINEERING CHANGE PROPOSALS (CDRLS's A002 & A003):

Requests for Deviations (RFD's) and Engineering Change Proposals (ECP's) of contract requirements shall be prepared for all proposed deviations, waivers or changes. All RFD's and ECP's shall be submitted to the Technical Coordinator for approval.

4.7 DRAWING AND ASSOCIATED LISTS (CDRL A004):

If required, the contractor shall provide a level II Drawing and Associated List Data Package. The Data Package shall incorporate all approved ECP's and shall accurately depict the final Product Item design. The COR reserves the right to review all delivered data packages and to return suggestions and redlines to the contractor for incorporation.

5.0 SPECIAL CONSIDERATIONS:

The Technical Coordinator and Alternate for this task order are:

Technical Coordinator
Tom Williams
Code 539400E
NAWCWPNS, Pt Mugu
Telephone (805) 989-583-3538

Alternate Technical Coordinator:
Ben Rasnick
Code 539400E
NAWCWPNS, Pt Mugu
Telephone (805) 989-3538

THREAT RADAR SIMULATORS SUBSYSTEM SUPPORT
INTEGRATED PROGRAM PLAN (IPP)

Contract No: N68936-04-D-0019 / Order 0004

1.0 INTRODUCTION.

The Statement of Objectives (SOO) for the Threat Radar Simulators Subsystem Support defines the procurement of seven classes of product items and requires the contractor to provide monthly status reports and cost schedule status reporting (C/SSR) and various other data as necessary. The SOO is the authorizing document for the Integrated Program Plan (IPP). This IPP addresses the specific hardware deliverables, documentation and necessary tasks to support the Threat Radar Simulators Subsystem. The IPP shall be used as the defining instrument to detail and account for the responsibilities of the contractor in reference to each product item required in the SOO. These product items shall be completed Electronic Countermeasures and Threat Radar Simulator subsystems that the contractor delivers to the Airborne Threat Simulation Team (ATST). The product items addressed by this IPP are as follows.

1. Amplifiers, Transmitters & Magnetrons: Product Item 3.1
2. Antenna Systems: Product Item 3.2
3. Bracketry, Cables & Enclosures: Product Item 3.3
4. Decoys & Launchers: Product Item 3.4
5. Electronic Assemblies: Product Item 3.5
6. Pods: Product Item 3.6
7. Radomes: Product Item 3.7

1.1 SCOPE.

The IPP contains the appropriate tasks and data requirements for each Product Item along with requirement descriptions. The SOO addresses Electronic Countermeasures and Threat Radar Simulator subsystems Product Items of both electronic attack and radar simulators that are used in aerial targets and carried onboard manned aircraft in AN/ALQ-167, DLQ-9, AST-6 and AST-9 pods.

The Contractor is tasked to deliver various subsystems for Electronic Countermeasures and Threat Radar Simulators based on the Government's applicable performance specifications and/or current drawing package as defined in the Threat Radar Simulators (TRS) Subsystem Integrated Project Plan (IPP) Applicable Document 2.1.

In addition, on a case-by-case basis, tasking may include unit repair or redesign due to system obsolescence or documentation issues.

In circumstances of unit repair, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost

proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.

In circumstances due to system obsolescence, the contractor will be tasked to perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

1.2 GOVERNING DOCUMENTS.

SOO: The SOO defines and authorizes the final Product Items the contractor shall deliver.

IPB: The IPB is the governing document defining the scope of the current Product Item tasks and requirements.

IPP: The IPP is the document used to technically define the tasks and data requirements to be performed or delivered.

Document Precedence: Specific work tasks shall be carried out in accordance with the current Threat Radar Simulators Subsystem Support Statement of Objectives (SOO). In all cases the SOO shall take precedence over all other documents.

2.0 APPLICABLE DOCUMENTS.

The following documents are applicable in the performance of the SOO.

2.1 Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP).
2.2 Most current Threat Radar Simulators (TRS) Subsystems Integrated Project Baseline (IPB).

3.0 REQUIREMENTS.

The following paragraphs call out each Product Item's tasks and data requirement items required of the contractor. The contractor shall perform in accordance with the Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) and Threat Radar Simulators (TRS) Subsystems Integrated Project Baseline (IPB) Listed under section 2.0. (Applicable documents 2.1 & 2.2).

Tasking shall include delivery, unit repair, and in certain circumstances, redesign due to system obsolescence for the following Product Items. This effort shall be performed under the premises of ISO-9000.

1. Amplifiers, Transmitters & Magnetrons: Product Item 3.1
2. Antenna Systems: Product Item 3.2

3. Basketry, Cables & Enclosures: Product Item 3.3
4. Decoys & Launchers: Product Item 3.4
5. Electronic Assemblies: Product Item 3.5
6. Pods: Product Item 3.6
7. Radomes: Product Item 3.7

3.1 AMPLIFIERS, TRANSMITTERS & MAGNETRONS: PRODUCT ITEM 3.1

The contractor shall complete the requirements for the Amplifiers, Transmitters & Magnetrons effort and tasks in accordance with the Performance Specifications and/or the Technical Data Packages in addition to Military Standards and other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

3.1.1 AN/DPT-1B Transmitters

The contractor shall deliver in quantities identified in the current Integrated Project Baseline AN/DPT-1B transmitter to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).

4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.1.2 AN/DPT-2B Transmitters

The contractor shall deliver in quantities identified in the current Integrated Project Baseline AN/DPT-2B transmitter(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.1.3 AN/UPT-2B Transmitters

The contractor shall deliver in quantities identified in the current Integrated Project Baseline AN/UPT-2B transmitter(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.1.4 500 Watt Power Amplifiers

The contractor shall deliver in quantities identified in the current Integrated Project Baseline 500 Watt Power Amplifier(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to

proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.

3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.1.5 Magnetron Tuners

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Magnetron Tuner(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.1.6 Magnetron, J Band (L-4947)

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Magnetron J Band (L-4947) Tuner(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.1.7 Magnetron, I Band (L-4936)

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Magnetron I Band (L-4936) Tuner(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.1.8 Magnetron, I Band (L-4972)

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Magnetron I Band (L-4972) Tuner(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs

necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.

3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.1.9 Magnetron, J Band (13 GHz)

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Magnetron J Band (13 GHz) Tuner(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.1.10 Magnetron, 9.7 to 10.0 GHz

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Magnetron 9.7 to 10.0 GHz Tuner(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.1.11 Magnetron, 6.7 to 7.4 GHz (VMC-1941 & VMC-1515)

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Magnetron, 6.7 to 7.4 GHz (VMC-1941 & VMC-1515) Tuner(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.1.12 Magnetron, 9.370 GHz (VMX-1942)

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Magnetron, 9.370 GHz (VMX-1942) Tuner(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized

fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.

3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.1.13 Magnetron, (VMU-1359)

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Magnetron, (VMU-1359) Tuner(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.1.14 Magnetron, (VMU-1934)

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Magnetron, (VMU-1934) Tuner(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.1.15 Magnetron, (L-4820)

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Magnetron, (L-4820) Tuner(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.1.16 Magnetron, J Band (L-4747)

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Magnetron, J Band (L-4747) Tuner(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.

2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.1.17 Magnetron, I Band (VMX-1241)

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Magnetron, I Band (VMX-1241) Tuner(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated

with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.1.18 Magnetron, H/I Band (VMX-1809)

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Magnetron, H/I Band (VMX-1809) Tuner(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.1.19 Magnetron, H/I Band (SFD-349)

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Magnetron, H/I Band (SFD-349) Tuner(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.1.20 Magnetron, J Band (VMU-1281)

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Magnetron, J Band (VMU-1281) Tuner(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.1.21 Magnetron, J Band (VMU-1039)

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Magnetron, J Band (VMU-1039) Tuner(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will

identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.2 ANTENNA SYSTEMS: PRODUCT ITEM 3.2

The contractor shall complete the requirements for the Antenna Systems effort and tasks in accordance with the Performance Specifications and/or the Technical Data Packages in addition to Military Standards, Other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

3.2.1 Adaptive Cross Polarization Assemblies

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Adaptive Cross Polarization Assemblies(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated

with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.2.2 Cross Polarization Antennas

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Cross Polarization Antenna(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.2.3 Non-Adaptive Cross Polarization Modulators

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Non-Adaptive Cross Polarization Modulator(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.3 BRACKETRY, CABLES & ENCLOSURES: PRODUCT ITEM 3.3

The contractor shall complete the requirements for the Bracketry, Cables & Enclosures effort and tasks in accordance with the Performance Specifications and/or the Technical Data Packages in addition to Military Standards, Other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

3.3.1 Hydra Interconnection Cables

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Hydra Interconnection Cable(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.3.2 RWR Lite Assemblies

The contractor shall deliver in quantities identified in the current Integrated Project Baseline RWR Lite Assemblies to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair

proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.

3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.4 DECOYS & LAUNCHERS: PRODUCT ITEM 3.4

The contractor shall complete the requirements for Decoys & Launchers effort and tasks in accordance with the Performance Specifications and/or the Technical Data Packages in addition to Military Standards, Other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

3.4.1 Fiber Optic Receiver

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Fiber Optic Receiver(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will

identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.4.2 Fiber Optic Transmitter

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Fiber Optic Transmitter(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.4.3 FOTD Launcher Type I

The contractor shall deliver in quantities identified in the current Integrated Project Baseline FOTD Launcher(s) Type I to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.4.4 FOTD Launcher Type II

The contractor shall deliver in quantities identified in the current Integrated Project Baseline FOTD Launcher(s) Type II to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.4.5 FOTD Tow Lines

The contractor shall deliver in quantities identified in the current Integrated Project Baseline FOTD Tow Lines to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will

identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.4.6 FOTD Mini Universal Control Box

The contractor shall deliver in quantities identified in the current Integrated Project Baseline FOTD Mini Universal Control Box to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.4.7 FOTD Mod Kits

The contractor shall deliver in quantities identified in the current Integrated Project Baseline FOTD Mod Kits to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.5 ELECTRONIC ASSEMBLIES: PRODUCT ITEM 3.5

The contractor shall complete the requirements for Electronic Assemblies effort and tasks in accordance with the Performance Specifications and/or the Technical Data Packages in addition to Military Standards, Other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

3.5.1 Advanced Power Monitor

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Advanced Power Monitor(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.5.2 High Voltage Power Supply (HVPS)

The contractor shall deliver in quantities identified in the current Integrated Project Baseline High Voltage Power Supply (HVPS) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The

contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.

3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.5.3 Hydra Receiver Cards

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Hydra Receiver Card(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.5.4 Miniature Telemetry Pack

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Miniature Telemetry Pack(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.5.5 RF Interface Box

The contractor shall deliver in quantities identified in the current Integrated Project Baseline RF Interface Box to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.5.6 Mini-RF Interface Box

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Mini-RF Interface Box to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair

proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.

3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.5.7 RWR Lite Response Monitors

The contractor shall deliver in quantities identified in the current Integrated Project Baseline RWR Lite Response Monitor(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.

3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.5.9 Mini Universal Control Box

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Mini Universal Control Box (s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.5.9 Integrated Stabilized RF Source (ISRFS)

The contractor shall deliver in quantities identified in the current Integrated Project Baseline ISRFS to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.5.10 ULQ-24B

The contractor shall deliver in quantities identified in the current Integrated Project Baseline ULQ-24B to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.

3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.6 PODS: PRODUCT ITEM 3.6

The contractor shall complete the requirements for Pods effort and tasks in accordance with the Performance Specification and/or the Technical Data Packages in addition to Military Standards, Other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

3.6.1 AN/ALE-44 Pod

The contractor shall deliver in quantities identified in the current Integrated Project Baseline AN/ALE-44 Pod(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with

the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.6.2 AN/AST-9 Pod Trays

The contractor shall deliver in quantities identified in the current Integrated Project Baseline AN/AST-9 Pod Tray(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.6.3 AN/AST-9 Pods

The contractor shall deliver in quantities identified in the current Integrated Project Baseline AN/AST-9 Pod(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.6.4 AN/AST-9 Wiring Harnesses

The contractor shall deliver in quantities identified in the current Integrated Project Baseline AN/AST-9 Wiring Harness to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.

2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.6.5 AN/AST-9 Shipping Containers

The contractor shall deliver in quantities identified in the current Integrated Project Baseline AN/AST-9 Shipping Containers to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.6.6 AN/DLQ-9

The contractor shall deliver in quantities identified in the current Integrated Project Baseline AN/DLQ-9 to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.7 RADOMES: PRODUCT ITEM 3.7

The contractor shall complete the requirements for Radomes effort and tasks in accordance with the Performance Specification and/or the Technical Data Packages in addition to Military Standards, Other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

3.7.1 AN/AST-9 Radomes

The contractor shall deliver in quantities identified in the current Integrated Project Baseline AN/AST-9 Radome to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.7.2 AN/DLQ-9 Forward Radome

The contractor shall deliver in quantities identified in the current Integrated Project Baseline AN/DLQ-9 Forward Radome(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.7.3 AN/DLQ-9 Aft Radome

The contractor shall deliver in quantities identified in the current Integrated Project Baseline AN/DLQ-9 Aft Radome(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit

into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.

3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.7.4 AN/AST-6 Radome

The contractor shall deliver in quantities identified in the current Integrated Project Baseline AN/AST-6 Radome(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.7.5 Low Gain Radome

The contractor shall deliver in quantities identified in the current Integrated Project Baseline Low Gain Radome(s) to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.7.6 High Gain Radome

The contractor shall deliver in quantities identified in the current Integrated Project Baseline High Gain Radome to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the government's discretion. The government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolesence and if necesarry, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

4.0 OTHER CONSIDERATIONS

4.1 GOVERNMENT FURNISHED ITEMS

4.1.1 Drawings

The drawings listed in the SOO will be provided as Government Furnished Data (GFD) to the Contractor for the subsystems referenced in the SOO. The Contractor shall identify any additional required data during the course of work. The Contractor shall identify documentation that is maintained at the Contractor's facility.

4.1.2 Individual Test Equipment

To reduce overall program costs the following specialized test equipment may be loaned on an as-required basis as GFE to the Contractor to support Contractor subsystem-level fabrication and testing efforts:

8328A Transmission Line Test Set
Manufacturer: Hewlett Packard
Quantity: 1

494P Programmable Spectrum Analyzer
Manufacturer: Tektronics
8672A Synthesized Signal Generator
Quantity: 1

Manufacturer: Hewlett Packard
Quantity: 1

436A Power Meter
Manufacturer: Hewlett Packard
Quantity: 1

The Contractor may request other test equipment. The Government will evaluate these requests against the availability of the subject equipment and notify the contractor if it can fulfill the request.

4.1.3 Government Furnished Material

In order to reduce delivery time the Contractor may request the loan of long lead items in Government stock with subsequent replenishment. The material may be provided at the Government's option if existing or projected stock levels will not negatively impact the Government.

4.2 TRAVEL

The government anticipates that the contractor may be required to travel to NAWC-WD approximately twice a quarter during the performance of this order. If required, the Government will provide estimated travel to consist of the travel called out in the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

4.3 PERFORMANCE SCHEDULE

Work shall commence upon award of this task order. The delivery schedule shall be based upon the date of completion of Government acceptance of the final delivery as specified within the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

4.4 MONTHLY STATUS REPORT (CDRL A001)

In support of this task order, the Contractor shall deliver a monthly status report that includes a summary of the work performed, problems encountered, problems resolved, current schedules,

and time and cost information, including reporting period and cumulative funds and hours planned and expended. The report shall be in the Contractor's format. This report shall be provided to the Technical Coordinator no later than 10 working days following the end of the Contractor's monthly accounting period.

4.5 DEVIATIONS AND ENGINEERING CHANGE PROPOSALS (CDRL's A002 & A003)

Requests for Deviations (RFD's) and Engineering Change Proposals (ECP's) of contract requirements shall be prepared for all proposed deviations or changes. All RFD's and ECP's shall be submitted to the Technical Coordinator for approval.

4.6 DRAWING AND ASSOCIATED LISTS (CDRL A004)

If required, the contractor shall provide a level II Drawing and Associated List Data Package. The Data Package shall incorporate all approved ECP's and shall accurately depict the final Product Item design. The COR reserves the right to review all delivered data packages and to return suggestions and redlines to the contractor for incorporation.

5.0 SPECIAL CONSIDERATIONS

The Technical Coordinator and Alternate Technical Coordinator for this task order are as follows:

Technical Coordinator
Tom Williams
Code 539400E
NAWC-WD, Pt Mugu
Telephone (805) 989-583-3538

Alternate Technical Coordinator:
Ben Rasnick
Code 539400E
NAWC-WD, Pt Mugu
Telephone (805) 989-3538

THREAT SIMULATORS SUBSYSTEM DEVELOPMENT SUPPORT

Product Item	Activity Title	ARO (mos)	Government Estimate Material Cost/Unit	UNITS	Year 1 (5/05-9/05) Hrs	Year 1 Loaded $'s	Year 2 (10/05-9/06) Hrs	Year 2 Loaded $'s	Year 3 (10/06-9/07) Hrs	Year 3 Loaded $'s	Year 4 (10/07-7/08) Hrs	Year 4 Loaded $'s	TOTAL ALL YEARS Hrs	TOTAL ALL YEARS Loaded $'s
3.1	**Amplifiers, Transmitters & Magnetrons**													
3.1.1	**AN/DPT-1B Transmitter**	12												
	Project Management				6.8	$ 509	20.4	$ 1,572	20.4	$ 1,619	20.4	$ 1,667	68.0	$ 5,367
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				7.2	$ 766	21.6	$ 2,366	21.6	$ 2,437	21.6	$ 2,510	72.0	$ 8,078
	Material		$ 20,000	30										$ -
	Subtotal				**31.5**	**$ 3,001**	**94.5**	**$ 9,272**	**94.5**	**$ 9,550**	**94.5**	**$ 9,836**	**315.0**	**$ 31,658**
3.1.2	**AN/DPT-2B Transmitter**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering					$ -							-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				7.2	$ 766	21.6	$ 2,366	21.6	$ 2,435	21.6	$ 2,510	72.0	$ 8,076
	Material		$ 20,000	50										$ -
	Subtotal				**31.2**	**$ 2,961**	**93.6**	**$ 9,212**	**93.6**	**$ 9,488**	**93.6**	**$ 9,778**	**312.0**	**$ 31,453**
3.1.3	**AN/UPT-2B Transmitter**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				7.2	$ 766	21.6	$ 2,366	21.6	$ 2,435	21.6	$ 2,510	72.0	$ 8,076
	Material		$ 60,000	15										$ -
	Subtotal				**31.2**	**$ 2,961**	**93.6**	**$ 9,212**	**93.6**	**$ 9,488**	**93.6**	**$ 9,778**	**312.0**	**$ 31,453**
3.1.4	**500 Watt Power Amplifier**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				7.2	$ 766	21.6	$ 2,366	21.6	$ 2,435	21.6	$ 2,510	72.0	$ 8,076
	Material		$ 84,000	15										$ -
	Subtotal				**31.2**	**$ 2,961**	**93.6**	**$ 9,212**	**93.6**	**$ 9,488**	**93.6**	**$ 9,778**	**312.0**	**$ 31,453**
3.1.5	**Magnetron Tuner**	12												

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THREAT SIMULATORS SUBSYSTEM DEVELOPMENT SUPPORT

Product Item	Activity Title	ARO (mos)	Government Estimate Material Cost/Unit	UNITS	Year 1 (5/05-9/05) Hrs	Year 1 Loaded $'s	Year 2 (10/05-9/06) Hrs	Year 2 Loaded $'s	Year 3 (10/06-9/07) Hrs	Year 3 Loaded $'s	Year 4 (10/07-7/08) Hrs	Year 4 Loaded $'s	TOTAL ALL YEARS Hrs	TOTAL ALL YEARS Loaded $'s
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				7.2	$ 766	21.6	$ 2,366	21.6	$ 2,435	21.6	$ 2,510	72.0	$ 8,077
	Material		$ 5,500	15										$ -
	Subtotal				**31.2**	**$ 2,961**	**93.6**	**$ 9,212**	**93.6**	**$ 9,488**	**93.6**	**$ 9,778**	**312.0**	**$ 31,454**
3.1.6	**Magnetron, J Band (L-4947)**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				7.2	$ 766	21.6	$ 2,366	21.6	$ 2,436	21.6	$ 2,510	72.0	$ 8,077
	Material		$ 14,500	15										$ -
	Subtotal				**31.2**	**$ 2,961**	**93.6**	**$ 9,212**	**93.6**	**$ 9,488**	**93.6**	**$ 9,778**	**312.0**	**$ 31,454**
3.1.7	**Magnetron, I Band (L-4936)**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				7.2	$ 766	21.6	$ 2,366	21.6	$ 2,436	21.6	$ 2,510	72.0	$ 8,077
	Material		$ 14,500	15										$ -
	Subtotal				**31.2**	**$ 2,961**	**93.6**	**$ 9,212**	**93.6**	**$ 9,488**	**93.6**	**$ 9,778**	**312.0**	**$ 31,454**
3.1.8	**Magnetron, I Band (L-4972)**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				7.2	$ 766	21.6	$ 2,366	21.6	$ 2,436	21.6	$ 2,510	72.0	$ 8,077
	Material		$ 16,500	15										$ -
	Subtotal				**31.2**	**$ 2,961**	**93.6**	**$ 9,212**	**93.6**	**$ 9,488**	**93.6**	**$ 9,778**	**312.0**	**$ 31,454**
3.1.9	**Magnetron, J Band (13 GHz)**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -

THREAT SIMULATORS SUBSYSTEM DEVELOPMENT SUPPORT

Product Item	Activity Title	ARO (mos)	Government Estimate Material Cost/Unit	UNITS	Year 1 (5/05-9/06) Hrs	Year 1 Loaded $'s	Year 2 (10/05-9/06) Hrs	Year 2 Loaded $'s	Year 3 (10/06-9/07) Hrs	Year 3 Loaded $'s	Year 4 (10/07-7/08) Hrs	Year 4 Loaded $'s	TOTAL ALL YEARS Hrs	TOTAL ALL YEARS Loaded $'s
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				7.2	$ 766	21.6	$ 2,366	21.6	$ 2,436	21.6	$ 2,510	72.0	$ 8,077
	Material		$ 15,970	15										$ -
	Subtotal				**31.2**	**$ 2,981**	**93.6**	**$ 9,212**	**93.6**	**$ 9,488**	**93.6**	**$ 9,778**	**312.0**	**$ 31,454**
3.1.10	**Magnetron, 9.7 to 10.0 GHz**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				7.2	$ 766	21.6	$ 2,366	21.6	$ 2,436	21.6	$ 2,510	72.0	$ 8,077
	Material		$ 9,500	15										$ -
	Subtotal				**31.2**	**$ 2,981**	**93.6**	**$ 9,212**	**93.6**	**$ 9,489**	**93.6**	**$ 9,778**	**312.0**	**$ 31,454**
3.1.11	**Magnetron, 6.7 to 7.4 GHz (VMC-1941 & VMC-1**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				7.2	$ 766	21.6	$ 2,366	21.6	$ 2,436	21.6	$ 2,510	72.0	$ 8,077
	Material		$ 22,500	15										$ -
	Subtotal				**31.2**	**$ 2,981**	**93.6**	**$ 9,212**	**93.6**	**$ 9,488**	**93.6**	**$ 9,778**	**312.0**	**$ 31,454**
3.1.12	**Magnetron, 9.370 GHz (VMX-1942)**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				7.2	$ 766	21.6	$ 2,366	21.6	$ 2,436	21.6	$ 2,510	72.0	$ 8,077
	Material		$ 7,500	15										$ -
	Subtotal				**31.2**	**$ 2,981**	**93.6**	**$ 9,212**	**93.6**	**$ 9,488**	**93.6**	**$ 9,778**	**312.0**	**$ 31,453**
3.1.13	**Magnetron, (VMU-1359)**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830

THREAT SIMULATORS SUBSYSTEM DEVELOPMENT SUPPORT

Product Item	Activity Title	ARO (mos)	Government Estimate Material Cost/Unit	UNITS	Year 1 (5/05-9/05) Hrs	Year 1 Loaded $'s	Year 2 (10/05-9/06) Hrs	Year 2 Loaded $'s	Year 3 (10/06-9/07) Hrs	Year 3 Loaded $'s	Year 4 (10/07-7/08) Hrs	Year 4 Loaded $'s	TOTAL ALL YEARS Hrs	TOTAL ALL YEARS Loaded $'s
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				7.2	$ 766	21.6	$ 2,365	21.6	$ 2,436	21.6	$ 2,510	72.0	$ 8,076
	Material		$ 14,500	15										$ -
	Subtotal				**31.2**	**$ 2,961**	**93.6**	**$ 9,211**	**93.6**	**$ 9,488**	**93.6**	**$ 9,773**	**312.0**	**$ 31,453**
3.1.14	**Magnetron, (VMU-1934)**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				7.2	$ 766	21.6	$ 2,365	21.6	$ 2,436	21.6	$ 2,510	72.0	$ 8,076
	Material		$ 9,500	15										$ -
	Subtotal				**31.2**	**$ 2,961**	**93.6**	**$ 9,211**	**93.6**	**$ 9,488**	**93.6**	**$ 9,773**	**312.0**	**$ 31,453**
3.1.15	**Magnetron, (L-4820)**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				7.2	$ 766	21.6	$ 2,366	21.6	$ 2,436	21.6	$ 2,510	72.0	$ 8,077
	Material		$ 19,250	15										$ -
	Subtotal				**31.2**	**$ 2,961**	**93.6**	**$ 9,212**	**93.6**	**$ 9,488**	**93.6**	**$ 9,773**	**312.0**	**$ 31,453**
3.1.16	**Magnetron, J-Band (L-4747)**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				7.2	$ 766	21.6	$ 2,365	21.6	$ 2,436	21.6	$ 2,510	72.0	$ 8,076
	Material		$ 14,750	15										$ -
	Subtotal				**31.2**	**$ 2,961**	**93.6**	**$ 9,211**	**93.6**	**$ 9,488**	**93.6**	**$ 9,773**	**312.0**	**$ 31,453**
3.1.17	**Magnetron, I-Band (VMX-1241)**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971

THREAT SIMULATORS SUBSYSTEM DEVELOPMENT SUPPORT

Product Item	Activity Title	ARO (mos)	Government Estimate Material Cost/Unit	UNITS	Year 1 (5/05-9/05) Hrs	Year 1 Loaded $'s	Year 2 (10/05-9/06) Hrs	Year 2 Loaded $'s	Year 3 (10/06-9/07) Hrs	Year 3 Loaded $'s	Year 4 (10/07-7/08) Hrs	Year 4 Loaded $'s	TOTAL ALL YEARS Hrs	TOTAL ALL YEARS Loaded $'s
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				7.2	$ 766	21.6	$ 2,365	21.6	$ 2,436	21.6	$ 2,510	72.0	$ 8,076
	Material		$ 16,500	15									-	$ -
	Subtotal				**31.2**	**$ 2,961**	**93.6**	**$ 9,211**	**93.6**	**$ 9,488**	**93.6**	**$ 9,773**	**312.0**	**$ 31,453**
3.1.18	**Magnetron, H/I Band (VMX-1809)**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				7.2	$ 766	21.6	$ 2,365	21.6	$ 2,436	21.6	$ 2,510	72.0	$ 8,076
	Material		$ 8,500	15									-	$ -
	Subtotal				**31.2**	**$ 2,961**	**93.6**	**$ 9,211**	**93.6**	**$ 9,488**	**93.6**	**$ 9,773**	**312.0**	**$ 31,453**
3.1.19	**Magnetron, H/I Band (SFD-349)**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				7.2	$ 767	21.6	$ 2,366	21.6	$ 2,436	21.6	$ 2,510	72.0	$ 8,077
	Material		$ 8,800	15									-	$ -
	Subtotal				**31.2**	**$ 2,962**	**93.6**	**$ 9,212**	**93.6**	**$ 9,488**	**93.6**	**$ 9,773**	**312.0**	**$ 31,454**
3.1.20	**Magnetron, J-Band (VMU-1281)**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				7.2	$ 767	21.6	$ 2,366	21.6	$ 2,436	21.6	$ 2,510	72.0	$ 8,078
	Material		$ 15,100	15									-	$ -
	Subtotal				**31.2**	**$ 2,962**	**93.6**	**$ 9,212**	**93.6**	**$ 9,488**	**93.6**	**$ 9,773**	**312.0**	**$ 31,454**
3.1.21	**Magnetron, J-Band (VMU-1039)**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288

THREAT SIMULATORS SUBSYSTEM DEVELOPMENT SUPPORT

Product Item	Activity Title	ARO (mos)	Government Estimate Material Cost/Unit	UNITS	Year 1 (5/05-9/05) Hrs	Year 1 Loaded $'s	Year 2 (10/05-9/06) Hrs	Year 2 Loaded $'s	Year 3 (10/06-9/07) Hrs	Year 3 Loaded $'s	Year 4 (10/07-7/08) Hrs	Year 4 Loaded $'s	TOTAL ALL YEARS Hrs	TOTAL ALL YEARS Loaded $'s
	Subcontractor Labor				7.2	$ 766	21.6	$ 2,366	21.6	$ 2,436	21.6	$ 2,510	72.0	$ 8,077
	Material		$ 18,250	15										$ -
	Subtotal				**31.2**	**$ 2,961**	**93.6**	**$ 9,212**	**93.6**	**$ 9,488**	**93.6**	**$ 9,773**	**312.0**	**$ 31,453**
	Subtotal - Amplifiers, Transmitters & Magnetrons			**350**	**655.5**	**$ 62,621**	**1,966.5**	**$ 193,503**	**1,966.5**	**$ 199,311**	**1,966.5**	**$ 205,290**	**6,555.0**	**$ 680,723**
3.2	**Antenna Systems**													
3.2.1	**Adaptive Cross Polarization Assemblies**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution													$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering													$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				215.7	$ 11,723	647.1	$ 36,220	647.1	$ 37,303	647.1	$ 38,422	2,157.0	$ 123,668
	Material		$ 34,223	30										$ -
	Subtotal				**239.7**	**$ 13,938**	**719.1**	**$ 43,066**	**719.1**	**$ 44,356**	**719.1**	**$ 45,685**	**2,397.0**	**$ 147,045**
3.2.2	**Cross Polarization Antennas**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution													$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering													$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				16.7	$ 1,368	50.1	$ 4,223	50.1	$ 4,348	50.1	$ 4,480	167.0	$ 14,419
	Material		$ 4,200	45										$ -
	Subtotal				**40.7**	**$ 3,583**	**122.1**	**$ 11,069**	**122.1**	**$ 11,401**	**122.1**	**$ 11,748**	**407.0**	**$ 37,795**
3.2.3	**Nonadaptive Cross Polarization Modulators**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution													$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering													$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				238.7	$ 12,882	716.1	$ 39,803	716.1	$ 40,995	716.1	$ 42,224	2,387.0	$ 135,903
	Material		$ 9,000	51										$ -
	Subtotal				**262.7**	**$ 15,097**	**788.1**	**$ 46,649**	**788.1**	**$ 48,048**	**788.1**	**$ 49,487**	**2,627.0**	**$ 159,280**
	Subtotal - Antenna Systems			**45**	**543.1**	**$ 32,618**	**1,629.3**	**$ 100,784**	**1,629.3**	**$ 103,804**	**1,629.3**	**$ 106,914**	**5,431.0**	**$ 344,119**
3.3	**Brackstry, Cables & Enclosures**													
3.3.1	**Hydra Interconnection Cables**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution													$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830

THREAT SIMULATORS SUBSYSTEM DEVELOPMENT SUPPORT

Product Item	Activity Title	ARO (mos)	Government Estimate Material Cost/Unit	UNITS	Year 1 (5/05-9/05) Hrs	Year 1 Loaded $'s	Year 2 (10/05-9/06) Hrs	Year 2 Loaded $'s	Year 3 (10/06-9/07) Hrs	Year 3 Loaded $'s	Year 4 (10/07-7/08) Hrs	Year 4 Loaded $'s	TOTAL ALL YEARS Hrs	TOTAL ALL YEARS Loaded $'s
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,289
	Subcontractor Labor				99.7	$ 5,220	299.1	$ 16,128	299.1	$ 16,609	299.1	$ 17,110	997.0	$ 55,067
	Material		$ 3,000	55									-	$ -
	Subtotal				**123.7**	**$ 7,435**	**371.1**	**$ 22,974**	**371.1**	**$ 23,662**	**371.1**	**$ 24,373**	**1,237.0**	**$ 78,444**
3.3.2	**RWR Lite Assemblies**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,051
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,831
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,972
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,075
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,289
	Subcontractor Labor				143.7	$ 7,681	431.1	$ 23,734	431.1	$ 24,445	431.1	$ 25,178	1,437.0	$ 81,038
	Material		$ 73,500	18									-	$ -
	Subtotal				**167.7**	**$ 9,897**	**503.1**	**$ 30,581**		**$ 31,499**		**$ 32,442**	**1,677.0**	**$ 104,418**
	Subtotal - Bracketry, Cables & Enclosures			**55**	**291.4**	**$ 17,332**	**874.2**	**$ 53,555**	**874.2**	**$ 55,161**	**874.2**	**$ 56,814**	**2,914.0**	**$ 182,862**
3.4	**Decoys & Launchers**													
3.4.1	**Fiber Optic Receiver**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				9.7	$ 936	29.1	$ 2,892	29.1	$ 2,979	29.1	$ 3,068	97.0	$ 9,875
	Material		$ 2,500	45									-	$ -
	Subtotal				**33.7**	**$ 3,151**	**101.1**	**$ 9,738**	**101.1**	**$ 10,032**	**101.1**	**$ 10,331**	**337.0**	**$ 33,252**
3.4.2	**Fiber Optic Transmitter**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				9.7	$ 937	29.1	$ 2,892	29.1	$ 2,978	29.1	$ 3,068	97.0	$ 9,874
	Material		$ 11,000	25									-	$ -
	Subtotal				**33.7**	**$ 3,152**	**101.1**	**$ 9,738**	**101.1**	**$ 10,081**	**101.1**	**$ 10,331**	**337.0**	**$ 33,251**
3.4.3	**FOTD Launcher Type 1**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050

THREAT SIMULATORS SUBSYSTEM DEVELOPMENT SUPPORT

Product Item	Activity Title	ARO (mos)	Government Estimate Material Cost/Unit	UNITS	Year 1 (5/05-9/05) Hrs	Year 1 Loaded $'s	Year 2 (10/05-9/06) Hrs	Year 2 Loaded $'s	Year 3 (10/06-9/07) Hrs	Year 3 Loaded $'s	Year 4 (10/07-7/08) Hrs	Year 4 Loaded $'s	TOTAL ALL YEARS Hrs	TOTAL ALL YEARS Loaded $'s
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				485.7	$ 25,008	1,457.1	$ 77,271	1,457.1	$ 79,581	1,457.1	$ 81,970	4,857.0	$ 263,829
	Material		$ 124,000	25										$ -
	Subtotal				**509.7**	**$ 27,223**	**1,529.1**	**$ 84,117**	**1,529.1**	**$ 86,634**	**1,529.1**	**$ 89,233**	**5,097.0**	**$ 287,206**
3.4.4	**FOTD Launcher Type II**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				9.7	$ 937	29.1	$ 2,892	29.1	$ 2,978	29.1	$ 3,068	97.0	$ 9,874
	Material		$ 92,000	57									-	$ -
	Subtotal				**33.7**	**$ 3,152**	**101.1**	**$ 9,788**	**101.1**	**$ 10,081**	**101.1**	**$ 10,331**	**337.0**	**$ 33,251**
3.4.5	**FOTD Tow Lines**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 381	22.5	$ 1,177	22.5	$ 1,213	22.5	$ 1,249	75.0	$ 4,020
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 188	11.1	$ 581	11.1	$ 598	11.1	$ 616	37.0	$ 1,983
	QA				1.0	$ 51	3.0	$ 157	3.0	$ 162	3.0	$ 167	10.0	$ 537
	Documentation				1.2	$ 61	3.6	$ 188	3.6	$ 194	3.6	$ 200	12.0	$ 643
	Subcontractor Labor				9.7	$ 936	29.1	$ 2,892	29.1	$ 2,977	29.1	$ 3,067	97.0	$ 9,873
	Material		$ 8,000	100									-	$ -
	Subtotal				**33.7**	**$ 2,469**	**101.1**	**$ 7,629**	**101.1**	**$ 7,858**	**101.1**	**$ 8,093**	**337.0**	**$ 26,050**
3.4.6	**FOTD Mini Universal Control Box**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,559	19.5	$ 1,604	65.0	$ 5,164
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering				4.1	$ 354	12.3	$ 1,092	12.3	$ 1,125	12.3	$ 1,159	41.0	$ 3,730
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				9.7	$ 936	29.1	$ 2,892	29.1	$ 2,977	29.1	$ 3,068	97.0	$ 9,874
	Material		$ 12,000	15									-	$ -
	Subtotal				**37.8**	**$ 3,505**	**113.4**	**$ 10,830**	**113.4**	**$ 11,155**	**113.4**	**$ 11,490**	**378.0**	**$ 36,961**
3.4.7	**FOTD Mod Kits**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,557	19.5	$ 1,604	65.0	$ 5,162
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -

THREAT SIMULATORS SUBSYSTEM DEVELOPMENT SUPPORT

Product Item	Activity Title	ARO (mos)	Government Estimate Material Cost/Unit	UNITS	Year 1 (5/05-9/05) Hrs	Year 1 Loaded $'s	Year 2 (10/05-9/06) Hrs	Year 2 Loaded $'s	Year 3 (10/06-9/07) Hrs	Year 3 Loaded $'s	Year 4 (10/07-7/08) Hrs	Year 4 Loaded $'s	TOTAL ALL YEARS Hrs	TOTAL ALL YEARS Loaded $'s
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				11.7	$ 1,073	35.1	$ 3,313	35.1	$ 3,413	35.1	$ 3,515	117.0	$ 11,314
	Material		$ 1,000	$ 50									-	$ -
	Subtotal				**35.7**	**$ 3,288**	**107.1**	**$ 10,159**	**107.1**	**$ 10,464**	**107.1**	**$ 10,778**	**357.0**	**$ 34,690**
	Subtotal - Decoys & Launchers			**152**	**718.0**	**$ 45,989**	**2,154.0**	**$ 141,949**	**2,154.0**	**$ 146,204**	**2,154.0**	**$ 150,588**	**7,180.0**	**$ 484,681**
3.5	**Electronic Assemblies**													
3.5.1	**Advanced Power Monitor**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,557	19.5	$ 1,604	65.0	$ 5,162
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering				4.1	$ 354	12.3	$ 1,092	12.3	$ 1,125	12.3	$ 1,159	41.0	$ 3,730
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				135.7	$ 7,136	407.1	$ 22,050	407.1	$ 22,710	407.1	$ 23,391	1,357.0	$ 75,287
	Material		$ 20,000	36									-	$ -
	Subtotal				**163.8**	**$ 9,705**	**491.4**	**$ 29,968**	**491.4**	**$ 30,886**	**491.4**	**$ 31,813**	**1,638.0**	**$ 102,892**
3.5.2	**High Voltage Power Supply (HVPS)**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,557	19.5	$ 1,604	65.0	$ 5,162
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				42.2	$ 2,470	126.6	$ 7,629	126.6	$ 7,858	126.6	$ 8,093	422.0	$ 26,049
	Material		$ 30,000	60									-	$ -
	Subtotal				**66.2**	**$ 4,685**	**198.6**	**$ 14,475**	**198.6**	**$ 14,909**	**198.6**	**$ 15,356**	**662.0**	**$ 49,424**
3.5.3	**Hydra Receiver Cards**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,557	19.5	$ 1,604	65.0	$ 5,162
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				166.7	$ 8,603	500.1	$ 26,582	500.1	$ 27,377	500.1	$ 28,199	1,667.0	$ 90,762
	Material		$ 10,000	64									-	$ -
	Subtotal				**190.7**	**$ 10,818**	**572.1**	**$ 33,428**	**572.1**	**$ 34,428**	**572.1**	**$ 35,462**	**1,907.0**	**$ 114,186**
3.5.4	**Miniature Telemetry Pack**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,557	19.5	$ 1,604	65.0	$ 5,162
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830

THREAT SIMULATORS SUBSYSTEM DEVELOPMENT SUPPORT

Product Item	Activity Title	ARO (mos)	Government Estimate Material Cost/Unit	UNITS	Year 1 (5/05-9/05) Hrs	Year 1 Loaded $'s	Year 2 (10/05-9/06) Hrs	Year 2 Loaded $'s	Year 3 (10/06-9/07) Hrs	Year 3 Loaded $'s	Year 4 (10/07-7/08) Hrs	Year 4 Loaded $'s	TOTAL ALL YEARS Hrs	TOTAL ALL YEARS Loaded $'s
	System Software Engineering				4.1	$ 354	12.3	$ 1,092	12.3	$ 1,125	12.3	$ 1,159	41.0	$ 3,730
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				355.7	$ 17,934	1,067.1	$ 55,415	1,067.1	$ 57,073	1,067.1	$ 58,786	3,557.0	$ 189,209
	Material		$ 15,000	$ 78										$ -
	Subtotal				**383.8**	**$ 20,503**	**1,151.4**	**$ 63,353**	**1,151.4**	**$ 65,249**	**1,151.4**	**$ 67,208**	**3,838.0**	**$ 216,314**
3.5.5	**RF Interface Box**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,557	19.5	$ 1,604	65.0	$ 5,162
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering				4.1	$ 354	12.3	$ 1,092	12.3	$ 1,125	12.3	$ 1,159	41.0	$ 3,730
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				77.7	$ 4,382	233.1	$ 13,541	233.1	$ 13,947	233.1	$ 14,364	777.0	$ 46,234
	Material		$ 10,000	$ 25										$ -
	Subtotal				**105.8**	**$ 6,951**	**317.4**	**$ 21,479**	**317.4**	**$ 22,123**	**317.4**	**$ 22,786**	**1,058.0**	**$ 73,339**
3.5.6	**Mini-RF Interface Box**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,557	19.5	$ 1,604	65.0	$ 5,162
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering				4.1	$ 354	12.3	$ 1,092	12.3	$ 1,125	12.3	$ 1,159	41.0	$ 3,730
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				24.7	$ 1,638	74.1	$ 5,061	74.1	$ 5,213	74.1	$ 5,369	247.0	$ 17,282
	Material		$ 7,000	$ 21										$ -
	Subtotal				**52.8**	**$ 4,207**	**158.4**	**$ 12,999**	**158.4**	**$ 13,389**	**158.4**	**$ 13,791**	**528.0**	**$ 44,387**
3.5.7	**RWR Lite Response Monitors**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,557	19.5	$ 1,604	65.0	$ 5,162
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering				4.1	$ 354	12.3	$ 1,092	12.3	$ 1,125	12.3	$ 1,159	41.0	$ 3,730
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				9.7	$ 936	29.1	$ 2,892	29.1	$ 2,979	29.1	$ 3,068	97.0	$ 9,876
	Material		$ 100,000	$ 21										$ -
	Subtotal				**37.8**	**$ 3,505**	**113.4**	**$ 10,880**	**113.4**	**$ 11,155**	**113.4**	**$ 11,490**	**378.0**	**$ 36,961**
3.5.8	**Mini Universal Control Box**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,557	19.5	$ 1,604	65.0	$ 5,162
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering				4.1	$ 354	12.3	$ 1,092	12.3	$ 1,125	12.3	$ 1,159	41.0	$ 3,730
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971

THREAT SIMULATORS SUBSYSTEM DEVELOPMENT SUPPORT

Product Item	Activity Title	ARO (mos)	Government Estimate Material Cost/Unit	UNITS	Year 1 (5/05-9/05) Hrs	Year 1 Loaded $'s	Year 2 (10/05-9/06) Hrs	Year 2 Loaded $'s	Year 3 (10/06-9/07) Hrs	Year 3 Loaded $'s	Year 4 (10/07-7/08) Hrs	Year 4 Loaded $'s	TOTAL ALL YEARS Hrs	TOTAL ALL YEARS Loaded $'s
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				159.7	$ 8,286	479.1	$ 25,605	479.1	$ 26,371	479.1	$ 27,162	1,597.0	$ 87,425
	Material		$ 10,000	$ 41										$ -
	Subtotal				**167.8**	**$ 10,855**	**563.4**	**$ 33,543**	**563.4**	**$ 34,547**	**563.4**	**$ 35,584**	**1,878.0**	**$ 114,580**
3.5.9	**Integrated Stabilized RF Source (ISRFS)**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,557	19.5	$ 1,604	65.0	$ 5,162
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering				4.1	$ 354	12.3	$ 1,092	12.3	$ 1,125	12.3	$ 1,159	41.0	$ 3,730
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				9.7	$ 936	29.1	$ 2,892	29.1	$ 2,979	29.1	$ 3,068	97.0	$ 9,876
	Material		$ 43,000	$ 44										$ -
	Subtotal				**37.8**	**$ 3,505**	**113.4**	**$ 10,880**	**113.4**	**$ 11,155**	**113.4**	**$ 11,490**	**378.0**	**$ 36,981**
3.5.10	**ULQ-24B**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,557	19.5	$ 1,604	65.0	$ 5,162
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering				4.1	$ 354	12.3	$ 1,092	12.3	$ 1,125	12.3	$ 1,159	41.0	$ 3,730
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				203.7	$ 10,529	611.1	$ 32,538	611.1	$ 33,511	611.1	$ 34,516	2,037.0	$ 111,096
	Material		$ 20,000	$ 21										$ -
	Subtotal				**231.8**	**$ 13,099**	**695.4**	**$ 40,476**	**695.4**	**$ 41,687**	**695.4**	**$ 42,938**	**2,318.0**	**$ 138,201**
	Subtotal - Electronic Assemblies			**346**	**1,458.8**	**$ 87,885**	**4,374.9**	**$ 271,402**	**4,374.9**	**$ 279,580**	**4,374.9**	**$ 287,918**	**14,583.0**	**$ 926,685**
3.6	**Pods**													
3.6.1	**AN/ALE-44**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,557	19.5	$ 1,604	65.0	$ 5,162
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering				4.1	$ 354	12.3	$ 1,092	12.3	$ 1,125	12.3	$ 1,159	41.0	$ 3,730
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,289
	Subcontractor Labor				150.7	$ 7,910	452.1	$ 24,443	452.1	$ 25,174	452.1	$ 25,929	1,507.0	$ 83,455
	Material		$ 48,000	$ 15										$ -
	Subtotal				**178.8**	**$ 10,479**	**536.4**	**$ 32,881**	**536.4**	**$ 33,850**	**536.4**	**$ 34,851**	**1,788.0**	**$ 110,561**
3.6.2	**AN/AST-9 Pod Trays**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,557	19.5	$ 1,604	65.0	$ 5,162
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 381	22.5	$ 1,177	22.5	$ 1,213	22.5	$ 1,249	75.0	$ 4,020
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830

THREAT SIMULATORS SUBSYSTEM DEVELOPMENT SUPPORT

Product Item	Activity Title	ARO (mos)	Government Estimate Material Cost/Unit	UNITS	Year 1 (5/05-9/05) Hrs	Year 1 Loaded $'s	Year 2 (10/05-9/06) Hrs	Year 2 Loaded $'s	Year 3 (10/06-9/07) Hrs	Year 3 Loaded $'s	Year 4 (10/07-7/08) Hrs	Year 4 Loaded $'s	TOTAL ALL YEARS Hrs	TOTAL ALL YEARS Loaded $'s
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 188	11.1	$ 581	11.1	$ 598	11.1	$ 616	37.0	$ 1,983
	QA				1.0	$ 51	3.0	$ 157	3.0	$ 162	3.0	$ 167	10.0	$ 537
	Documentation				1.2	$ 61	3.6	$ 188	3.6	$ 194	3.6	$ 200	12.0	$ 643
	Subcontractor Labor				37.7	$ 2,281	113.1	$ 7,047	113.1	$ 7,259	113.1	$ 7,477	377.0	$ 24,065
	Material		$ 21,000	$ 36									-	$ -
	Subtotal				**61.7**	**$ 3,814**	**185.1**	**$ 11,784**	**185.1**	**$ 12,138**	**185.1**	**$ 12,503**	**617.0**	**$ 40,240**
3.6.3	**AN/AST-9 Pods**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,557	19.5	$ 1,604	65.0	$ 5,162
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering				4.1	$ 354	12.3	$ 1,092	12.3	$ 1,125	12.3	$ 1,159	41.0	$ 3,730
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				61.7	$ 3,581	185.1	$ 11,065	185.1	$ 11,398	185.1	$ 11,738	617.0	$ 37,782
	Material		$ 18,000	36										$ -
	Subtotal				**89.8**	**$ 6,150**	**269.4**	**$ 19,008**	**269.4**	**$ 19,574**	**269.4**	**$ 20,160**	**898.0**	**$ 64,887**
3.6.4	**AN/AST-9 Wiring Harnesses**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,557	19.5	$ 1,604	65.0	$ 5,162
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				143.7	$ 7,538	431.1	$ 23,290	431.1	$ 23,987	431.1	$ 24,707	1,437.0	$ 79,522
	Material		$ 8,500	$ 20										$ -
	Subtotal				**167.7**	**$ 9,753**	**503.1**	**$ 30,136**	**503.1**	**$ 31,068**	**503.1**	**$ 31,970**	**1,677.0**	**$ 102,897**
3.6.5	**AN/AST-9 Shipping Containers**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,557	19.5	$ 1,604	65.0	$ 5,162
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 381	22.5	$ 1,177	22.5	$ 1,213	22.5	$ 1,249	75.0	$ 4,020
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 188	11.1	$ 581	11.1	$ 598	11.1	$ 616	37.0	$ 1,983
	QA				1.0	$ 51	3.0	$ 157	3.0	$ 162	3.0	$ 167	10.0	$ 537
	Documentation				1.2	$ 61	3.6	$ 188	3.6	$ 194	3.6	$ 200	12.0	$ 643
	Subcontractor Labor				13.7	$ 1,208	41.1	$ 3,734	41.1	$ 3,847	41.1	$ 3,961	137.0	$ 12,751
	Material		$ 8,000	$ 42										$ -
	Subtotal				**37.7**	**$ 2,741**	**113.1**	**$ 8,471**	**113.1**	**$ 8,726**	**113.1**	**$ 8,987**	**377.0**	**$ 28,926**
3.6.6	**AN/DLQ-9**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,557	19.5	$ 1,604	65.0	$ 5,162
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering				4.1	$ 354	12.3	$ 1,092	12.3	$ 1,125	12.3	$ 1,159	41.0	$ 3,730
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971

THREAT SIMULATORS SUBSYSTEM DEVELOPMENT SUPPORT

Product Item	Activity Title	ARO (mos)	Government Estimate Material Cost/Unit	UNITS	Year 1 (5/05-9/05) Hrs	Year 1 Loaded $'s	Year 2 (10/05-9/06) Hrs	Year 2 Loaded $'s	Year 3 (10/06-9/07) Hrs	Year 3 Loaded $'s	Year 4 (10/07-7/08) Hrs	Year 4 Loaded $'s	TOTAL ALL YEARS Hrs	TOTAL ALL YEARS Loaded $'s
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				1,085.7	$ 53,599	3,257.1	$ 165,620	3,257.1	$ 170,572	3,257.1	$ 175,695	10,857.0	$ 565,488
	Material		$ 50,000	$ 47										$ -
	Subtotal				**1,113.8**	**$ 56,168**	**3,341.4**	**$ 178,559**	**3,341.4**	**$ 178,748**	**3,341.4**	**$ 184,117**	**11,136.0**	**$ 592,598**
	Subtotal - Pods			**149**	**1,849.5**	**$ 89,107**	**4,948.5**	**$ 275,334**	**4,948.5**	**$ 283,574**	**4,948.5**	**$ 292,088**	**16,496.0**	**$ 940,104**
3.7	**Radomes**													
3.7.1	**AN/AST-9 Radome**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,557	19.5	$ 1,604	65.0	$ 5,162
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				11.7	$ 1,073	35.1	$ 3,313	35.1	$ 3,413	35.1	$ 3,518	117.0	$ 11,317
	Material		$ 16,000	$ 68										$ -
	Subtotal				**35.7**	**$ 3,288**	**107.1**	**$ 10,159**	**107.1**	**$ 10,464**	**107.1**	**$ 10,781**	**357.0**	**$ 34,692**
3.7.2	**AN/DLQ-9 Forward Radome**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,557	19.5	$ 1,604	65.0	$ 5,162
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				9.7	$ 937	29.1	$ 2,892	29.1	$ 2,979	29.1	$ 3,068	97.0	$ 9,876
	Material		$ 2,300	$ 20										$ -
	Subtotal				**33.7**	**$ 3,152**	**101.1**	**$ 9,738**	**101.1**	**$ 10,030**	**101.1**	**$ 10,331**	**337.0**	**$ 33,251**
3.7.3	**AN/DLQ-9 Aft Radome**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,557	19.5	$ 1,604	65.0	$ 5,162
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				9.7	$ 937	29.1	$ 2,892	29.1	$ 2,979	29.1	$ 3,068	97.0	$ 9,876
	Material		$ 1,900	$ 20										$ -
	Subtotal				**33.7**	**$ 3,152**	**101.1**	**$ 9,738**	**101.1**	**$ 10,030**	**101.1**	**$ 10,331**	**337.0**	**$ 33,251**
3.7.4	**AN/AST-6 Radome**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,557	19.5	$ 1,604	65.0	$ 5,162
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -

THREAT SIMULATORS SUBSYSTEM DEVELOPMENT SUPPORT

Product Item	Activity Title	ARO (mos)	Government Estimate Material Cost/Unit	UNITS	Year 1 (5/05-9/05) Hrs	Year 1 Loaded $'s	Year 2 (10/05-9/06) Hrs	Year 2 Loaded $'s	Year 3 (10/06-9/07) Hrs	Year 3 Loaded $'s	Year 4 (10/07-7/08) Hrs	Year 4 Loaded $'s	TOTAL ALL YEARS Hrs	TOTAL ALL YEARS Loaded $'s
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				7.7	$ 800	23.1	$ 2,471	23.1	$ 2,545	23.1	$ 2,621	77.0	$ 8,437
	Material		$ 1,900	$ 15									-	$ -
	Subtotal				**31.7**	**$ 3,015**	**95.1**	**$ 9,817**	**95.1**	**$ 9,596**	**95.1**	**$ 9,884**	**317.0**	**$ 31,812**
3.7.5	**Low Gain Radome**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,557	19.5	$ 1,604	65.0	$ 5,162
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				7.7	$ 800	23.1	$ 2,471	23.1	$ 2,545	23.1	$ 2,621	77.0	$ 8,438
	Material		$ 200	$ 15									-	$ -
	Subtotal				**31.7**	**$ 3,015**	**95.1**	**$ 9,817**	**95.1**	**$ 9,596**	**95.1**	**$ 9,884**	**317.0**	**$ 31,813**
3.7.6	**High Gain Radome**	12												
	Project Management				6.5	$ 489	19.5	$ 1,512	19.5	$ 1,557	19.5	$ 1,604	65.0	$ 5,162
	Project Execution												-	$ -
	Requirements Mgt				7.5	$ 763	22.5	$ 2,358	22.5	$ 2,428	22.5	$ 2,501	75.0	$ 8,050
	System Engineering				4.1	$ 363	12.3	$ 1,122	12.3	$ 1,155	12.3	$ 1,190	41.0	$ 3,830
	System Software Engineering												-	$ -
	Component Manufacture/Procurement				3.7	$ 376	11.1	$ 1,163	11.1	$ 1,198	11.1	$ 1,234	37.0	$ 3,971
	QA				1.0	$ 102	3.0	$ 314	3.0	$ 324	3.0	$ 334	10.0	$ 1,074
	Documentation				1.2	$ 122	3.6	$ 377	3.6	$ 389	3.6	$ 400	12.0	$ 1,288
	Subcontractor Labor				7.7	$ 800	23.1	$ 2,471	23.1	$ 2,545	23.1	$ 2,621	77.0	$ 8,438
	Material		$ 275	15									-	$ -
	Subtotal				**31.7**	**$ 3,015**	**95.1**	**$ 9,817**	**95.1**	**$ 9,596**	**95.1**	**$ 9,884**	**317.0**	**$ 31,812**
	Subtotal - Radomes			**138**	**196.2**	**$ 18,687**	**594.6**	**$ 57,586**	**594.6**	**$ 59,312**	**594.6**	**$ 61,096**	**1,962.0**	**$ 196,681**
	Totals - Material Cost - Hours - etc.			**1235**	**5,514.0**	**$ 354,088**	**16,542.0**	**$ 1,094,112**	**16,542.0**	**$ 1,126,896**	**16,542.0**	**$ 1,160,709**	**55,140.0**	**$ 3,735,805**
4.2	**Subtotal - Travel**					**$ 6,491**		**$ 12,962**		**$ 12,962**		**$ 6,491**		**$ 38,945**
	Sub-Total Material					**$ 1,669,784**		**$ 1,968,545**		**$ 1,886,128**		**$ -**		**$ 5,524,457**
						$ 2,080,363		**$ 3,075,639**		**$ 3,026,006**		**$ 1,167,200**		**$ 9,299,207**
						$ 14,116		**$ 42,348**		**$ 42,347**		**$ 42,348**		**$ 141,159**
						$ 26,743		**$ 80,229**		**$ 80,229**		**$ 80,229**		**$ 267,430**
						$ 2,071,222		**$ 3,198,216**		**$ 3,145,582**		**$ 1,289,776**		**$ 9,707,795**

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA. 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP TM OTHER:

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
THREAT SIMULATORS SUBSYSTEM	N68936-04-D-0019/0004	Tybrin Corp.

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A004	**Level II Drawing Package**	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-DRPR-80651 (SEE BLK 16)	**SOW Para 3.1 thru 3.18**	**NAWC-WD 539400E**

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	SEE BLOCK 16	ONE TIME	SEE BLOCK 16

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	N/A	SEE BLOCK 16

16. REMARKS

Block 4: Contractor format is approved.

Block 9: Use Distribution Statement C: Distribution authorized to U.S. Government agencies and their contractors; to protect publications required for official use or for administrative or operational purposes only; 1 June 2001. Other requests for this document shall be referred to Commander: Naval Air Warfare Center Weapons Division (Code 539400E), Point Mugu, CA 39042-5049.

DESTRUCTION NOTICE - for unclassified, limited documents, destroy by any method that will prevent disclosure of contents or reconstruction of the document.

Block 13: As required, the government will review draft revised document provided by the contractor within 90 days of government authorization to upgrade system. The government will provide review comments, if any; to the contractor within 60 days. The contractor will incorporate review comments and provide final revised document within 30 days.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
NAWC-WD			
POINT MUGU, CA			
93042-5049			
ATTN: T. WILLIAMS			
NAWC: 539400E	1	1	0
NAWC: 220000D		Ltr	Only
NAWC: 535D00D		Ltr	Only
15. TOTAL →	1	1	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Naval Air Warfare Center Weapons Division China Lake, CA 93555	*20 Jun 05*	*Rosemarie D. Vorwerk*	*20 Jun 05*

DD Form 1423-1, 1 Jun 9090

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP TM OTHER:

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
THREAT SIMULATORS SUBSYSTEM	N68936-04-D-0019/0004	Tybrin Corp.

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A003	**Engineering Change Proposal (ECP)**	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-CMAN-806396C (SEE BLK 16)	**SOW Para 3.1 thru 3.18**	**NAWC-WD 539400E**

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
N/A	SEE BLOCK 16	ONE TIME	SEE BLOCK 16

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	N/A	SEE BLOCK 16

16. REMARKS

BLOCK 4: Change may be in contractor format.

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DESTRUCTION NOTICE - for unclassified, limited documents, destroy by any method that will prevent disclosure of contents or reconstruction of the document.

BLOCKS 12 and 13: Contractor to submit 15 DA identification of need for change.

BLOCK 14: Submit transmittal and all enclosures to NAWCWPNS AND ACO. Submit a copy of the letter of transmittal only, to the PCO.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
See Block 16			
NAWC-WD			
POINT MUGU, CA			
93042-5049			
CODE 539400E			
ATTN: T. WILLIAMS	**0**	**2**	**0**
NAWC 220000D		**Ltr**	**Only**
NAWC 535D00D		**Ltr**	**Only**
15. TOTAL →	**0**	**2**	**0**

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Naval Air Warfare Center Weapons Division China Lake, CA 93555	*20 Jun 05*	*Rosemarie D. Vorwerk*	*20 Jun 05*

DD Form 1423-1, 1 Jun 9090

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP TM OTHER:

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
THREAT SIMULATORS SUBSYSTEM	N68936-04-D-0019/0004	Tybrin Corp.

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A001	**Program Progress Report**	**Monthly Status Report**

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-80555 (SEE BLK 16)	**SOW Para 5.5**	**NAWC-WD 539400E**

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	N/A	MTHLY	35 DARO
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
N/A		N/A	EOM+ 10 DAYS

16. REMARKS

Block 4: Contractor format authorized provided that the DID is used as a guideline. Submission of this report by electronic mail is preferable.

BLOCK 9: Use Distribution Statement C: Distribution authorized to U.S. Government agencies and their contractors; to protect publications required for official use or for administrative or operational purposes only; 1 June 2001. Other requests for this document shall be referred to Commander: Naval Air Warfare Center Weapons Division (Code 539400E), Point Mugu, CA 39042-5049.

DESTRUCTION NOTICE - for unclassified, limited documents, destroy by any method that will prevent disclosure of contents or reconstruction of the document.

Block 14: Submission of this report by electronic mail is preferable. Thomas.H.Williams@navy.mil

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
NAWC-WD			
POINT MUGU, CA			
93042-5001			
539400E			
Attn: T. Williams			
See Block 16	**0**	**1**	**0**
NAW-CD: 220000D	**0**	**1**	**0**
NAW-CD: 535D00D	**0**	**1**	**0**
15. TOTAL →	**0**	**3**	**0**

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Naval Air Warfare Center Weapons Division China Lake, CA 93555	*20 Jun 05*	*Rosemarie D. Vorwerk*	*20 Jun 05*

DD Form 1423-1, 1 Jun 9090

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP TM OTHER:

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
THREAT SIMULATORS SUBSYSTEM	N68936-04-D-0019/0004	Tybrin Corp.

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A002	**Request for Deviations**	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-CMAN-80640C (SEE BLK 16)	**SOW Para 5.5**	**NAWC-WD 539400E**

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
N/A	SEE BLOCK 16	AS REQ	SEE BLOCK 16
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
N/A		N/A	SEE BLOCK 16

16. REMARKS

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BLOCKS 12 and 13: Contractor to submit 15 DA identification of need for change.

Block 14: Submission of this report by electronic mail is preferable. Thomas.h.williams@navy.mil

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
NAWC-WD			
POINT MUGU, CA			
93042-5001			
539400E			
Attn: T. Williams			
See Block 16	**0**	**1**	**0**
NAWC: 220000D	**0**	**1**	**0**
NAWC: 535D00D	**0**	**1**	**0**
15. TOTAL →	**0**	**3**	**0**

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Naval Air Warfare Center Weapons Division China Lake, CA 93555	*20 Jun 05*	*Rosemarie D. Vorwerk*	*20 Jun 05*

DD Form 1423-1, 1 Jun 9090

Integrated Project Baseline (IPB)
CES II - THREAT RADAR SIMULATION SUBSYSTEMS
N68936-00-D-0019 / Order 0004

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO.	2. DELIVERY ORDER/ CALL NO.	3. DATE OF ORDER/CALL (YYYYMMMDD)	4. REQ./ PURCH. REQUEST NO.	5. PRIORITY
N68936-04-D-0019	0005	2005 Dec 21	See Schedule	

6. ISSUED BY CODE N68936
CDR NAWCWD CODE 220000D
ATTN: B. MONCKTON
(760) 939-8234
429 E BOWEN RD - STOP 4015
CHINA LAKE CA 93555-6108

7. ADMINISTERED BY *(if other than 6)* CODE S0101A
DCMA BIRMINGHAM
1910 THIRD AVENUE NORTH
SUITE 201
BIRMINGHAM AL 35203-3514

8. DELIVERY FOB
[X] DESTINATION
[ ] OTHER
(See Schedule if other)

9. CONTRACTOR CODE 1H996 FACILITY
NAME AND ADDRESS
TYBRIN CORPORATION
JOE JAMES
1030 TITAN COURT
FORT WALTON BEACH FL 32547

10. DELIVER TO FOB POINT BY (Date) *(YYYYMMMDD)*
SEE SCHEDULE

11. MARK IF BUSINESS IS
[ ] SMALL
[ ] SMALL DISADVANTAGED
[ ] WOMEN-OWNED

12. DISCOUNT TERMS

13. MAIL INVOICES TO THE ADDRESS IN BLOCK
See Item 15

14. SHIP TO CODE N68936
CDR NAWCWD CODE 539500D
GARON HARRIS
1 ADMIN CIRCLE - STOP 1106
CHINA LAKE CA 93555-6100

15. PAYMENT WILL BE MADE BY CODE HQ0338
DFAS - COLUMBUS CENTER
SOUTH ENTITLEMENT OPERATIONS
PO BOX 182264
COLUMBUS OH 43218-2264

MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.

16. TYPE OF ORDER			
	DELIVERY/ CALL	X	This delivery order/call is issued on another Government 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 (YYYYMMMDD)

[X] If this box is marked, supplier must sign Acceptance and return the following number of copies: 1

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
TEL: (760) 939-8158
EMAIL: john.d.watkins@navy.mil
BY: JOHN D WATKINS
CONTRACTING / ORDERING OFFICER

25. TOTAL $6,234,722.00
26. DIFFERENCES

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

b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE | c. DATE (YYYYMMMDD) | d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE

e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE

f. TELEPHONE NUMBER | g. E-MAIL ADDRESS

36. I certify this account is correct and proper for payment.
a. DATE (YYYYMMMDD) | b. SIGNATURE AND TITLE OF CERTIFYING OFFICER

28. SHIP NO. | 29. DO VOUCHER NO. | 30. INITIALS

[ ] PARTIAL [ ] FINAL

31. PAYMENT
[ ] COMPLETE [ ] PARTIAL [ ] FINAL

32. PAID BY

33. AMOUNT VERIFIED CORRECT FOR

34. CHECK NUMBER

35. BILL OF LADING NO.

37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMMDD)	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		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

COMBAT ENVIRONMENT SIMULATION - BASE PERIOD

CPAF

TARIF. TACTS/ACTS Software Sustainment and Enhancement. In accordance with Statement of Work.

FOB: Destination

PURCHASE REQUEST NUMBER: 0010156146

MAX COST	$5,866,557.00
BASE FEE	$135,905.00
SUBTOTAL MAX COST + BASE	$6,002,462.00
MAX AWARD FEE	$232,260.00
TOTAL MAX COST + FEE	$6,234,722.00

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000101		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY

CPAF

TACTS/ACTS Start up costs. In accordance with Statement of Work.

FOB: Destination

PURCHASE REQUEST NUMBER: 0010156146

ACRN AA $10,000.00
CIN: 001015614600001

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000102		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
FA-18 Adv Weapon. In accordance with 3.8.2 of Statement of Work.
FOB: Destination
PURCHASE REQUEST NUMBER: 0010161831

ACRN AB $134,219.00
CIN: 001016183100001

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000103		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
FA-18 Adv Weapon. In accordance with 3.8.2 of Statement of Work.
FOB: Destination
PURCHASE REQUEST NUMBER: 0010161831

ACRN AC $142,994.00
CIN: 001016183100002

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000104		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
FA-18 Adv. Weapon. In accordance with 3.8.2 Statement of Work.
FOB: Destination
PURCHASE REQUEST NUMBER: 0010161831

ACRN AD $201,410.00
CIN: 001016183100003

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000105		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
FA-18 Adv Weapon. In accordance with 3.8.2 of Statement of Work.
FOB: Destination
PURCHASE REQUEST NUMBER: 0010161831

ACRN AE $483,091.00
CIN: 001016183100004

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0002		UNDEFINED			NSP

DATA REQUIREMENTS
CPAF
In accordance with Exhibit A Contract Data Requirement List.
FOB: Destination

NOTE

BASE FEE AND AWARD FEE FOR LEVEL-OF-EFFORT ORDER

In accordance with the basic contract, base fee shall for work performed under this order is

CLIN	Base Fee Amount	Hours Per Level of Effort	
0001	$135,905	53,088	**$2.56**

provided that the maximum number of direct labor hours are expended.

The nature of the work under this task order is level-of-effort. As such, milestones defining specific outcomes cannot be defined in terms of quantity and schedule with any certainty. Funding will be obtained from a variety of sources as work is required. Therefore, the award fee pool available in any given evaluation period will be associated with the level-of-effort expended during that period.

First award fee period will be from date of award to Mar 31, 2006. Thereafter, award fee will be paid on a biannual (six month) basis (Oct 1 – Mar 31; Apr 1 – Sep 30). In addition to the base fee set forth herein, the contractor may earn and be paid all or a portion of an award fee not to exceed **$232,260.00** provided that approximately 53,088 direct labor hours are expended by the contractor. The maximum available award fee pool for any award fee period will be computed at the maximum rate of **$4.375** per direct hour invoiced by the contractor under the task order for the related award fee period. If less than 100% of the direct labor hours for the tasks are expended the fee shall be equitably reduced to reflect the reduction in work.

The Contractor is to set aside an award fee amount from each funding SLIN based on the level of effort for the associated task.

NOTE:
This order is placed against CLIN 0001 of the Basic Contract.

This order is determined to be **NONSEVERABLE.**

In accordance with 52.244-2(e) SUBCONTRACTS of the basic contract, the Contracting Officer's written consent is required for subcontracts valued at $10,000 or greater for this order. This consent is in effect until Dec 14, 2006 unless revised by modification.

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	Destination	Government	Destination	Government
000101	Destination	Government	Destination	Government
000102	Destination	Government	Destination	Government
000103	Destination	Government	Destination	Government
000104	Destination	Government	Destination	Government
000105	Destination	Government	Destination	Government
0002	N/A	N/A	N/A	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001	POP 21-DEC-2005 TO 12-MAY-2008	N/A	CDR NAWCWD CODE 539500D GARON HARRIS 1 ADMIN CIRCLE - STOP 1106 CHINA LAKE CA 93555-6100 (760) 939-2588 FOB: Destination	N68936
000101	N/A	N/A	N/A	N/A
000102	N/A	N/A	N/A	N/A
000103	N/A	N/A	N/A	N/A
000104	N/A	N/A	N/A	N/A
000105	N/A	N/A	N/A	N/A
0002	N/A	N/A	N/A	N/A

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930 NH2C 252 77777 0 054219 2F 000000
COST CODE: 011574830030
AMOUNT: $10,000.00
CIN 001015614600001: $10,000.00

AB: 97X4930 NH2C 252 77777 0 054219 2F 000000
COST CODE: 011632070510
AMOUNT: $134,219.00
CIN 001016183100001: $134,219.00

AC: 97X4930 NH2C 252 77777 0 054219 2F 000000
COST CODE: 011685580610
AMOUNT: $142,994.00
CIN 001016183100002: $142,994.00

AD: 97X4930 NH2C 252 77777 0 054219 2F 000000
COST CODE: 011503490610
AMOUNT: $201,410.00
CIN 001016183100003: $201,410.00

AE: 97X4930 NH2C 252 77777 0 054219 2F 000000
COST CODE: A41188419A00
AMOUNT: $483,091.00
CIN 001016183100004: $483,091.00

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	TACTS/ACTS Software Sustainment & Enhancement Statement of Work	6	26Sep2005
Attachment 2	TACTS/ACTS Integrated Project Baseline	5	28Sep2005
Attachment 3	TACTS/ACTS Level of Effort	2	23Nov2005
Exhibit A	Contract Data Requirements List (CDRL)	2	27Sep2005

TACTS/ACTS SOFTWARE
SUSTAINMENT AND ENHANCEMENT
STATEMENT OF WORK
26 September 2005

1.0 SCOPE. The scope of this task order Statement of Work (SOW) requires the contractor to complete the following tasks as a team member of the Joint Navy Tactical Aircrew Combat Training System (TACTS), Air Force Air Combat Training System (ACTS), Navy Tactical Combat Training System (TCTS), and Air Force P5/Combat Training System Government/Industry Team. The contractor shall accomplish identified tasks in accordance with the applicable provisions of this CES II Task Order SOW (referenced within this SOW) and the CES II SOW.

2.0 APPLICABLE DOCUMENTS. The following documents are applicable in the performance of this Task Order SOW, latest versions shall apply.

2.1 Most current TACTS/ACTS Sustainment and Enhancement Integrated Project Baseline (IPB)
2.2 TARIF CM Plan, Policy, and Processes
2.3 TARIF Libraries Policy and Process
2.4 TARIF Process Policies
2.5 SEG Charter & Processes
2.6 SPR Development Process
2.7 TARIF Configuration Management Procedure
2.8 TARIF Online Libraries Procedure
2.9 TARIF PPQA Process
2.10 TARIF Process Quality Assurance Process
2.11 TARIF Project Closure Process
2.12 TARIF Project Execution Process
2.13 TARIF Project Initialization Process
2.14 TARIF Project Planning Process
2.15 TARIF Project Tracking Procedure
2.16 TARIF Requirements Management Process
2.17 TARIF Documentation Standards
2.18 TARIF Library File Naming Standards
2.19 Security Procedures

3.0 REQUIREMENTS.

3.1 TACTS/ACTS Software Sustainment. The contractor shall sustain and maintain TACTS/ACTS/TCTS/P5CTS and Air Warrior ACTS software and hardware as required by the Government.

3.1.1 TARIF CCSs. The contractor shall sustain and maintain the TARIF CCS software by integrating enhancements, implementing modernizations, accomplishing minor upgrades, and correcting software code issues reported in Software Problem Reports (SPRs) and Software Trouble Reports (STRs). The contractor shall test modified software and subsystem hardware at the TARIF Facility following sustainment and maintenance tasks. The software and hardware will be the installed along with the necessary upgrades at various TACTS/ACTS/Air Warrior Air Force, Army and Navy ranges as a new baseline (see paragraph 4.2 of this SOW for list of ranges) after completing tests successfully. The common software baseline will be updated and delivered on a continuous basis, every 6 months. (Ref: CES II SOW 3.2, 3.3, 3.5, 3.7, 3.8, 3.9, 4.1.3, 4.2)

3.1.2 Joint Debriefing System (JDS). The contractor shall sustain and maintain the Joint Debriefing Subsystem (JDS) software and hardware by integrating enhancements, implementing modernizations, accomplishing minor upgrades, and correcting software code issues reported in Software Problem Reports (SPRs) and Software Trouble Reports (STRs). The software and hardware will be tested at the TARIF and a TARIF managed facility following integration of modified software modules or new hardware components. The software and if required hardware, will be the installed along with the necessary upgrades at the various Navy/Marine ranges and Air Force/Army ranges as required (see paragraph 4.2 of this SOW for list of potential ranges) after successful tests. The common software baseline will be updated and delivered on a continuous basis, every 6 months with the CCS software. (Ref: CES II SOW 3.2, 3.3, 3.5, 3.7, 3.8, 3.9, 4.1.3, 4.2)

3.1.3 CCS Software Baseline Maintenance. The contractor shall maintain separate software baselines as required by the Government for the Interoperable ranges Common set of CCS software, NTC Air Warrior (Fort Irwin, CA), Air Warrior II (Fort Polk, LA) and Nellis AFB, NV, if Nellis is upgraded with a TARIF PC CCS. (Ref: CES II SOW 3.2, 3.3, 3.5, 3.7, 3.8, 3.9, 4.1.3, 4.2)

3.2 Radar Acquisition Display System (RADS). The contractor shall sustain and maintain the TARIF Radar Acquisition Display System (RADS) software by integrating enhancements, implementing modernizations, accomplishing minor upgrades, and correcting software code issues reported in Software Problem Reports (SPRs) and Software Trouble Reports (STRs). The software and hardware will be tested at the TARIF and a TARIF managed facility following integration of modified software modules or new hardware components. The software and if required hardware, will be the installed along with the necessary upgrades at the various Navy/Marine ranges and Air Force/Army ranges as required (see paragraph 4.2 of this SOW for list of potential ranges) after successful tests. The common software baseline will be updated and delivered on a continuous basis, every 6 months with the CCS software. (Ref: CES II SOW 3.2, 3.3, 3.5, 3.7, 3.8, 3.9, 4.1.3, 4.2)

3.3 Navy TCTS and Air Force P5 CTS Programs Support. The contractor shall support the Navy TCTS and Air Force P5 CTS programs by providing in-sight into P5/TCTS contractor's design, development, testing, documentation, and software development; providing architectural distributive interface concepts; designing, coding, building, integrating, and testing non-high activity participant interface; and provide design, development, integration, and test to have the TACTS and ACTS ranges ready for interfacing and fielding to the TCTS. The contractor shall support the development/adaptation of a Red/Black security boundary separation implementation for interfaces that require red/black separation. (Ref: CES II SOW 3.2, 3.3, 3.5, 3.7, 3.8, 3.9, 3.10, 4.1.3, 4.2)

3.4 TENA. The contractor shall support the development of a Test Enabling Architecture (TENA) to TACTS Gateway and embed TENA object models and TENA native software into TACTS/TCTS and ACTS/P5 CTS subsystems for distributing data to geographic locations participating in joint training and T&E exercises and JNTC, Battlespace, Network Centric, and Time Critical Strike training and T&E demonstrations and exercises. (Ref: CES II SOW 3.10.8, 4.1.3, and 4.2)

3.5 DIS and HLA. The contractor shall provide DIS and HLA TACTS/TCTS and ACTS/P5 CTS subsystem interfaces as required for red-black trusted guard applications, data interfaces with virtual and constructive systems and subsystems such as virtual weapons simulations and aircraft cockpit simulators to support distributed mission concepts, demonstrations, and training and T&E exercises. (Ref: CES II SOW 3.10.8, 4.1.3, and 4.2)

3.6 Integration and Command and Control of Range Threat Simulation Systems

3.6.1 TARIF EW Server. The contractor shall provide an EW Server/Processor that will replace the EW functionality and range threat simulation system interface requirements in the common CCS. The EW Server/Processor will include the EW surface-to-air weapons simulations, an Integrated Air Defense System (IADS) simulation, and air-to-ground weapon simulations. The contractor shall provide manned and unmanned EW threat/EW Mux/EW Server interface upgrades, modernization, and enhancements for the EW Server, CCS, TCTS, and P5 CTS. (Ref: CES II SOW 3.1, 3.2, 3.3, 3.5, 3.7, 3.8, 3.9, 3.10.8, 4.1.3, and 4.2)

3.6.2 Ground Threat Simulation Systems Integration: The contractor shall provide EW ground threat simulation system operational assessment and integration engineering services. The contractor shall support the Government's efforts to integrate all types of ground threat simulation systems (old type threat systems that communicate via serial data links and newer threat simulation systems that communicate using Ethernet protocols) into TACTS/ACTS/TCTS/P5CTS subsystems. The contractor shall support the Government's efforts to monitor and command and control ground threat simulation systems from a mission monitoring or debriefing graphic workstation through the TARIF CCS and EW Server or a TCTS/P5CTS and the TARIF EW Server. (Ref: CES II SOW 3.1, 3.2, 3.3, 3.5, 3.7, 3.8, 3.9, 4.1.3, and 4.2)

3.6.3 EW/Directed Energy System/Concept Assessments and Integration: The contractor shall assist the TARIF Team with their tasks to assess Electronic Warfare and Directed Energy concepts and applications. The contractor shall also support TARIF tasks involving the integration of EW/Directed energy systems into TACTS/ACTS or test range operational environments. (Ref: CES II SOW 3.1, 3.2, 3.5, 3.7, 3.8, 4.1.3, and 4.2)

3.7 TACTS/ACTS/P5CTS/TCTS Weapon Simulations. The contractor shall provide new, enhanced, modified TACTS/ACTS and TCTS/P5CTS weapons simulations. Weapons simulations will leverage new weapon simulation interface architecture when possible. (Ref: CES II SOW 3.2, 3.5, 3.7, 3.3, 3.7, 3.9, 3.10.8, 4.1.3, and 4.2)

3.8 TACTS/ACTS/P5CTS/TCTS Aircraft Subsystem Data Integration Support

3.8.1 Combat Aircraft Communication Subsystem Test and Integration Support. The contractor shall provide Flight Test Engineers to combat aircraft organizations (F-18/AV8B, F-15, F-16, A-10, F22, and JSF) to support TARIF TACTS/ACTS/P5/TCTS software and hardware sustainment and enhancement efforts. The contractor's engineers shall support integration of enhancements, specifically the required integration of Link-16 and other advanced weapon and communications system data. They will assist the TARIF Team with their efforts to modernize the software, make minor upgrades to satisfy range operations requirements, and make corrections reported in Software Problem Reports (SPRs) and Software Trouble Reports (STRs). (Ref: CES II SOW 3.2, 3.3, 3.5, 3.8, 3.9, 4.1.3, and 4.2)

3.8.1.1 The contractor's engineers shall support the F-18 AWL F-18 weapon system and communications system testing by preparing flight cards for F-18 aircraft communications and weapon system testing during system software development and software performance validation and verification phases. They shall prepare and present test flight briefings as required by the Government. They shall ensure traceability of flight test results to test objectives. The contractor's engineers shall prepare and communicate flight test objectives to AWL management and flight crews. They shall develop and present operational requirements for live fire events. They shall develop flight test profiles and develop addendums to flight test plans and obtains F/A-18 AWL CTP approval for test flight profile changes. (Ref: CES II SOW 3.2, 3.3, 3.5, 3.7, 3.8, 3.9, 4.1.3, and 4.2)

3.8.2 F-18 Management Information Systems Analysis and Upgrade. The contractor shall provide subject matter experts to support the development of a web-based "online" management information system software application. The contractor shall assist the Government with their development of a MIS web based software application and its associated deliverables. (Ref: CES II SOW 3.2, 3.3, 3.5, 3.7, 3.8, 3.9, 4.1.3, and 4.2)

3.9 SEI CMMI. The contractor shall provide software engineering/development process improvement services using the SEI's Capability Maturity Model-Integrated (CMMI), Staged approach. (Ref: CES II SOW 3.5.9)

3.9.1 TARIF. The contractor shall participate in the TARIF's System Engineering Group (SEG), mini-SEGs, and process improvement projects and activities. The contractor shall document, inspect, and verify compliance with defined process areas leading to the achievement of a CMMI Level 3 maturity rating. (Ref: CES II SOW 3.5.9)

3.9.2 NAVAIR Software Resource Center (SRC). The contractor shall provide CMMI services as required to support the NAVAIR SRC define and develop process improvements within their numerous organizations. (Ref: CES II SOW 3.5.9)

3.10 Task Order Products. The following paragraphs identify the tasks and products required of the contractor. In all cases, the most current TACTS/ACTS Sustainment and Enhancement IPB with associated responsibilities and work levels shall apply (see Applicable Documents 2.1 through 2.19). The contractor shall adjust resources to comply with the monthly changing TACTS/ACTS Sustainment and Enhancement Microsoft Project IPB schedule. The contractor shall perform in accordance with the TARIF policies, processes, procedures, standards, and guidelines of paragraph 2.0. These documents detail the processes, criteria and oversight for software and hardware development for the following: Requirements Management, Project Management (initialization, planning, execution and tracking, and closure), System Engineering, CMMI Software sustainment process improvement, Configuration Management, Supplier Agreement Management, Process Quality Assurance, Documentation and Facility Security.

3.10.1 Requirements Management: The contractor shall complete requirements analysis/allocation, interface definition, and requirements management tasks in accordance with applicable documents 2.4-TARIF Process Policies, 2.12-TARIF Project Execution Process, 2.13-TARIF Project Initialization Process, 2.14-TARIF Project Planning Process, 2.15-TARIF Project Tracking Procedure, 2.16-TARIF Requirements Management Process, and 2.1 the most current TACTS/ACTS Upgrade and Sustainment MS Project Integrated Project Baseline (IPB). Products required from the requirements management tasks are original and derived requirements established in the TARIF Requirements Matrix System (RMS).

3.10.2 Project Management: The contractor shall complete project management tasks in accordance with applicable documents 2.4-TARIF Process Policies, 2.11 TARIF Project Closure Process, 2.12-TARIF Project Execution Process, 2.13-TARIF Project Initialization Process, 2.14-TARIF Project Planning Process, 2.15-TARIF Project Tracking Procedure, 2.16-TARIF Requirements Management Process and 2.1 the most current TACTS/ACTS Upgrade and Sustainment MS Project Integrated Project Baseline (IPB). Products required from the project management tasks are Project Management Plan (PMP) and/or Project Executive Summary, risk analysis, cost estimate, and schedule in MS Project in accordance with the templates in the TARIF library.

3.10.3 Configuration Management: The contractor shall complete configuration manage tasks in accordance with applicable documents 2.4-TARIF Process Policies, 2.2-TARIF Configuration Management Plan, Policy, and Processes, 2.5-SEG Charter and Processes, 2.6-SPR Development Process, 2.7-TARIF Configuration Management Procedures, and 2.1 the most current TACTS/ACTS Upgrade and Sustainment MS Project Integrated Project Baseline (IPB). Software configurable items for each project and task shall be identified and stated in each project's PMP.

3.10.4 SEI CMMI Process Improvement: The contractor shall complete CMMI process improvement tasks in accordance with applicable documents 2.3-TARIF Library Policy and Process, 2.4-TARIF Process Policies, 2.5-SEG Charter and Processes, 2.8-TARIF On-line Library Procedures, 2.17-TARIF Documentation Standard, 2.18-TARIF Library Naming Standard, and 2.1 the most current TACTS/ACTS Upgrade and Sustainment MS Project Integrated Project Baseline (IPB). Products expected from the SEG are approved baselines to be used for project software development; Revision Field Designators (RFDs); comments to draft process procedure, standard, guideline, and technical documents; and approvals of TARIF process, procedure, standards, and guidelines documents or templates.

3.10.5 Quality Assurance: The contractor shall complete quality assurance tasks in accordance with applicable documents 2.4-TARIF Process Policies, 2.9-TARIF PPQA Process, 2.10-TARIF Process QA Process, and 2.1 the most current TACTS/ACTS Upgrade and Sustainment MS Project Integrated Project Baseline (IPB). Products required from the quality assurance tasks are results of QA audits conducted on products of TARIF processes such as but not limited to required documents in the project folders, project initialization, project planning, project execution, project closure, requirements management, CM, subcontracting and consulting, measurement collection, materials purchase, and PMP.

3.10.6 Documentation: The contractor shall complete documentation tasks in accordance with applicable document 2.4-TARIF Process Policies, 2.17-TARIF Documentation Standard and 2.1 the most current TACTS/ACTS Upgrade and Sustainment MS Project Integrated Project Baseline (IPB). The contractor is not responsible for delivery of a complete documentation package, or any particular document. The contractor is part of the team that will create, update and review the documentation packages.

3.11 Facility Operations and Maintenance: The contractor shall perform the following, but not limited, tasks: maintain the TARIF LAN and all equipment attached to it, plan and implement TARIF facilities and hardware implementation and maintenance, and work with hardware and software vendors and TARIF personnel to select and acquire tools required by TARIF, and 2.1, the most current TACTS/ACTS Upgrade and Sustainment MS Project Integrated Project Baseline (IPB).

3.12 Systems Engineering: The contractor shall perform systems engineering processes tasks in accordance with applicable documents 2.3-TARIF Library Policy and Process, 2.4-TARIF Process Policies, 2.5-SEG Charter and Processes, 2.8-TARIF On-line Library Procedures, 2.17-TARIF Documentation Standard, 2.18-TARIF Library Naming Standard, and 2.1 the most current TACTS/ACTS Upgrade and Sustainment MS Project Integrated Project Baseline (IPB). Products expected from the SEG are approved baselines to be used for project software development; Revision Field Designators (RFDs); comments to draft process procedure, standard, guideline, and technical documents; and approvals of TARIF process, procedure, standards, and guidelines documents or templates.

3.13 Program Management: The contractor shall provide contract program management services as required to fully satisfy the tasks within this SOW.

4.0 Special Considerations

4.1 Government Furnished Items

4.1.1 Facilities: The contractor shall perform tasks at TARIF. The TARIF facility will be made accessible for use in performance of this Task Order. The Government will provide dedicated workspace. (Ref: CES II SOW 4.1.2)

4.1.2 Equipment: Authority is now being provided to include the shared use of the following items on this Task Order. The following items are needed for the performance of this Task Order and are being provided as shared items.

Laptop Computer GST082400618 with MS Project P3 Project Planner
Laptop Computer GSY082400605 with MS Project P3 Project Planner
HP660LX Palmtop PC SG82940906

4.2 Travel: The contractor will be required to travel in the performance of this Task Order. The Government estimates travel to consist of the travel called out in applicable document 2.1 the most current TACTS/ACTS Upgrade and Sustainment MS Project Integrated Project Baseline (IPB). The contractor is expected to adjust resources to comply with the monthly changing TACTS/ACTS Upgrade and Sustainment MS Project IPB, applicable document 2.1. (Ref: CES II SOW 4.2)

Over the life of the task order, the contractor may be required to travel to the following sites one or more times. Depending on the actual requirement, the Team traveling will vary mix wise (Government, contractor).

Locations where the contractor may travel to in the performance of his responsibilities are as follows: (Ref: CES II SOW 4.1.3)

US TACTS/ACTS Ranges (21)
Interop Ranges (Fallon, Yuma, Oceana, Cherry Point, Beaufort, Tyndall, Gulfport, Key West, Wisconsin)
Interop Remote Sites (El Centro, Miramar, Savannah, Ft. Stewart, Camp Lejeune, Homestead, Lemoore, Nellis)
Alaska Ranges (Elmendorf and Eielson)
Goldwater/Luke
UTTR (Hill)
US Training Ranges
UTTR (Hill)
Mountain Home
Cannon AFB
Texas Electronic Combat Ranges
Other Training, Test and Evaluation, and National Guard ranges as required by the Government
Patuxent River, MD, Hill AFB, UT, San Diego (Cubic, Protogate, etc.), Los Angeles area (GMM Interface Card Manufacturer)

Travel may be required to Canada, Egypt Australia and Taiwan as well

4.3 Material: The contractor will be required to procure material in the performance of this Task Order. The Government estimates material to consist of the material called out in applicable document 2.1 the most current TACTS/ACTS Upgrade and Sustainment MS Project Integrated Project Baseline (IPB). The contractor is expected to adjust resources to comply with the monthly changing TACTS/ACTS Upgrade and Sustainment MS Project IPB, applicable document 2.1

4.4 Security: The performance of this Task Order is classified at the level of Secret. The contractor shall perform physical security relative to classified material and facility security in accordance with applicable document 2.19 and CES II SOW paragraph 4.1.5.

4.5 Monthly Status Reports: In support of this task order, the contractor shall deliver a monthly Cost, Schedule and Status Report (C/SSR) in accordance with *CDRL A001*. The Contractor will deliver a monthly status report

that includes a summary of work performed per project and task, problems encountered, problems resolved, current schedules and information, including period and cumulative funds/hours expended. This report will be provided to the Technical Coordinator no later than 10 working days following the end of the Contractor's monthly accounting period.

4.6 Technical Coordinator:

Garon Harris
Code 539510D
Telephone: 939-2588
Fax number: 939-3719

Alternate Technical Coordinator:

Dave Baur
Code 535100D
Telephone: 939-0292
Fax number: 939-0279

4.7 Delivery Schedule: Work shall commence upon award of this task order. The delivery schedule will be based upon the most current TACTS/ACTS Upgrade and Sustainment MS Project Integrated Project Baseline (IPB).

4.8 Project Costs: The contractor shall provide Project Cost Report in accordance with paragraph 4.5 of this SOW.

TACTS /ACTS Update and Substainment Primavera Integrated Project Baseline (IPB)
Applicable Document 2.3 (Plan as of 28 Sep 05)
Dec 2005 thru 12 May 2008

SOW Para #	Activity ID	ACTIVITY TITLE	START	FINISH	Gov't Hrs Est	Quantity		Gov't Est
3.1.1	1.0	**TARIF PC CCS SW Sustainment**						
3.10.1	1.1	Requirements Management	5-Dec-05	12-May-08	40			
3.10.2	1.2	Project Mg't & Execution	5-Dec-05	12-May-08	930			
3.10.3	1.3	Configuration Management	5-Dec-05	12-May-08	40			
3.10.5	1.4	QA	5-Dec-05	12-May-08	20			
3.10.6	1.5	Documentation	5-Dec-05	12-May-08	80			
	1.6	Travel (3 people, 1 wk)	5-Dec-05	12-May-08		6		
	1.7	Material	5-Dec-05	12-May-08			$	50,000
		SUBTOTAL			**1,110**			
3.1.2	2.0	**Joint Debriefing System Software Sustainment**						
3.10.1	2.1	Requirements Management	5-Dec-05	12-May-08	160			
3.10.2	2.2	Project Management	5-Dec-05	12-May-08	7,960			
3.10.3	2.3	Configuration Management	5-Dec-05	12-May-08	80			
3.10.5	2.4	QA	5-Dec-05	12-May-08	40			
3.10.6	2.5	Documentation	5-Dec-05	12-May-08	160			
	2.6	Travel (3 people, 1 wk)	5-Dec-05	12-May-08		7		
	2.7	Material	5-Dec-05	12-May-08			$	50,000
		SUBTOTAL			**8,400**			
3.1.3		**TARIF CCS SW Baseline Maintenance**						
3.1.3	3.0	**TARIF Interop Ranges Common PC CCS SW Baseline**						
3.10.1	3.1	Requirements Management	5-Dec-05	12-May-08	40			
3.10.2	3.2	Project Management	5-Dec-05	12-May-08	465			
3.10.3	3.3	Configuration Management	5-Dec-05	12-May-08	20			
3.10.5	3.4	QA	5-Dec-05	12-May-08	12			
3.10.6	3.5	Documentation	5-Dec-05	12-May-08	80			
	3.6	Travel (3 people, 1 wk)	5-Dec-05	12-May-08		7		
	3.7	Material	5-Dec-05	12-May-08			$	50,000
		SUBTOTAL			**617**			
3.1.3	4.0	**Air Warrior I (Fort Irwin, CA) PC CCS SW Baseline**						
3.10.1	4.1	Requirements Management	5-Dec-05	12-May-08	40			
3.10.2	4.2	Project Management	5-Dec-05	12-May-08	465			
3.10.3	4.3	Configuration Management	5-Dec-05	12-May-08	20			
3.10.5	4.4	QA	5-Dec-05	12-May-08	12			
3.10.6	4.5	Documentation	5-Dec-05	12-May-08	80			
	4.6	Travel (3 people, 1 wk)	5-Dec-05	12-May-08		7		
	4.7	Material	5-Dec-05	12-May-08			$	15,000
		SUBTOTAL			**617**			
3.1.3	5.0	**Air Warrior II (Fort Polk, LA) PC CCS SW Baseline**						
3.10.1	5.1	Requirements Management	5-Dec-05	12-May-08	80			
3.10.2	5.2	Project Management	5-Dec-05	12-May-08	2,360			

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SOW Para #	Activity ID	ACTIVITY TITLE	START	FINISH	Gov't Hrs Est	Quantity		Gov't Est
3.10.3	5.3	Configuration Management	5-Dec-05	12-May-08	80			
3.10.5	5.4	QA	5-Dec-05	12-May-08	40			
3.10.6	5.5	Documentation	5-Dec-05	12-May-08	160			
	5.6	Travel (3 people, 1 wk)	5-Dec-05	12-May-08		7		
	5.7	Material	5-Dec-05	12-May-08			$	50,000
		SUBTOTAL			**2,720**			
3.1.3	6.0	**Nellis TARIF PC CCS SW Baseline**						
3.10.1	6.1	Requirements Management	5-Dec-05	12-May-08	160			
3.10.2	6.2	Project Mg't & Execution	5-Dec-05	12-May-08	1,860			
3.10.3	6.3	Configuration Mg't	5-Dec-05	12-May-08	80			
3.10.5	6.4	QA	5-Dec-05	12-May-08	40			
3.10.6	6.5	Documentation	5-Dec-05	12-May-08	160			
	6.6	Travel (3 people, 1 wk)	5-Dec-05	12-May-08		10		
	6.7	Material	5-Dec-05	12-May-08			$	150,000
		SUBTOTAL			**2,300**			
3.2	7.0	**RADS SW Baseline Sustainment**						
3.10.1	7.1	Requirements Management	5-Dec-05	12-May-08	80			
3.10.2	7.2	Project Mg't & Execution	5-Dec-05	12-May-08	2,800			
3.10.3	7.3	Configuration Mg't	5-Dec-05	12-May-08	80			
3.10.5	7.4	QA	5-Dec-05	12-May-08	40			
3.10.6	7.5	Documentation	5-Dec-05	12-May-08	160			
	7.6	Travel (2 people, 1 wk)	5-Dec-05	12-May-08		7		
	8.7	Material	5-Dec-05	12-May-08			$	50,000
		SUBTOTAL			**3,160**			
3.3	8.0	**TCTS/P5 Support**						
3.10.1	8.1	Requirements Management	5-Dec-05	12-May-08	80			
3.10.2	8.2	Project Mg't & Execution	5-Dec-05	12-May-08	1,395			
3.10.3	8.3	Configuration Mg't	5-Dec-05	12-May-08	40			
3.10.5	8.4	QA	5-Dec-05	12-May-08	40			
3.10.6	8.5	Documentation	5-Dec-05	12-May-08	160			
	8.6	Travel (1 person, 1 wk)	5-Dec-05	12-May-08		20		
	8.7	Material	5-Dec-05	12-May-08			$	15,000
		SUBTOTAL			**1,715**			
3.4	9.0	**TENA**						
3.10.1	9.1	Requirements Management	5-Dec-05	12-May-08	80			
3.10.2	9.2	Project Mg't & Execution	5-Dec-05	12-May-08	1,138			
3.10.3	9.3	Configuration Mg't	5-Dec-05	12-May-08	80			
3.10.5	9.4	QA	5-Dec-05	12-May-08	40			
3.10.6	9.5	Documentation	5-Dec-05	12-May-08	160			
	9.6	Travel (1 person, 1 wk)	5-Dec-05	12-May-08		12		
	9.7	Material	5-Dec-05	12-May-08			$	50,000
		SUBTOTAL			**1,498**			

TACTS /ACTS Update and Substainment Primavera Integrated Project Baseline (IPB)
Applicable Document 2.3 (Plan as of 28 Sep 05)
Dec 2005 thru 12 May 2008

SOW Para #	Activity ID	ACTIVITY TITLE	START	FINISH	Gov't Hrs Est	Quantity	Gov't Est
3.5	10.0	**DIS/HLA**					
3.10.1	10.1	Requirements Management	5-Dec-05	12-May-08	80		
3.10.2	10.2	Project Mg't & Execution	5-Dec-05	12-May-08	930		
3.10.3	10.3	Configuration Mg't	5-Dec-05	12-May-08	40		
3.10.5	10.4	QA	5-Dec-05	12-May-08	35		
3.10.6	10.5	Documentation	5-Dec-05	12-May-08	160		
	10.6	Travel (1 person, 1 wk)	5-Dec-05	12-May-08		4	
	10.7	Material	5-Dec-05	12-May-08			$ 50,000
		SUBTOTAL			**1,245**		
3.6	11.0	**Integration, Command, Control of Range Threat Simulation Systems**					
3.10.1	11.1	Requirements Management	5-Dec-05	12-May-08	80		
3.10.2	11.2	Project Mg't & Execution	5-Dec-05	12-May-08	1,395		
3.10.3	11.3	Configuration Mg't	5-Dec-05	12-May-08	160		
3.10.5	11.4	QA	5-Dec-05	12-May-08	40		
3.10.6	11.5	Documentation	5-Dec-05	12-May-08	80		
	11.6	Travel (1 person, 1 wk)	5-Dec-05	12-May-08		5	
	11.7	Material	5-Dec-05	12-May-08			$ 250,000
		SUBTOTAL			**1,755**		
3.7	12.0	**Weapons Simulations**					
3.10.1	12.1	Requirements Management	5-Dec-05	12-May-08	160		
3.10.2	12.2	Project Mg't & Execution	5-Dec-05	12-May-08	1,395		
3.10.3	12.3	Configuration Mg't	5-Dec-05	12-May-08	80		
3.10.5	12.4	QA	5-Dec-05	12-May-08	80		
3.10.6	12.5	Documentation	5-Dec-05	12-May-08	160		
	12.6	Travel (1 person, 1 wk)	5-Dec-05	12-May-08		6	
	12.7	Material	5-Dec-05	12-May-08			$ 15,000
		SUBTOTAL			**1,875**		
3.8	13.0	**F-18/AV8B Aircraft Subsystem Integration Support**					
3.10.1	13.1	Requirements Management	5-Dec-05	12-May-08	160		
3.10.2	13.2	Project Mg't & Execution	5-Dec-05	12-May-08	6,327		
3.10.3	13.3	Configuration Mg't	5-Dec-05	12-May-08	0		
3.10.5	13.4	QA	5-Dec-05	12-May-08	84		
3.10.6	13.5	Documentation	5-Dec-05	12-May-08	350		
	13.6	Travel (2 people, 1 wk)	5-Dec-05	12-May-08		12	
	13.7	Material	5-Dec-05	12-May-08			$ 15,000
		SUBTOTAL			**6,921**		
3.9	14.0	**Software Sustainment Process Improvement IAW SEI CMMI Model**					
3.10.1	14.1	Requirements Management	5-Dec-05	12-May-08	160		
3.10.2	14.2	Project Mg't & Execution	5-Dec-05	12-May-08	1,860		
3.10.3	14.3	Configuration Mg't	5-Dec-05	12-May-08	0		
3.10.5	14.4	QA	5-Dec-05	12-May-08	160		
3.10.6	14.5	Documentation	5-Dec-05	12-May-08	1,395		
	14.6	Travel (2 people, 1 wk)	5-Dec-05	12-May-08		4	
	14.7	Material	5-Dec-05	12-May-08			$ 5,000
		SUBTOTAL			**3,575**		

TACTS /ACTS Update and Substainment Primavera Integrated Project Baseline (IPB)
Applicable Document 2.3 (Plan as of 28 Sep 05)
Dec 2005 thru 12 May 2008

SOW Para #	Activity ID	ACTIVITY TITLE	START	FINISH	Gov't Hrs Est	Quantity	Gov't Est
3.1.1	15.0	**5.12 Release**					
3.10.1	15.1	Requirements Management	5-Dec-05	30-May-06	35		
3.10.2	15.2	Project Mg't & Execution	5-Dec-05	30-May-06	1,607		
3.10.3	15.3	Configuration Mg't	5-Dec-05	30-May-06	100		
3.10.5	15.4	QA	5-Dec-05	30-May-06	9		
3.10.6	15.5	Documentation	5-Dec-05	30-May-06	35		
	15.6	Travel (1 person, 1 wk)	5-Dec-05	30-May-06		3	
	15.7	Material	5-Dec-05	30-May-06			$ 10,000
		SUBTOTAL			**1,786**		
3.1.1	16.0	**5.13 Release**					
3.10.1	16.1	Requirements Management	1-Jun-06	30-Nov-06	35		
3.10.2	16.2	Project Mg't & Execution	1-Jun-06	30-Nov-06	1,607		
3.10.3	16.3	Configuration Mg't	1-Jun-06	30-Nov-06	100		
3.10.5	16.4	QA	1-Jun-06	30-Nov-06	9		
3.10.6	16.5	Documentation	1-Jun-06	30-Nov-06	35		
	16.6	Travel (1 person, 1 wk)	1-Jun-06	30-Nov-06		3	
	16.7	Material	1-Jun-06	30-Nov-06			$ 10,000
		SUBTOTAL			**1,786**		
3.1.1	17.0	**5.14 Release**					
3.10.1	17.1	Requirements Management	1-Dec-05	12-May-08	35		
3.10.2	17.2	Project Mg't & Execution	1-Dec-05	12-May-08	1,637		
3.10.3	17.3	Configuration Mg't	1-Dec-05	12-May-08	70		
3.10.5	17.4	QA	1-Dec-05	12-May-08	9		
3.10.6	17.5	Documentation	1-Dec-05	12-May-08	35		
	17.6	Travel (1 person, 1 wk)	1-Dec-05	12-May-08		3	
	17.7	Material	1-Dec-05	12-May-08			$ 10,000
		SUBTOTAL			**1,786**		
3.1.1	18.0	**5.15 Release**					
3.10.1	18.1	Requirements Management	1-Jun-07	30-Nov-07	35		
3.10.2	18.2	Project Mg't & Execution	1-Jun-07	30-Nov-07	1,637		
3.10.3	18.3	Configuration Mg't	1-Jun-07	30-Nov-07	70		
3.10.5	18.4	QA	1-Jun-07	30-Nov-07	9		
3.10.6	18.5	Documentation	1-Jun-07	30-Nov-07	35		
	18.6	Travel (1 person, 1 wk)	1-Jun-07	30-Nov-07		3	
	18.7	Material	1-Jun-07	30-Nov-07			$ 10,000
		SUBTOTAL			**1,786**		
3.1.1	19.0	**5.16 Release**					
3.10.1	19.1	Requirements Management	1-Dec-07	12-May-08	35		
3.10.2	19.2	Project Mg't & Execution	1-Dec-07	12-May-08	1,637		
3.10.3	19.3	Configuration Mg't	1-Dec-07	12-May-08	70		
3.10.5	19.4	QA	1-Dec-07	12-May-08	9		
3.10.6	19.5	Documentation	1-Dec-07	12-May-08	35		
	19.6	Travel (1 person, 1 wk)	1-Dec-07	12-May-08		3	
	19.7	Material	1-Dec-07	12-May-08			$ 10,000
		SUBTOTAL			**1,786**		

TACTS /ACTS Update and Substainment Primavera Integrated Project Baseline (IPB)
Applicable Document 2.3 (Plan as of 28 Sep 05)
Dec 2005 thru 12 May 2008

SOW Para #	Activity ID	ACTIVITY TITLE	START	FINISH	Gov't Hrs Est	Quantity		Gov't Est
3.11	21.0	**Facility O&M**	1-Dec-05	12-May-08	3,129			
		Material				0	$	55,882
		SUBTOTAL						
3.12	22.0	**System Engineering**	1-Dec-05	12-May-08	782			
		Travel (4 people, 1 wk)	1-Dec-05	12-May-08		6		
		Material					$	50,000
		SUBTOTAL						
3.13	22.0	**PROGRAM MANAGEMENT**	1-Dec-05	12-May-08	2,738			
		Travel (1 person, 1 wk)				6		
		SUBTOTAL						
		TARIF Administrative Support						
		SUBTOTAL						
		TARIF Financial Analyst						
		SUBTOTAL						
		TOTAL			**53,088**	**141**	**$**	**970,882**

LEVEL OF EFFORT
FOR
COMBAT ENVIRONMENT SIMULATION - TARIF
TACTS/ACTS SOFTWARE SUSTAINMENT & ENHANCEMENT
CES CONTRACT N68936-04-D-0019
ORDER 0005

STARTS EFFECTIVE DATE OF ORDER END MAY 12, 2008 DIRECT LABOR CATEGORIES	HOURS
PROJECT MANAGER	2,439
SENIOR EW ENGINEER	1,040
SENIOR TACTS/ACMI ENGINEER	8,125
TACTS/ACMI ENGINEER	6,999
SENIOR FINANCIAL ANALYST	-
CONTRACT MANAGEMENT SPECIALIST	-
GPS SYSTEM ANALYST/PROJECT MANAGER	-
SYSTEM ENGINEER	3,129
COMPUTER SYSTEMS ENGINEER	3,180
SENIOR ELECTRONIC ENGINEER	-
EW THREAT SYSTEMS ENGINEER	4,390
SENIOR SOFTWARE ENGINEER	6,258
SENIOR SOFTWARE ENGINEER	-
DIGITAL DATA COMMUNICATIONS ENGINEER	-
TRANSMITTER ENGINEER	-
DIGITAL SIGNAL PROCESSING ENGR	-
MECHANICAL ENGINEER	-
CONTROL SYSTEMS ENGINEER	-
SOFTWARE ENGR/SYSTEMS ANALYST	-
TEST ENGINEER	-
COMPUTER PROGRAMMER	3,129
ILS SPECIALIST	-
TECHNICAL WRITER	-
CONFIGURATION DATA MGR	-
DATA MANAGEMENT SPECIALIST	-
DRAFTSMAN	-
ELECTRONICS TECHNICIAN	-
FIELD ENGR/TECHNICIAN	4,923
SECRETARY/CLERICAL	89
INSTURMENTATION/ELEC ENGR	-
ELECTRONICS TECH TROUBLESHOOTER	-
FINANICAL ANALYST	3,129
FLIGHT TEST ENGINEER	6,258
	-
TOTAL HOURS	53088
KEY PERSONNEL	

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA. 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP TM OTHER:

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
TARIF	N68936-04-D-0019/0005	Tybrin

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A001	**Program Progress Report**	**Monthly Status Report**

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-80555	**SOW Para 4.5**	**NAWCWD 539510D**

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	N/A	MTHLY	35 DARO
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
N/A		0	EOM+ 10 DAYS

Block 4: Tailor DID as follows: Contractor format authorized provided that the DID is used as a guideline.

Block 14: Submission of this report by electronic mail is preferable. Garon.Harris@navy.mil and Rosemarie.Vorwerk@navy.mil.

Submit on magnetic media, format to be agreed upon between the Government and the Contractor prior to submittal of this data item.

/

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
NAWC: 539510D	0	1	0
NAWC: 2542000D	0	1	0
NAWC: 535D00D	0	1	0
15. TOTAL →	0	3	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Naval Air Warfare Center Weapons Division China Lake, CA 93555	9/26/05	Rosemarie D. Vorwerk	9/27/05

DD Form 1423-1, 1 Jun 9090

DATA ITEM DESCRIPTION

Form Approved
OMB No. 0704-0188

2. TITLE	1. IDENTIFICATION NUMBER
PROGRAM PROGRESS REPORT	DI-MGMT-80555

3. DESCRIPTION / PURPOSE

3.1 The Program Progress Report provides the Government with the means to evaluate and monitor the progress made by the contractor of tasks in accomplishing the goals established for the program.

4. APPROVAL DATE (YYMMDD)	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)	6a. DTIC APPLICABLE	6b. GIDEP APPLICABLE
880330	G/T213		

7. APPLICATION / INTERRELATIONSHIP

7.1 This data item description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the contract.

7.2 This DID is applicable when the monitoring of the progress of a program is required on a periodic basis.

7.3 This DID supersedes DI-E-5009A, DI-E-5038A, and DI-A-5023.

8. APPROVAL LIMITATION	9a. APPLICABLE FORMS	9b. AMSC NUMBER
		G4365

10. PREPARATION INSTRUCTIONS

10.1 Format. The Program Progress Report shall be in contractor's format.

10.1.1 Title page. The title page shall contain the following:

10.1.1.1 Title. The title shall identify the subject of the report, program name, or task.

10.1.1.2 Name of contractor. The name of the contractor preparing the report.

10.1.1.3 Contract number. The procurement instrument identification number.

10.1.1.4 Key person. The individual assigned to the task or who produced the report.

10.1.1.5 Reporting Period. The dates the reporting period begins and ends.

10.1.2 Page size. The report shall be on 8 1/2 x 11 inch or metric size A4 paper and typewritten or otherwise duplicated in nonfading ink.

10.2 Content. The report shall contain the following:

10.2.1 Work summary. A brief summary of work performed during the reporting period providing positive or negative comments.

(Continued on page 2)

11. DISTRIBUTION STATEMENT

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

Block 10, Preparation Instructions (Continued)

10.2.2 Schedule. A statement as to whether task or program is on schedule and if not, efforts planned to meet schedule shall be explained.

10.2.3 Studies. Discussion of all studies conducted during the reporting period and the results.

10.2.4 Experimental work/test procedures. An explanation of experimental work accomplished, description of test procedures applied (cite applicable military specification, paragraph number and test parameters), results of test and conclusions determined.

10.2.5 Designs. A description and illustration of all designs produced, along with required changes made to a previous design and a brief statement of any problems encountered.

10.2.6 Test equipment. Description, nomenclature and serial number of all test equipments used on the project including appropriate schematic or block diagrams.

10.2.6.1 List the serial number of all equipment(s) subjected to the testing.

10.2.6.2 Provide a brief description of all special test equipment designed or constructed for use on the project including appropriate schematic or block diagrams.

10.2.7 Test performed. Identification and description of all test(s) performed (cite applicable military specification, paragraph number, and test parameters).

10.2.7.1 Provide control settings of the test sample.

10.2.7.2 Resolutions of measurement equipment and range of input signals.

10.2.8 Failures. A brief explanation of any failures associated with test and appropriate, photographs, sketches, etc. to show failures, their causes or other unusual conditions.

10.2.9 Difficulties/problems. Describe any difficulties or problems encountered or which previously existed which could alter the progression of work along with recommendations of resolution.

10.2.10 Plan. Steps followed during execution of tasks.

10.2.11 Completion dates. Projected completion dates for each task.

10.2.12 Percentage. Percentage of task completed to date and percentage of allocated funds expended on tasks.

10.2.13 Additional information. Other information which may cause a significant change in the work schedule.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 11

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO.	2. DELIVERY ORDER/ CALL NO.	3. DATE OF ORDER/CALL (YYYYMMMDD)	4. REQ./ PURCH. REQUEST NO.	5. PRIORITY
N68936-04-D-0019	0006	2007 Mar 27	See Schedule	

6. ISSUED BY CODE N68936
CDR NAWCWD CODE 220000D
ATTN: B. MONCKTON
(760) 939-8234
429 E BOWEN RD - STOP 4015
CHINA LAKE CA 93555-6108

7. ADMINISTERED BY *(if other than 6)* CODE S0101A
DCMA BIRMINGHAM
1910 THIRD AVENUE NORTH
SUITE 201
BIRMINGHAM AL 35203-3514

8. DELIVERY FOB
[X] DESTINATION
[ ] OTHER
(See Schedule if other)

9. CONTRACTOR CODE 1H996 FACILITY
NAME AND ADDRESS
TYBRIN CORPORATION
JOE JAMES
1030 TITAN COURT
FORT WALTON BEACH FL 32547

10. DELIVER TO FOB POINT BY (Date) *(YYYYMMMDD)*
SEE SCHEDULE

11. MARK IF BUSINESS IS
[ ] SMALL
[ ] SMALL DISADVANTAGED
[ ] WOMEN-OWNED

12. DISCOUNT TERMS

13. MAIL INVOICES TO THE ADDRESS IN BLOCK
See Item 15

14. SHIP TO CODE
SEE SCHEDULE

15. PAYMENT WILL BE MADE BY CODE HQ0338
DFAS - COLUMBUS CENTER
SOUTH ENTITLEMENT OPERATIONS
PO BOX 182264
COLUMBUS OH 43218-2264

MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.

16. TYPE OF ORDER
DELIVERY/CALL [X] This delivery order/call is issued on another Government 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 (YYYYMMMDD)

[X] If this box is marked, supplier must sign Acceptance and return the following number of copies: 1

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
TEL: (760) 939-6043
EMAIL: mary.jacobs@navy.mil
BY: MARY K. JACOBS
Mary Jacobs
CONTRACTING / ORDERING OFFICER

25. TOTAL $6,791,388.00
26. DIFFERENCES

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

b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE | c. DATE (YYYYMMMDD) | d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE

e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE

f. TELEPHONE NUMBER | g. E-MAIL ADDRESS

36. I certify this account is correct and proper for payment.
a. DATE (YYYYMMMDD) | b. SIGNATURE AND TITLE OF CERTIFYING OFFICER

28. SHIP NO. | 29. DO VOUCHER NO. | 30. INITIALS

31. PAYMENT
[ ] PARTIAL
[ ] FINAL

32. PAID BY

33. AMOUNT VERIFIED CORRECT FOR

34. CHECK NUMBER

35. BILL OF LADING NO.

37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMMDD)	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		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED
EXERCISED OPTION	COMBAT ENVIRONMENT SIMULATION - OPTION ONE CPAF Under CLIN 0003 of Basic Contract. In accordance with Statement of Work "Support of Tri-Service Global Position System Sustainment Management Office & Foreign Military Sale." FOB: Destination PURCHASE REQUEST NUMBER: 0010200819				
				MAX COST	$3,717,094.00
				BASE FEE	$24,186.00
				SUBTOTAL MAX COST + BASE	$3,741,280.00
				MAX AWARD FEE	$38,063.00
				TOTAL MAX COST + FEE	$3,779,343.00

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000101		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED
EXERCISED OPTION	FOR NAVY ACCOUNTING PURPOSES ONLY CPAF SMO. WSMR GPS. In accordance with Statement of Work. FOB: Destination MILSTRIP: ATEC07820 PURCHASE REQUEST NUMBER: 0010210148				
	ACRN AA CIN: 001021014800001				$79,700.00

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000102		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED
EXERCISED OPTION	FOR NAVY ACCOUNTING PURPOSES ONLY CPAF SMO. Tybrin Oversight. In accordance with Statement of Work. Edwards. FOB: Destination MILSTRIP: F1S0BA7031G003 PURCHASE REQUEST NUMBER: 0010210271				
	ACRN AB CIN: 001021027100001				$20,000.00

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000103		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED
EXERCISED OPTION	FOR NAVY ACCOUNTING PURPOSES ONLY CPAF SMO. GPS instrumentation. In accordance with Statement of Work. Eglin. FOB: Destination MILSTRIP: F1T0BH7060G002 PURCHASE REQUEST NUMBER: 0010210457				
	ACRN AC CIN: 001021045700001				$203,122.92

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000104		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

EXERCISED OPTION

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
SMO. GPS instrumentation. In accordance with Statement of Work. Eglin.
FOB: Destination
MILSTRIP: F1T0BH7060G001
PURCHASE REQUEST NUMBER: 0010210457

ACRN AD $37,628.73
CIN: 001021045700002

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000105		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

EXERCISED OPTION

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
SMO. Airborne Instrumentation GPS Support. For VTUAV Program. In accordance with Statement of Work. NAVAIR.
FOB: Destination
MILSTRIP: N0001907WX00348
PURCHASE REQUEST NUMBER: 0010211229

ACRN AE $103,833.31
CIN: 001021122900001

ITEM NO	SUPPLIES/SERVICES	AMOUNT
0002	DATA REQUIREMENTS	NSP

Data For CLIN 0001. In accodance with CLIN 0004 and Exhibit A, Contract Data Requirements List of Basic Contract.
NSP - Not Separately Priced.

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0003		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

EXERCISED OPTION

COMBAT ENVIRONMENT SIMULATION - OPTION TWO
CPAF
Under CLIN 0005 of Basic Contract. In accordance with Statement of Work "Support of Tri-Service Global Position System Sustainment Management Office & Foreign Military Sale."
FOB: Destination
PURCHASE REQUEST NUMBER: 0010200819

MAX COST	$2,935,911.00
BASE FEE	$30,096.00
SUBTOTAL MAX COST + BASE	$2,966,007.00
MAX AWARD FEE	$46,038.00
TOTAL MAX COST + FEE	$3,012,045.00

ITEM NO	SUPPLIES/SERVICES	AMOUNT
0004	DATA REQUIREMENTS	NSP

Data For CLIN 0003. In accodance with CLIN 0006 and Exhibit A, Contract Data Requirements List of Basic Contract.
NSP - Not Separately Priced.

NOTE

BASE FEE AND AWARD FEE FOR LEVEL-OF-EFFORT ORDER (CLIN 0001)

In accordance with the basic contract, base fee shall for work performed under this order is

CLIN	Base Fee Amount	Hours Per Level of Effort	
0001	$24,186	8,700	**$2.78**

provided that the maximum number of direct labor hours are expended.

The nature of the work under this task order is level-of-effort. As such, milestones defining specific outcomes cannot be defined in terms of quantity and schedule with any certainty. Funding will be obtained from a variety of sources as work is required. Therefore, the award fee pool available in any given evaluation period will be associated with the level-of-effort expended during that period.

First award fee period will be from date of award to Sep 30, 2007. Thereafter, award fee will be paid on a biannual (six month) basis (Oct 1 – Mar 31; Apr 1 – Sep 30). In addition to the base fee set forth herein, the contractor may earn and be paid all or a portion of an award fee not to exceed **$38,063** provided that approximately 8,700 direct labor hours are expended by the contractor. The maximum available award fee pool for any award fee period will be computed at the maximum rate of **$4.375** per direct hour invoiced by the contractor under the task order for the related award fee period. If less than 100% of the direct labor hours for the tasks are expended the fee shall be equitably reduced to reflect the reduction in work.

The Contractor is to set aside an award fee amount from each funding SLIN based on the level of effort for the associated task.

BASE FEE AND AWARD FEE FOR LEVEL-OF-EFFORT ORDER (CLIN 0003)

In accordance with the basic contract, base fee shall for work performed under this order is

CLIN	Base Fee Amount	Hours Per Level of Effort	
0003	$30,096	10,523	**$2.86**

provided that the maximum number of direct labor hours are expended.

The nature of the work under this task order is level-of-effort. As such, milestones defining specific outcomes cannot be defined in terms of quantity and schedule with any certainty. Funding will be obtained from a variety of sources as work is required. Therefore, the award fee pool available in any given evaluation period will be associated with the level-of-effort expended during that period.

First award fee period will be from date of award to Mar 31, 2006. Thereafter, award fee will be paid on a biannual (six month) basis (Oct 1 – Mar 31; Apr 1 – Sep 30). In addition to the base fee set forth herein, the contractor may earn and be paid all or a portion of an award fee not to exceed **$46,038** provided that approximately 10,523 direct labor hours are expended by the contractor. The maximum available award fee pool for any award fee period will be computed at the maximum rate of **$4.375** per direct hour invoiced by the contractor under the task order for the related award fee period. If less than 100% of the direct labor hours for the tasks are expended the fee shall be equitably reduced to reflect the reduction in work.

The Contractor is to set aside an award fee amount from each funding SLIN based on the level of effort for the associated task.

This order is determined to be **NONSEVERABLE.**

In accordance with 52.244-2(e) SUBCONTRACTS of the basic contract, the Contracting Officer's written consent is required for subcontracts valued at **$20,000** or greater for this order. This consent is in effect until **Dec 14, 2007** unless revised by modification.

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	Destination	Government	Destination	Government
000101	Destination	Government	Destination	Government
000102	Destination	Government	Destination	Government
000103	Destination	Government	Destination	Government
000104	Destination	Government	Destination	Government
000105	Destination	Government	Destination	Government
0002	N/A	N/A	N/A	Government
0003	Destination	Government	Destination	Government
0004	N/A	N/A	N/A	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001	POP 27-MAR-2007 TO 30-NOV-2008	N/A	CDR NAWCWD CODE 531300D MARC KATRA 1 ADMINISTRATION CIRCLE MAIL STOP 1108 BUILDING 31448, ROOM 8 CHINA LAKE CA 93555-6100 (760) 939-5093 FOB: Destination	N68936
0002	POP 27-MAR-2007 TO 31-DEC-2008	N/A	N/A FOB: Destination	
0003	POP 01-DEC-2007 TO 30-NOV-2008	N/A	CDR NAWCWD CODE 531300D MARC KATRA 1 ADMINISTRATION CIRCLE MAIL STOP 1108 BUILDING 31448, ROOM 8 CHINA LAKE CA 93555-6100 (760) 939-5093 FOB: Destination	N68936
0004	POP 01-DEC-2007 TO 31-DEC-2008	N/A	N/A FOB: Destination	

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 9770400 3880 P79 40580 0 2574PT AM 0820S1 9TCA97RGPS01 2123
AMOUNT: $79,700.00
CIN 001021014800001: $79,700.00

AB: 5773600 2974 712 6606T S 7T6700 59 200658 07F503000F03 000
AMOUNT: $20,000.00
CIN 001021027100001: $20,000.00

AC: 5773600 2974 721 66459 7 7T6100 59 200647 59F503000F03 000
AMOUNT: $203,122.92
CIN 001021045700001: $203,122.92

AD: 5763600 2964 721 66459 7 005920 00 000647 59F503000F03 000
AMOUNT: $37,628.73
CIN 001021045700002: $37,628.73

AE: 97X4930 NH2C 252 77777 0 054219 2F 000000
COST CODE: 011852440190
AMOUNT: $103,833.31
CIN 001021122900001: $103,833.31

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment (1)	Statement of Work – Logistic & Engineering Support for Tri-Service GPS Sustainment Management Office & Foreign Military Sales	8	14DEC2006
Attachment (2)	Level Of Effort	2	8MAR2007
Attachment (3)	Integrated Project Baseline	14	6MAR2007

14Dec2006

STATEMENT OF WORK

FOR

LOGISTIC AND ENGINEERING SUPPORT

OF THE

TRI-SERVICE
GLOBAL POSITIONING SYSTEM
SUSTAINMENT MANAGEMENT OFFICE
&
FOREIGN MILITARY SALES

FSC: K058

Prepared By

GPS SMO, NAWCWPNS, China Lake, CA.

N68936-04-D-0019/0006
Attachment (1)

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1. **SCOPE:** This statement of work (SOW) is for logistic and engineering support of Global Positioning System (GPS) Based Range Instrumentation Equipment (GPS-BRIE) at Test & Evaluation and Training (T&T) ranges and authorized foreign military T&T ranges. The Government GPS Tri-Service Sustainment Management Office (GPS SMO) will provide oversight with the contractor providing the majority of the day-to-day management and operations.

1.1 Background. The Tri-Service GPS SMO at the Naval Air Warfare Center Weapons Division (NAWCWD) China Lake provides for long-term sustainment, logistic support, development of new systems and system upgrades/enhancements for a variety of GPS-BRIE fielded at DoD Tri-Service T&T Ranges and authorized foreign military T&T Ranges. The basic Combat Environment Simulation (CES) contract is the principal means for providing this support.

2.0 APPLICABLE DOCUMENTS

2.1 Advanced Range Data System (ARDS), Extended Area Test Range (EATS) SMOINST-AN/ARQ-52B (1-17)-01 Revision 2, 20 July 2004

2.2 ARDS/EATS Low Rate Initial Production (LRIP) Baseline Drawing Package.

2.3 ARDS/EATS Full Rate Production (FRP) Baseline Drawing Package.

2.4 Sustainment Management Office Depot Spares Program Plan, (Version 1), 14 November 2006.

2.5 Configuration Management Plan (CMP) and CCBD Operating Instruction (OI) for GPS Sustainment Management Office (SMO), (Version 1), 09 November 2006.

2.6 Sustainment Management Plan For GPS Range Equipment (Version 1), 16 November 2006.

2.7 Most Current GPS SMO Integrated Product Baseline (IPB)

2.8 CES II contract SOW, Sep 22, 2003

Documents 2.1, 2.4, 2.5, and 2.6 are "living documents" and will need to be updated as necessary. The contractor should submit proposed updates or changes to these documents via the Monthly Status Report (CDRL A003). Upon acceptance by the government, contractor will be asked to make agreed to updates or changes within 30 days of approval.

3.0 REQUIREMENTS

The Tri-Service T&T ranges utilize a variety of GPS–BRIE from commercial off-the-shelf (COTS) to fully military capable GPS equipment. The logistic and engineering support covered under this SOW will be for all GPS-BRIE utilized on each range. The COTS equipment includes survey equipment; vehicle tracking equipment; timing equipment; Course Acquisition Code Receiver (CACR) hardware; Reference Receivers (R/R's); and portable/handheld GPS equipment. Fully military capable GPS equipment includes systems such as the Advanced Range Data System (ARDS); the ARDS system utilizing the Extended Area Tracking System (EATS) transmitter; Tactical Air Combat Training Systems (TACTS); Air Combat Maneuvering Instrumentation (ACMI) systems; Large Area Tracking System (LATR); and the Precision Lightweight GPS Receiver (PLGR). The logistic support covered under this SOW also applies to all subsystems and ancillary equipment associated to the GPS–BRIE such as the data link control systems; data display systems; data processing systems; remote ground stations; and data link encryption systems such as the Range Encryption Module (REM).
The contractor shall provide GPS-BRIE logistic and engineering support which includes in-plant and on-site diagnosis, repair and engineering; upgrades; software engineering; training; configuration management; program management; web site design and maintenance; initial spares; design, develop, build and test new GPS based T&T ranges, including range support assets and infrastructure; design, develop, fabricate, install, integrate, and test GPS based test and training equipment to support weapons systems development, training, and operational testing at US and authorized foreign test and training ranges.

3.1 In-Plant Diagnostic and Repair. The contractor shall diagnose problems, repair all GPS-BRIE, perform modifications to the GPS-BRIE, and inspect and test the repaired GPS-BRIE. In performing a diagnosis of the malfunction, the contractor may find that the GPS-BRIE part(s) requiring repair/replacement are no longer available. The contractor shall identify a possible modification or alternate repair solution for the GPS part(s). Authorization for all repairs or modifications to be performed must be obtained from the Technical Coordinator (TC) unless otherwise authorized in the written work request. When requesting authorization to repair or modify the GPS-BRIE, the contractor shall provide the TC with a diagnosis of the repair or modification required to the GPS-BRIE, an estimated cost to repair or modify the GPS-BRIE, and an estimated completion time. The contractor may be required to provide a trade-off analysis of repair vs. replacement. This authorization shall be requested by electronic mail. If authorization for repair or modification is denied, the contractor shall return the GPS-BRIE to the appropriate range or specified point of shipment within 5 working days. When authorization for repair or modification is approved, the contractor shall proceed in accordance with this SOW. (CES SOW 3.6)

3.2 On-Site Diagnostic and Repair. The contractor shall provide on-site diagnostic, as required in individual work requests, for the isolation of hardware and/or software problems. This support shall provide the necessary effort to establish the origin of the malfunction. After diagnosis of the problem, the contractor may find that the GPS-BRIE part(s) requiring repair/replacement are no longer available. The contractor shall identify a possible modification or alternate repair solution for the GPS-BRIE. Authorization for repair must be obtained from the TC, for all GPS-BRIE unless otherwise authorized. The contractor shall provide the TC with a diagnosis of the repair or modification required and an estimated cost and schedule to repair or modify the GPS-BRIE. A contractor conducted trade-off analysis of repair vs. replacement may be required. If authorization for repair or modification is denied, the contractor's work will be considered complete.
When specified in individual written work requests, on-site repair of GPS-BRIE at the T&T range. When authorization for repair or modification is approved, the contractor shall complete the repair or modification required at the range. If repair cannot be accomplished at the range, arrangements will be made to send the repair item to the contractor's facility. The repair support shall include, as necessary, calibration and testing to ensure that the repair has corrected the problem.

3.3 Engineering. The contractor shall provide in-plant and on-site engineering support to the ranges as defined below. The government will define specific engineering support to be accomplished by the

contractor in written work requests. The contractor shall not agree to, or perform any type of engineering services requested by the participating T&T ranges unless specifically authorized and approved by the TC in written work requests. (CES SOW 3.2; 3.6; 3.7; 4.1)

The engineering support will consist of the following:

a. Provide information and training on any new hardware and/or software modification or design.

b. Undertake investigations related to GPS-BRIE performance and potential performance improvements.

c. Review, analyze, test and document changes to GPS instrumentation caused by hardware and/or software failures or the non-availability of parts as established in the hardware configuration baseline.

d. "Full time" or "part time" on-site field support that includes field level maintenance, diagnostics/repairs, flight-line operations, engineering analysis, and development of solutions to complex problems associated with a variety of GPS-BRIE and associated Data Link instrumentation equipment. The Government facility requesting the on-site field support will provide office space/equipment and telephone/internet connection at no cost to the contractor, on an as-required basis.

e. Design, develop, build, and test new test and evaluation ranges and training ranges including range support assets and infrastructure tied to GPS based instrumentation.

f. Design, develop, build, and test modifications to test and evaluation ranges and training ranges including range support assets and infrastructure tied to GPS based instrumentation. The contractor shall integrate new, existing, or modified hardware, software, or integrated hardware/software GPS systems and infrastructure assets into existing ranges.

3.4 GPS-BRIE Upgrades. The contractor shall provide hardware/software upgrades to GPS-BRIE as specified in written work requests. (CES SOW 3.2; 3.5; 3.7; 3.8)

3.5 Software. The contractor shall provide full programming capabilities, software problem reports, submittal/analysis, reloading unit software, distributing software for intermediate reloading as specified in individual written work requests. (CES SOW 3.1; 3.2; 3.3; 3.4; 3.5 – all subparagraphs)

3.6 Configuration Management. The contractor shall provide hardware/software configuration management on GPS-BRIE as specified by individual written work requests. The contractor may be required to provide additional configuration management on GPS commercial off-the-shelf equipment. Configuration Management shall be in accordance with the contractor submitted, and government approved Configuration Management Plan. The contractor shall establish and host Configuration Control Boards (CCB). The CCB membership will consist of government personnel from the Tri-Service ranges utilizing the SMO for logistic support. The CCB chairman will be a government person with the contractor being responsible for providing a person to fill the position of CCB Secretary. The government will provide final approval for all changes reviewed by the Configuration Control Boards. (CES SOW 3.11; 3.11.1; 3.11.3; 3.11.4)

3.7 Program Management. The contractor shall provide program management support to the SMO and its participating ranges to facilitate all aspects of the Tri-Service SMO day-to-day operations and interfaces. The contractor shall coordinate all GPS-BRIE repairs, maintenance, upgrades, and engineering support required by this task order. The contractor shall ensure the SMO web site and data bases are maintained and updated; represent the SMO at meetings and conferences as specified in individual written work requests; perform work request status tracking; track and generate monthly CDRL deliverables; manage depot spares programs on designated GPS systems; provide day-to-day management and oversight of all

Foreign Military Sales (FMS) cases assigned to the SMO for execution. The program management support provided will ensure all products and support delivered meet the terms and conditions of this task order and individual written work requests as applicable. (CES SOW 3.6, 3.11.1 thru 3.11.6)

3.8 Equipment and Materials. In accordance with written work requests, the contractor shall provide all equipment and/or parts required to support GPS system repair; modification; maintenance; upgrades; the design development and build-up of new test and training ranges; the design, development and build-up of modifications to test and training ranges. This shall include the design, development, manufacturing, installation and integration of all components required to repair the GPS-BRIE; hardware and software to implement new system capability; hardware and software to build up new test and training ranges; hardware and software to upgrade test and training ranges; replacement of obsolete system components; execute required GPS system upgrades and enhancements; obtaining initial sets of spares including consumable and repairable items for new GPS systems as they transition into the long term sustainment phase under the SMO; provide replacement spares for equipment determined to be beyond economical repair; and establish and/or maintain GPS-BRIE on-site parts kits. (CES SOW 3.1; 3.2; 3.6; 3.7; 3.8)

3.9 Web-based Server. The contractor shall establish a computer server accessible via the Internet by authorized SMO personnel and customers. The contractor shall maintain databases on the server for failure data, equipment repair status, shipping and receiving, work order tracking, including financial tracking of all work requests and contract actions. The government will provide the format for the required databases. The contractor shall compile failure data from all repairs to document the reliability of components of the GPS-BRIE. The contractor shall maintain and keep the database current. (CES SOW 3.11.6)

3.10 Depot Spares Program. The contractor shall conduct the day-to-day operation and maintenance of a depot spares program for various GPS systems and hardware suites supported by the SMO. Requests to maintain a depot spares program for individual GPS systems will be provided on a case-by-case basis in a written work request. The depot spares program shall include maintaining a bonded storeroom of government identified and authorized spare parts and issuing spares in accordance with a government approved depot spares program plan for each system identified in written work requests. The initial inventory of parts for each depot spares program supported, to include repairables and consumables, will be provided as government furnished equipment/material. (CES SOW 3.11.1)

4.0 SPECIAL CONSIDERATIONS

4.1 Travel. The contractor will be required to travel in the performance of this Task Order. The Government estimates travel to consist of the travel called out in the most current SMO Integrated Project Baseline (IPB). The contractor is expected to adjust resources to comply with the monthly changing SMO Integrated Project Baseline (IPB).

4.2 Security. The contractor shall ensure compliance with the DD Form 254 requirements. Performance under this task order may require a security clearance up to the level of Top Secret for personnel and a facility security clearance level of Secret. The security level for personnel and facilities will be established in the DD Form 254.

4.3 Data. In accordance with Paragraph 3.8 of this SOW, when applicable, the contractor shall provide production drawings, conceptual drawings, user manuals, maintenance manuals, source code, source code documentation and any other documentation required for configuration management baseline changes.

4.4 Rework on Repairs. The contractor at no additional cost to the Government shall rework any failure or malfunction that reoccurs within 90 days after the initial repair. The contractor shall be responsible for all costs associated with the rework under the following conditions. Failures requiring rework at no cost are defined as failures determined to be caused by the poor workmanship of the contractor or premature failures of components/subcomponents replaced on the initial repair that fail due to reasons other than misuse or abuse by the customer.

4.5 Shipping Costs. Costs associated with return of the GPS-BRIE from the contractor's facility to the appropriate range are chargeable directly to the pertinent work request and/or repair action. The contractor shall use the most expeditious and cost effective form of shipment unless otherwise specified in written work requests.

4.6 Condemnation. The contractor shall not condemn or authorize the condemnation of any GPS-BRIE without prior approval of the TC. A contractor conducted trade-off analysis of repair vs. replacement may be required. Once condemnation is authorized, the contractor shall follow the disposition instructions contained in the applicable written work request.

4.7 Work Requests. When each Tri-Service range has a requirement for GPS equipment for repair, logistic, and/or engineering support they will submit the requirement to the SMO in the Combat Environment Simulation Division. The SMO will determine if the requirement can be accomplished most cost efficiently by an in-house government/contractor team or by a subcontractor. In either case, the SMO will establish a cost and delivery schedule estimate to accomplish the requirement and provide the estimate to the Tri-Service range that requested the work. The range can accept or not accept the cost estimate. If the cost estimate is accepted, then the SMO will 1) obtain the funding from the range and obligate the funds on this task order, 2) prepare a work request, 3) give the in-house team or subcontractor the "go-head" to proceed with the task using the work request.

4.8 Technical Monitor: Error! Reference source not found.

5.0 DELIVERABLES

All work performed by the contractor under this task order will be initiated by written work requests from the Government. The contractor shall provide all data in accordance with the DD Form 1423, Contract Data Requirements List (CDRL A001, A002, A003, A004, and A005) unless the data is provided via databases on the server in accordance with SOW paragraph 3.9.). (CES SOW 3.6; 3.7; 3.11; 4.1)

5.1 Configuration Management Plan (CMP). The contractor shall provide the updated CMP 30 days after proposed changes requested via Monthly Status Report are accepted by the government in accordance with CDRL A001.

5.2 Depot Spares Program Plan (DSPP). The contractor shall provide the updated DSPP 30 days after proposed changes requested via Monthly Status Report are accepted by the government in accordance with CDRL A002.

5.3 Progress Status Report. The contractor shall provide progress status report in accordance with CDRL A003.

5.4 Sustainment Management Plan (SMP). The contractor shall provide the updated SMP 30 days after proposed changes requested via Monthly Status Report are accepted by the government in accordance with CDRL A004.

5.5 Advanced Range Data System (ARDS), Extended Area Test Range (EATS) SMOINST-AN/ARQ-52B. The contractor shall provide the updated document 30 days after proposed changes requested via Monthly Status Report are accepted by the government in accordance with CDRL A005.

6.0 RANGES. The requirements identified in this SOW will support GPS-BRIE at United States T&T ranges and authorized foreign military T&T ranges. These ranges are Tri-Service consisting of Navy, Air Force and Army ranges and include Foreign Military ranges. The initial set of ranges expected to require support under this SOW include:

- The Naval Air Warfare Center, Weapons Division, China Lake, CA
- The Naval Air Warfare Center, Weapons Division, Pt Mugu, CA

- The Naval Air Warfare Center, Aircraft Division, Patuxent River, MD
- Edwards Air Force Base, CA
- Eglin Air Force Base, FL
- Hill Air Force Base, UT
- Holloman Air Force Base, NM
- Ft. Huachuca, AZ
- White Sands Missile Range, NM
- Yuma Proving Ground, AZ
- b(4)

7.0 ACRONYMS

ACMI	Air Combat Maneuvering Instrumentation
ARDS	Advanced Range Data System
BRIE	Based Range Instrumentation Equipment
CACR	Course Acquisition Code Receiver
CES	Combat Environment Simulation
CMP	Configuration Management Plan
DSPP	Depot Spares Program Plan
EATS	Extended Area TES Range
GPS	Global positioning System
IPB	Integrated Product Baseline
LATR	Large Area Tracking System
PLGR	Precision Lightweight GPS Receiver
REM	Range Encryption Module
RR	Reference Receiver
SMO	Sustainment Management Office
SMP	Sustainment Management plan
SOW	Statement Of Work
TACTS	Tactical Air Combat Training Systems
TC	Technical Coordinator

LEVEL OF EFFORT
FOR
COMBAT ENVIRONMENT SIMULATION - SMO
CES CONTRACT N68936-04-D-0019
ORDER 0006

DIRECT LABOR CATEGORIES	CLIN 0001 HOURS	CLIN 0003 HOURS
	-	-
	-	-
TOTAL HOURS	8700	10523
KEY PERSONNEL		

b(4)

SOW Para #	Activity ID	ACTIVITY TITLE	START	FINISH	GOVT HRS ESTIMATE	QTY	GOVT ESTIMATE	Contractor Comments	Labor Categories	*Proposed Hours CLIN 0003	Proposed Labor Cost FBLR	Materials CLIN 0003
3.1	1.0	In-Plant Diagnostic and Repair	Feb-07	Nov-08	9,600				1.0 In-Plant Diagnostic and Repair			
		Travel 5 Day Trip w/1 Person	Feb-07	Nov-08		6		No Changes	Sub-Total:			0
3.2	2.0	On-Site Diagnostic and Repair	Feb-07	Nov-08	3,600				2.0 On-Site Diagnostic and Repair		$	
											$	
								Assumes requirements tied to obsolete component replacement programs			$	
								Same Comment			$	
								Same Comment			$	
		Travel 5 Day Trip w/1 Person	Feb-07	Nov-08		6		No Changes	Sub-Total:		$	
3.3	3.0	Engineering	Feb-07	Nov-08	9,960				3.0 Engineering			
											$	
											$	
											$	
								Same Comments as 2.0			$	
								Same Comment			$	
								Same Comment			$	
								Same Comment			$	
								Same Comment			$	
								Same Comment			$	
		Travel 5 Day Trip w/1 Person	Feb-07	Nov-08		6			Sub-Total:		$	
		Travel to Germany - 5 Day Trip w/1 Person	Feb-07	Nov-08		3		No Changes				
								No Changes				
3.4	4.0	GPS-BRIE Upgrades	Feb-07	Nov-08	1,920				4.0 GPS-BRIE Upgrades			
											$	
											$	
											$	
											$	
									Sub-Total:		$	
3.5	5.0	Software Services	Feb-07	Nov-08	8,000				5.0 Software Services			
									F		$	
									C		$	

b (4)

SOW Para #	Activity ID	ACTIVITY TITLE	START	FINISH	GOVT HRS ESTIMATE	QTY	GOVT ESTIMATE	Contractor Comments	Labor Categories	*Proposed Hours CLIN 0003	Proposed Labor Cost FBLR	Materials CLIN 0003
3.1	1.0	In-Plant Diagnostic and Repair	Feb-07	Nov-08	9,600				1.0 In-Plant Diagnostic and Repair			
											$	
											$	
											$	
											$	
											$	
									Sub-Total:		$	
3.6	6.0	Configuration Management.	Feb-07	Nov-08	1,920				6.0 Configuration Management.			
											$	
											$	
											$	
									Sub-Total:		$	
3.7	7.0	Program Management	Feb-07	Nov-08	7,200				7.0 Program Management			
											$	
											$	
											$	
											$	
											$	
											$	
									Sub-Total:		$	1
		Travel to ETMG Meetings, Location TBD, 4 Day Trip w/2 Person				4		No Changes				
		Travel to Germany - 5 Day Trip w/1 Person				3		No Changes				
		Travel to User Range, Location TBD - 5 Day Trip w/1 Person				18		No Changes				
3.8	8.0	Equipment and Material	Feb-07	Nov-08	960				8.0 Equipment and Material			
											$	
		GPS Hardware Repairs	Feb-07	Nov-08			$1,750,000				$	
		German FMS Hardware procurements	Feb-07	Nov-08			$650,000					$
		LATR Equipment/Upgrades	Feb-07	Nov-08			$600,000					$
		ARDS Parts/Equipment/Upgrades	Feb-07	Nov-08			$2,000,000					
		[redacted]	Feb-07	Nov-08			[redacted]					$
									Sub-Total:		$	$
3.9	9.0	Web-based Server	Feb-07	Nov-08	2,400				9.0 Web-based Server			
											$	
											$	
											$	
									Sub-Total:		$	
		Travel to User Range, Location TBD - 5 Day Trip w/1 Person				3		No Changes				
3.10	10.0	Depot Spares Program	Feb-07	Nov-08	920				10.0 Depot Spares Program			

b(4)

[redacted]

SOW Para #	Activity ID	ACTIVITY TITLE	START	FINISH	GOVT HRS ESTIMATE	QTY	GOVT ESTIMATE	Contractor Comments	Labor Categories	*Proposed Hours CLIN 0003	Proposed Labor Cost FBLR	Materials CLIN 0003
3.1	1.0	In-Plant Diagnostic and Repair	Feb-07	Nov-08	9,600				1.0 In-Plant Diagnostic and Repair			
											$	
											$	
											$	
									Sub-Total:		$	
		TOTAL			[redacted]	[redacted]	[redacted]					

b(4)

[redacted]

SOW Para #	Activity ID	ACTIVITY TITLE	START	FINISH	GOVT HRS ESTIMATE	QTY	GOVT ESTIMATE	Contractor Comments	Labor Categories	*Proposed Hours CLIN 0003	Proposed Labor Cost FBLR	Materials CLIN 0003
3.1	1.0	In-Plant Diagnostic and Repair	Feb-07	Nov-08	9,600				1.0 In-Plant Diagnostic and Repair			

[redacted]

SOW Para #	Activity ID	ACTIVITY TITLE	START	FINISH	GOVT HRS ESTIMATE	QTY	GOVT ESTIMATE	Contractor Comments	Labor Categories	*Proposed Hours CLIN 0003	Proposed Labor Cost FBLR	Materials CLIN 0003
3.1	1.0	In-Plant Diagnostic and Repair	Feb-07	Nov-08	9,600				1.0 In-Plant Diagnostic and Repair			

[redacted]

SOW Para #	Activity ID	ACTIVITY TITLE	START	FINISH	GOVT HRS ESTIMATE	QTY	GOVT ESTIMATE	Contractor Comments	Labor Categories	*Proposed Hours CLIN 0003	Proposed Labor Cost FBLR	Materials CLIN 0003
3.1	1.0	In-Plant Diagnostic and Repair	Feb-07	Nov-08	9,600				1.0 In-Plant Diagnostic and Repair			

N68936-04-D-0019

DELIVERY ORDER 0006

ATTACHMENT #3

PAGES 7 – 12 WITHHELD IN THEIR ENTIRETY

SOW Para #	Activity ID	ACTIVITY TITLE	START	FINISH	GOVT HRS ESTIMATE	QTY	GOVT ESTIMATE	Contractor Comments	Labor Categories	*Proposed Hours CLIN 0003	Proposed Labor Cost FBLR	Materials CLIN 0003
3.1	1.0	In-Plant Diagnostic and Repair	Feb-07	Nov-08	9,600				1.0 In-Plant Diagnostic and Repair			

* CLIN 0003 assumes 10 months - 1 Feb 07 to 30 Nov 07
** CLIN 0005 assumes 12 months - 1 Dec 07 to 30 Nov 08

**Proposed Hours CLIN 0005	Proposed Labor Cost FBLR	Materials CLIN 0005	Proposed Hours Total	Proposed Labor Cost FBLR Total	Materials Total

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 8

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO.	2. DELIVERY ORDER/ CALL NO.	3. DATE OF ORDER/CALL (YYYYMMMDD)	4. REQ./ PURCH. REQUEST NO.	5. PRIORITY
N68936-04-D-0019	0007	2007 May 30	0010212403	

6. ISSUED BY CODE N68936
CDR NAWCWD CODE 220000D
ATTN: B. MONCKTON
(760) 939-8234
429 E BOWEN RD - STOP 4015
CHINA LAKE CA 93555-6108

7. ADMINISTERED BY *(if other than 6)* CODE S0101A
DCMA BIRMINGHAM
1910 THIRD AVENUE NORTH
SUITE 201
BIRMINGHAM AL 35203-3514

8. DELIVERY FOB
[X] DESTINATION
[ ] OTHER
(See Schedule if other)

9. CONTRACTOR CODE 1H996 FACILITY
NAME AND ADDRESS
TYBRIN CORPORATION
JOE JAMES
1030 TITAN COURT
FORT WALTON BEACH FL 32547

10. DELIVER TO FOB POINT BY (Date) *(YYYYMMMDD)*
SEE SCHEDULE

11. MARK IF BUSINESS IS
[ ] SMALL
[ ] SMALL DISADVANTAGED
[ ] WOMEN-OWNED

12. DISCOUNT TERMS

13. MAIL INVOICES TO THE ADDRESS IN BLOCK
See Item 15

14. SHIP TO CODE
SEE SCHEDULE

15. PAYMENT WILL BE MADE BY CODE HQ0338
DFAS - COLUMBUS CENTER
SOUTH ENTITLEMENT OPERATIONS
PO BOX 182264
COLUMBUS OH 43218-2264

MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.

16. TYPE OF ORDER
DELIVERY/ CALL [X] This delivery order/call is issued on another Government 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 (YYYYMMMDD)

[X] If this box is marked, supplier must sign Acceptance and return the following number of copies: 1

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
TEL: (760) 939-6043
EMAIL: mary.jacobs@navy.mil
BY: MARY K. JACOBS
Mary Jacobs
CONTRACTING / ORDERING OFFICER

25. TOTAL $5,982,253.00
26. DIFFERENCES

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

b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE | c. DATE (YYYYMMMDD) | d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE

e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE

f. TELEPHONE NUMBER | g. E-MAIL ADDRESS

28. SHIP NO. | **29. DO VOUCHER NO.** | **30. INITIALS**

[ ] PARTIAL [ ] FINAL

31. PAYMENT
[ ] COMPLETE [ ] PARTIAL [ ] FINAL

32. PAID BY

33. AMOUNT VERIFIED CORRECT FOR

34. CHECK NUMBER

35. BILL OF LADING NO.

36. I certify this account is correct and proper for payment.
a. DATE (YYYYMMMDD) | b. SIGNATURE AND TITLE OF CERTIFYING OFFICER

37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMMDD)	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		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

CES II - TARIF ALASKA
CPAF
Under CLIN 0003 of Basic Contract. In accordance with Statement of Work "Alaska Air Combat Training System and Range Expansion Support."
FOB: Destination
PURCHASE REQUEST NUMBER: 0010212403

MAX COST	$2,233,036.00
BASE FEE	$22,699.00
SUBTOTAL MAX COST + BASE	$2,255,735.00
MAX AWARD FEE	$35,722.00
TOTAL MAX COST + FEE	$2,291,457.00

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000101		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
TARIF Alaska Start up. In accordance with Statement of Work.
FOB: Destination
PURCHASE REQUEST NUMBER: 0010212403

ACRN AA $10,000.00
CIN: 001021240300001

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0002		UNDEFINED			NSP

DATA
CPAF
In accordance with Contract Data Requirements List, Exhibit A.
NSP - Not Seperately Priced. FOB: Destination

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0003		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

CES II - TARIF ALASKA
CPAF
Under CLIN 0005 of Basic Contract. In accordance with Statement of Work "Alaska Air Combat Training System and Range Expansion Support."
FOB: Destination

MAX COST	$3,594,447.00
BASE FEE	$38,087.00
SUBTOTAL MAX COST + BASE	$3,632,534.00
MAX AWARD FEE	$58,262.00
TOTAL MAX COST + FEE	$3,690,796.00

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

DATA
CPAF
In accordance with Contract Data Requirements List Exhibit A.
NSP - Not Seperately Priced. FOB: Destination

SECTION B NOTE

BASE FEE AND AWARD FEE FOR LEVEL-OF-EFFORT ORDER (CLIN 0001)

In accordance with the basic contract, base fee shall for work performed under this order is

CLIN	Base Fee Amount	Hours Per Level of Effort	
0001	$22,699	8,165	**$2.78**

provided that the maximum number of direct labor hours are expended.

The nature of the work under this task order is level-of-effort. As such, milestones defining specific outcomes cannot be defined in terms of quantity and schedule with any certainty. Funding will be obtained from a variety of sources as work is required. Therefore, the award fee pool available in any given evaluation period will be associated with the level-of-effort expended during that period.

First award fee period will be from date of award to Sep 30, 2007. Thereafter, award fee will be paid on a biannual (six month) basis (Oct 1 – Mar 31; Apr 1 – Sep 30). In addition to the base fee set forth herein, the contractor may earn and be paid all or a portion of an award fee not to exceed **$35,722** provided that approximately 8,165 direct labor hours are expended by the contractor. The maximum available award fee pool for any award fee period will be computed at the maximum rate of **$4.375** per direct hour invoiced by the contractor under the task order for the related award fee period. If less than 100% of the direct labor hours for the tasks are expended the fee shall be equitably reduced to reflect the reduction in work.

The Contractor is to set aside an award fee amount from each funding SLIN based on the level of effort for the associated task.

BASE FEE AND AWARD FEE FOR LEVEL-OF-EFFORT ORDER (CLIN 0003)

In accordance with the basic contract, base fee shall for work performed under this order is

CLIN	Base Fee Amount	Hours Per Level of Effort	
0003	$38,087	13,317	**$2.86**

provided that the maximum number of direct labor hours are expended.

The nature of the work under this task order is level-of-effort. As such, milestones defining specific outcomes cannot be defined in terms of quantity and schedule with any certainty. Funding will be obtained from a variety of sources as work is required. Therefore, the award fee pool available in any given evaluation period will be associated with the level-of-effort expended during that period.

First award fee period will be from Dec 1, 2007 to Mar 31, 2008. Thereafter, award fee will be paid on a biannual (six month) basis (Oct 1 – Mar 31; Apr 1 – Sep 30). In addition to the base fee set forth herein, the contractor may earn and be paid all or a portion of an award fee not to exceed **$58,262** provided that approximately 13,317 direct labor hours are expended by the contractor. The maximum available award fee pool for any award fee period will be computed at the maximum rate of **$4.375** per direct hour invoiced by the contractor under the task order for the related award fee period. If less than 100% of the direct labor hours for the tasks are expended the fee shall be equitably reduced to reflect the reduction in work.

The Contractor is to set aside an award fee amount from each funding SLIN based on the level of effort for the associated task.

This order is determined to be **NONSEVERABLE.**

In accordance with 52.244-2(e) SUBCONTRACTS of the basic contract, the Contracting Officer's written consent is required for subcontracts valued at **$20,000** or greater for this order. This consent is in effect until **Dec 14, 2007** unless revised by modification.

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	Destination	Government	Destination	Government
000101	Destination	Government	Destination	Government
0002	Destination	Government	Destination	Government
0003	Destination	Government	Destination	Government
0004	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001	POP 30-MAY-2007 TO 30-NOV-2008	N/A	CDR NAWCWD CODE 539500D GARON HARRIS 1 ADMIN CIRCLE - STOP 1106 CHINA LAKE CA 93555-6100 (760) 939-2588 FOB: Destination	N68936
000101	N/A	N/A	N/A	N/A
0002	POP 30-MAY-2007 TO 31-DEC-2008	N/A	N/A FOB: Destination	
0003	POP 30-MAY-2007 TO 30-NOV-2008	N/A	CDR NAWCWD CODE 539500D GARON HARRIS 1 ADMIN CIRCLE - STOP 1106 CHINA LAKE CA 93555-6100 (760) 939-2588 FOB: Destination	N68936
0004	POP 30-MAY-2007 TO 31-DEC-2008	N/A	N/A FOB: Destination	

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930 NH2C 252 77777 0 054219 2F 000000
COST CODE: 011797170020
AMOUNT: $10,000.00
CIN 001021240300001: $10,000.00

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Exhibit A	Contract Data Requirements List, DD1423	2	26APR2007
Attachment (1)	Alaska Air Combat Training System and Range Expansion Support – Statement of Work	6	21MAR2007
Attachment (2)	Integrated Project Baseline	1	30MAY2007

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addressees. Send completed form to the Government Issuing Contracting Officer for Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP TM OTHER: MGMT

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
TARIF	N68936-04-D-0019/TO0007	Tybrin,

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A001	**Program Progress Report**	**Monthly Status Report**

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-80555	SOW Para 4.5	NAWCWD 539510D

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	SEE BLK 16	MTHLY	35 DARO
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
N/A		EOM	EOM+ 10 DAYS

Block 16 Remarks

Block 4: Tailor DID as follows: Contractor format authorized provided that the DID is used as a guideline.

Block 9: Distribution statement will be provided by the Government prior to 1st submittal.

Block 14: Submit on magnetic media, format to be agreed upon between the Government and the Contractor prior to submittal of this data item.
Submission of this report by electronic mail is preferable.
Garon.Harris@navy.mil
david.baur@navy.mil

14. DISTRIBUTION	b. COPIES		
a. ADDRESSEE	Draft	Final	
		Reg	Repro
NAWC: 539510D	0	1	0
NAWC: 2542000D	0	1	0
NAWC: 535100D	0	1	0
15. TOTAL →	0	3	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Naval Air Warfare Center Weapons Division China Lake, CA 93555	0070425		070426

DD Form 1423-1, 1 Jun 9090

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP TM OTHER: MISC

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
TARIF	N68936-04-D-0019/TO0007	Tybrin, [illegible]

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A002	Technical Reports – Study/Services	Reports, Cl ld, Baselines, Procedures, Guidelines, Documentation, Checklists,

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MISC-80508A	SOW Para 3.8.3, 3.9.3, 3.9.4, 3.9.5, 3.9.6	NAWCWD 539510D

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	SEE BLK 16	ASREQ	SEE BLK 16
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
N/A		N/A	SEE BLK 16

Block 16 Remarks

Block 4: Tailor DID as follows: Contractor format authorized provided that the DID is used as a guideline.

Block 9: Distribution statement will be provided by the Government prior to 1st submittal.

Blocks 12 & 13: Shall be delivered as required by work requests.

Block 14: Submit on magnetic media, format to be agreed upon between the Government and the Contractor prior to submittal of this data item.
Submission of this report by electronic mail is preferable.
Garon.Harris@navy.mil
david.baur@navy.mil

14. DISTRIBUTION	b. COPIES		
a. ADDRESSEE	Draft	Final	
		Reg	Repro
NAWC: 539510D	0	1	0
NAWC: 2542000D	0	1	0
NAWC: 535100D	0	1	0
15. TOTAL →	0	3	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Naval Air Warfare Center Weapons Division China Lake, CA 93555	0070425	[signature]	070426

DD Form 1423-1, 1 Jun 9090

ALASKA AIR COMBAT TRAINING SYSTEM
AND
RANGE EXPANSION SUPPORT

STATEMENT OF WORK

1.0 SCOPE: The scope of this task order statement of work (SOW) requires the contractor to complete the following tasks as a team member of the Joint Navy Tactical Aircrew Combat Training System (TACTS), Air Force Air Combat Training System (ACTS), Navy Tactical Combat Training System (TCTS), and Air Force P5/CTS Government/Industry Team in accordance with this SOW and the CES II SOW.

2.0 APPLICABLE DOCUMENTS: The latest versions of the following documents are applicable in the performance of this SOW.

2.1 Most current Alaska Eielson ACTS Range Expansion Integrated Project Baseline (IPB)
2.2 TARIF CM Plan, Policy, and Processes
2.3 TARIF Libraries Policy and Process
2.4 TARIF Process Policies
2.5 SEG Charter & Processes
2.6 SPR Development Process
2.7 TARIF Configuration Management Procedure
2.8 TARIF Online Libraries Procedure
2.9 TARIF PPQA Process
2.10 TARIF Process Quality Assurance Process
2.11 TARIF Project Closure Process
2.12 TARIF Project Execution Process
2.13 TARIF Project Initialization Process
2.14 TARIF Project Planning Process
2.15 TARIF Project Tracking Procedure
2.16 TARIF Requirements Management Process
2.17 TARIF Documentation Standards
2.18 TARIF Library File Naming Standards
2.19 Security Procedures

3.0 REQUIREMENTS: The Joint Navy Tactical Aircrew Combat Training System (TACTS) and Air Force Air Combat Training System (ACTS), HQ PACAF/DOQ, and Alaska ACTS Range Management Government/Industry Team developed the requirements included in this Task Order. The most current Alaska Eielson ACTS Range Expansion Integrated Project Baseline (IPB), Applicable Doc 2.1 includes the following elements:

3.1 Alaska CCS-PC Software Baseline Sustainment: Alaska CCS-PC software and hardware baseline support shall include the integration of enhancements, software module and subroutine modernization, minor functional upgrades, and corrections of reported software problems. The software and any affected hardware will be tested at the TARIF Facility following any integration tasks if practical prior to shipment to Alaska ranges or ranges in the Pacific theater. The common software baseline for Alaska will be updated and delivered as required by HQ PACAF DOQ. (Ref: CES II SOW 3.2, 3.5, 3.3, 3.7, 3.9, and 4.2)

3.1.1 Integration of Alternate Sources of Participant's Track Data: The contractor shall support the integration of various Link-16 data messages into the CCS-PC mission data processing and output to mission monitoring and debriefing displays. The contractor shall also incorporate ARDS Pod downlink data, RT-CACR downlink data and treat these inputs as high-activity aircraft (HAA) players that may be treated as valid targets for Air-to-Air and Ground-to-Air (Threat) weapons launches.

3.1.2 Integration of Modifications to the Alaska ACTS: The contractor shall incorporate changes made to the Alaska ACTS as required by HQ PACAF/DOQ.

3.1.3 **ENCRYPTION/DECRYPTION EQUIPMENT (EDE)**

3.1.3.1 Real Time Status Display: The contractor shall add a real time operational status display window to the CCS-PC displaying the operational status data for the EDE as required by the Government.

3.1.3.2 Replacement EDE. This task will also address the need to produce a second set of Encryption-Decryption Equipment (EDE), Filter Verification Processor (FVP) components, and Filter Processor (FP) components to interface with the second independent range. The contractor shall investigate replacement system architecture, design, and possible implementation. The contractor shall provide a replacement EDE with an approved subsystem approach, as required by the Government.

3.1.4 Integration of F/A-18 and AV8B AISI Mission Data: The contractor shall investigate, as required by the Government, the operation of the EDE/FP/FVP subsystems to determine if the mission data downlinked from F/A-18s and AV8Bs using AISIs that have internal GPS receivers (MAGR or EGR), and the correct software load may be modified to permit the data to pass to the CCS-PC. If possible, and the Government require the data to be integrated, the contractor shall modify the operation of the EDE/FP/FVP subsystems to permit the mission data downlinked from F/A-18s and AV8Bs using AISIs. The contractor shall modify the EDE/FP/FVP subsystem to permit the messages to bypass the normal filtering. The contractor shall test the integration functionality at Elmendorf or Eielson.

3.2 RADS: The contractor shall maintain, sustain, and modernization applicable Alaska Radar Acquisition Display System (RADS) software required by the Government. (Ref: CES II SOW 3.2, 3.5, 3.7, 4.1.3, 4.2)

3.3 Advanced System Operation Console (ASOC): The contractor shall implement and sustain the Alaska ASOC in support of normal operations and exercises as required by the Government. The contractor shall modify the subsystem software to provide functional capabilities as operational requirements dictate. The contractor's support shall include the integration of enhancements, software module and subroutine modernization, minor functional upgrades, and corrections of reported software problems. The software and any affected hardware will be tested at the TARIF Facility following any integration tasks.

3.4 TENA: The contractor shall provide TENA gateways and embed TENA object models and develop/implement TENA native software into the Alaska CCS-PC and applicable subsystems as required by the Government. The contractor shall adapt or modify the CCS-PC enabling it to distribute data to geographic locations participating in joint training and T&E exercises and JNTC, Battlespace, Network Centric, and Time Critical Strike training and T&E demonstrations and exercises as required by the Government. (Ref: CES II SOW 3.10.8, 4.1.3, and 4.2)

3.4.1 9C2 TENA Interface: The contractor shall provide an operational TENA interface to the Alaska 9C2 command and control system using the ACTS debriefing workstation TENA Gateway developed for Alaska. The contractor shall interface the Gateway to an NSA approved Red/Black cross-domain device to ensure operational security for the two-way data flow (ACTS to 9C2 and 9C2 to ACTS) and an UMTE system.

3.4.2 UMTE TENA Interface: The contractor shall provide an operational TENA interface to the Alaska UMTE system using the ACTS debriefing workstation TENA Gateway developed for Alaska by the Cubic Corporation. The contractor shall interface the Gateway to an approved Red/Black cross-domain device to ensure operational security for the two-way data flow (ACTS to UMTE and UMTE to ACTS.

3.4.3 TENA Enabled Trusted Guard for Cross-Domain System Security Requirements: The contractor shall provide a trusted-guard solution to Alaska ACTS system security cross-domain requirements for data flow as required by the Government.

3.5 DIS and HLA: The contractor shall provide DIS and HLA interfaces into Alaska CCS-PC and applicable subsystems for data interface with virtual and constructive systems and subsystems such as virtual weapons

simulations and aircraft cockpit simulators to support distributed mission concepts, demonstrations, and training and T&E exercises as required by the Government. (Ref: CES II SOW 3.10.8, 4.1.3, and 4.2)

3.6 EW Server and EW MUX: Provide an EW Server/Processor and communications multiplexer (EW MUX) that will provide EW functionality separate from the CCS-PC and satisfy threat range equipment to CCS PC interface requirements. The EW Server/Processor will include required surface-to-air weapons simulations (SAM and AAA) and an Integrated Air Defense System (IADS) simulation. Provide manned and unmanned EW threat range equipment/EW Mux/EW Server interface upgrades, modernization, and enhancements with the CCS PC as required to support training operations. (Ref: CES II SOW 3.1, 3.2, 3.3, 3.5, 3.7, 3.7, 3.9, 3.10.8, 4.1.3, and 4.2)

3.7 ACTS/TACTS Weapon Simulations: The contractor shall provide new, enhanced, and modified weapons simulations required by the Government. Weapons simulations will leverage new weapon simulation interface architecture. The contractor shall coordinate with designated Government agencies (NASIC/AENR) to verify the correctness and accuracy of ACTS SAM and AAA weapon and associated IADS simulations in use on the Alaska ranges. The contractor shall update those weapon simulations determined to require modernization to accurately represent the intended threat or weapon system. (Ref: CES II SOW 3.2, 3.5, 3.7, 3.3, 3.7, 3.9, 3.10.8, 4.1.3, and 4.2)

3.8 Alaska ACTS Range Expansion: The contractor shall support the expansion of the Eielson AFB ACTS range to support combat aircrew training events and exercises. The contractor shall support the Government's efforts to extend the existing Pacific Alaska Range Complex (PARC) Yukon Measurement and Debriefing System (YMDS) Aircraft Instrumentation Subsystem (AIS) aircraft/pod tracking coverage and upgrades the remote ground communications sites on the YMDS and Alaska Air Combat Training System (ACTS) ranges. (Ref: CES II SOW 3.1, 3.2, 3.5, 3.7, 3.8, 3.10.8, 3.11 and subparagraphs, 4.1.3, and 4.2)

3.8.1 Link-16/SADKL Data Link Installation and Integration. Red Flag Alaska (RFA) range requires Link-16 and SADL Tactical Data Link (TDL) data integrated into its CCS PC operations. The range requirements have also been documented in the Joint Forces Command (JFCOM) organization training requirements/shortfalls, and these findings support the Chief of Staff of the Air Force (CSAF) mandate to improve range consistency on the Western Ranges (Alaska and Nellis). RFA operational management team identified the following operational capabilities as priority requirements for its ranges:

The addition of a Link -16 Tactical Data Link (TDL) network to cover the Stony Military Operating Area (MOA)

The integration of the Link-16 data from the Stony MOA with a Situational Awareness (SA) capability to be installed at the 3rd Wing facilities at Elmendorf AFB.

The addition of a TDL network, including both Link-16 and SADL, to cover the Fox MOA and Hill 3265 north of Eielson AFB.

The integration of the Link-16 data from the Stony MOA, Fox MOA, and Hill 3265, and integration of the SADL data from Fox MOA, and Hill 3265, with existing equipment in the range operations center at Eielson. This integration must provide the following capabilities:

Display of Link-16 and SADL data in the current visualization environment, including pertinent track location and identification data.

The transmission of 'real time kill removal' messages from the range operators workstations to the aircraft within coverage of the TDL networks using Link-16 and/or SADL

3.8.2 Extend YMDS Range into Fox MOA. This task requires the installation of new TIS remote and communications relay sites for AIS pod tracking in the Fox MOA and the relaying of ground-to-air-to-ground data between the new sites and the Cope Thunder Operations facility at Eielson AFB. Data will be integrated into the existing YMDS for real-time tracking and recording for debriefing.

3.8.3 Ground System Software and TIS Interrogator Modifications. The contractor shall develop the capability for the Alaska CCS PC to increase the number of "live" High Activity Aircraft (HAA) participants to a minimum of 72 vice the current 36. The contractor shall modify the CCS PC software such that the Eielson ACTS range may be operated as two separate ranges. Range 1 will operate on frequency A and range 2 will operate on frequency B. Each range will operate using applicable associated TIS master and remote TIS interrogators. The contractor shall design and implement a capability to remotely switch TIS interrogator frequencies (A to B or B to A) remotely through commands from the CCS-PC. The contractor shall retain the existing manual switching capability at each of the interrogators. The contractor shall also make all necessary software modifications to the CCS PC and ICADS to support the new locations of the remotes. The contractor shall perform site integration with live-podded aircraft to evaluate CCS PC and ICADS software performance and tracking coverage of the expanded range areas. Those areas that have remote(s) relocated shall also be evaluated to determine the effect of remote relocation. Once all relocated and new remotes are in position and operating a series of tracking tests shall be conducted to finalize the range expansion project. After each flight test a CCS watch-dog report will be produced to document tracking coverage.

3.9 General Project Management Tasks: The following paragraphs call out general project management tasks and products required of the contractor. In all cases, the most current Alaska ACTS Range Expansion and Sustainment IPB with associated responsibilities and work levels shall apply (see Applicable Documents 2.1 through 2.19, paragraph 2.0). The contractor is expected to adjust resources to comply with the monthly changing IPB. The contractor shall perform in accordance with the TARIF policies, processes, procedures, standards, and guidelines of paragraph 2.0. These documents detail the processes, criteria and oversight for software and hardware development for the following: Requirements Management, Project Management (initialization, planning, execution and tracking, and closure), Systems Engineering and CMMI process improvement, Configuration Management, Supplier Agreement Management, Process Quality Assurance, Documentation and Facility Security.

3.9.1 Requirements Management: The contractor shall complete requirements analysis / allocation, interface definition, and requirements management tasks in accordance with applicable documents 2.4-TARIF Process Policies, 2.12-TARIF Project Execution Process, 2.13-TARIF Project Initialization Process, 2.14-TARIF Project Planning Process, 2.15-TARIF Project Tracking Procedure, 2.16-TARIF Requirements Management Process, and 2.1 the most current Alaska ACTS Ranges Expansion IPB. The contractor shall identify and list project original and derived requirements using established tools as cited in 2.16-TARIF Requirements Management Process.

3.9.2 Project Management and Execution: The contractor shall complete project management tasks in accordance with applicable documents 2.4-TARIF Process Policies, 2.11 TARIF Project Closure Process, 2.12-TARIF Project Execution Process, 2.13-TARIF Project Initialization Process, 2.14-TARIF Project Planning Process, 2.15-TARIF Project Tracking Procedure, 2.16-TARIF Requirements Management Process and 2.1 the most current Alaska ACTS Ranges Expansion IPB. The contractor shall generate Project Management Plans (PMPs) and/or Project Executive Summary, risk analysis, cost estimate, and schedules in MS Project as required in accordance with the templates in the TARIF library.

3.9.3 Configuration Management: The contractor shall complete configuration manage tasks in accordance with applicable documents 2.4-TARIF Process Policies, 2.2-TARIF Configuration Management Plan, Policy, and Processes, 2.5-SEG Charter and Processes, 2.6-SPR Development Process, 2.7-TARIF Configuration Management Procedures, and 2.1 the most current Alaska ACTS Ranges Expansion IPB. The contractor shall identify project software configurable items as stated in each project's PMP.

3.9.4 Systems Engineering: The contractor shall complete systems engineering tasks in accordance with applicable documents 2.3-TARIF Library Policy and Process, 2.4-TARIF Process Policies, 2.5-SEG Charter and Processes, 2.8-TARIF On-line Library Procedures, 2.17-TARIF Documentation Standard, 2.18-TARIF Library Naming Standard, and 2.1 the most current Alaska ACTS Ranges Expansion IPB. The contractor shall generate approved software and hardware configuration baselines to be used for project software development; Revision Field Designators (RFDs); comments to draft process procedures, standards, guidelines, and technical documents as required.

3.9.5 Quality Assurance: The contractor shall complete quality assurance tasks in accordance with applicable documents 2.4-TARIF Process Policies, 2.9-TARIF PPQA Process, 2.10-TARIF Process QA Process, and 2.1 the most current Alaska ACTS Ranges Expansion IPB. The contractor shall produce completed review checklist for required documents in a project folders, project initialization, project planning, project execution, project closure, requirements management, CM, subcontracting and consulting, measurement collection, materials purchase, and its PMP.

3.9.6 Documentation: The contractor shall complete documentation tasks in accordance with applicable document 2.4-TARIF Process Policies, 2.17-TARIF Documentation Standard and 2.1 the most current Alaska ACTS Ranges Expansion IPB. The contractor as part of the TARIF team will create, update, review and deliver required documentation packages.

3.10 Program Management: The contractor shall provide overall contract program management.

4.0 Special Considerations

4.1 Government Furnished Items

4.1.1 Facilities: The TARIF facility will be made accessible to the contractor for use in performance of this Task Order. The Government will provide dedicated workspace as required. (Ref: CES II SOW 4.1.2)

4.1.2 Equipment: The government will provided to the contractor government owned computer equipment as needed to perform this Task Order.

4.2 Travel: The contractor will be required to travel in the performance of this Task Order. The Government estimates travel to consist of the travel called out in the Alaska ACTS Ranges Expansion IPB. (Ref: CES II SOW 4.2)

Over the life of the task order, the contractor may be required to travel to the following sites one or more times. Depending on the actual requirement, the Team traveling will vary mix wise (Government, contractor). Estimated travel locations are as follows: (Ref: CES II SOW 4.1.3)

1. Alaska Ranges (Elmendorf and Eielson), Alaska
2. Hill AFB, UT
3. Eglin AFB, FL
4. Hickam AFB HI
5. San Diego, CA
6. Buffalo, NY

4.3 Material: The contractor will be required to procure material in the performance of this Task Order. The Government estimates the dollar value of material to amount to that identified in the Alaska ACTS Ranges Expansion IPB.

4.4 Security: The performance of this Task Order is classified at the level of SECRET. The contractor shall perform physical security relative to classified material and facility security in accordance with applicable document 2.19 and CES II SOW paragraph 4.1.5.

4.5 Monthly Status Reports: In support of this task order, the contractor shall deliver a monthly Cost, Schedule and Status Report (C/SSR) in accordance with *CDRL A001*. The Contractor will deliver a monthly status report that includes a summary of work performed per project and task, problems encountered, problems resolved, current schedules and information, including period and cumulative funds/hours expended. This report will be provided to the Technical Coordinator no later than 10 working days following the end of the Contractor's monthly accounting period.

4.6 Technical Coordinator:

Garon Harris
Code 539510D
Telephone: 939-2588
Fax number: 939-3719

Alternate Technical Coordinator:

Dave Baur
Code 535100D
Telephone: 939-0292
Fax number: 939-0279

4.7 Delivery Schedule: Work shall commence upon award of this task order. The delivery schedule will be based upon the most current Alaska ACTS Ranges Expansion IPB.

		Alaska ACTS Range Expansion and Substainment Integrated Project Baseline (IPB)						
		Applicable Document 2.3 (Plan as of 30 May 2007)						
		31 May 07 thru 30 Nov 08 (20 Months)						
SOW Para #	Activity ID	ACTIVITY TITLE	START	FINISH	GOVT HRS ESTIMATE	Quantity	GOVT ESTIMATE	
3.1	1.0	**Alaska CCS PC SW Sustainment**			1,860			
	1.1	Travel (3 people, 1 wk each trip)	01-Jun-07	30-Nov-08		2		
	1.2	Material	01-Jun-07	30-Nov-08			$ 50,000	
3.1.1	2.0	**Integration of Alternate Sources of Participant Data**			1,492			
	2.1	Travel (3 people, 1 wk each trip)	01-Jun-07	30-Nov-08		2		
	2.2	Material	01-Jun-07	30-Nov-08			$ 150,000	
3.1.2	3.0	**Integration of Changes to Alaska ACTS**			1,860			
	3.1	Travel (3 people, 1 wk each trip)	01-Jun-07	30-Nov-08		3		
	3.2	Material	01-Jun-07	30-Nov-08			$ 150,000	
3.1.3	4.0	**Alaska ACTS Encryption/Decryption Equipment (EDE)**			3,500			
	4.1	Travel (3 people, 1 wk each trip)	01-Jun-07	30-Nov-08		2		
	4.2	Material	01-Jun-07	30-Nov-08			$ 150,000	
3.2	5.0	**RADS SW Baseline Sustainment**			1,460			
	5.1	Travel (2 people, 1 wk each trip)	01-Jun-07	30-Nov-08		2		
	5.2	Material	01-Jun-07	30-Nov-08			$ 50,000	
3.3	6.0	**ASOC Sustainment**			980			
	6.1	Travel (1 person, 1 wk each trip)	01-Jun-07	30-Nov-08		2		
	6.2	Material	01-Jun-07	30-Nov-08			$ 15,000	
3.4	7.0	**TENA**			1,400			
	7.1	Travel (1 person, 1 wk each trip)	01-Jun-07	30-Nov-08		2		
	7.2	Material	01-Jun-07	30-Nov-08			$ 80,000	
3.5	8.0	**DIS/HLA**			980			
	8.1	Travel (1 person, 1 wk each trip)	01-Jun-07	30-Nov-08		1		
	8.2	Material	01-Jun-07	30-Nov-08			$ 50,000	
3.6	9.0	**EW Server and EW MUX Support and Adaptation**						
	9.1	Travel (1 person, 1 wk each trip)	01-Jun-07	30-Nov-08	980	2		
	9.2	Material	01-Jun-07	30-Nov-08			$ 350,000	
3.7	10.0	**Weapons Simulations**						
	10.1	Travel (1 person, 1 wk each trip)	01-Jun-07	30-Nov-08		2		
	10.2	Material	01-Jun-07	30-Nov-08			$ 50,000	
3.8	11.0	**Expansion of Alaska ACTS Ranges**			3,500			
	11.1	Travel (2 person, 1 wk each trip)	01-Jun-07	30-Nov-08		4		
	11.2	Material	01-Jun-07	30-Nov-08			$ 1,740,000	
3.1.1	12.0	**2007.2 Release**			450			
	12.1	Travel (1 person, 1 wk each trip)	01-Jul-07	30-Nov-07		1		
	12.2	Material	01-Jul-07	30-Nov-07			$ 10,000	
3.1.1	13.0	**2008.1 Release**			450			
	13.1	Travel (1 person, 1 wk each trip)	01-Dec-07	30-May-08		1		
	13.2	Material	01-Dec-07	30-May-08			$ 10,000	
3.1.1	14.0	**2008.2 Release**			450			
	14.1	Travel (1 person, 1 wk each trip)	01-Jun-08	30-Nov-08		1		
	14.2	Material	01-Jun-08	30-Nov-08			$ 10,000	
3.9.4	15.0	**System Engineering**	01-Mar-07	30-Nov-08	1,860			
	15.1	Travel (4 people, 1 wk each trip)	01-Mar-07	30-Nov-08		3		
	15.2	Material					$ 25,000	
3.10	16.0	**PROGRAM MANAGEMENT**	01-May-07	30-Nov-08	980			PM and Financial Mgt
	16.1	Travel (1 person, 1 wk each trip)				2		
		TOTAL			**22,202**	**32**	**$ 2,890,000**	

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 10

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO.	2. DELIVERY ORDER/ CALL NO.	3. DATE OF ORDER/CALL (YYYYMMMDD)	4. REQ./ PURCH. REQUEST NO.	5. PRIORITY
N68936-04-D-0019	0008	2007 Jun 21	See Schedule	

6. ISSUED BY CODE N68936
CDR NAWCWD CODE 220000D
ATTN: B. MONCKTON
(760) 939-8234
429 E BOWEN RD - STOP 4015
CHINA LAKE CA 93555-6108

7. ADMINISTERED BY *(if other than 6)* CODE S0101A
DCMA BIRMINGHAM
1910 THIRD AVENUE NORTH
SUITE 201
BIRMINGHAM AL 35203-3514

8. DELIVERY FOB
[X] DESTINATION
[ ] OTHER
(See Schedule if other)

9. CONTRACTOR CODE 1H996 FACILITY
NAME AND ADDRESS
TYBRIN CORPORATION
JOE JAMES
1030 TITAN COURT
FORT WALTON BEACH FL 32547

10. DELIVER TO FOB POINT BY (Date) (YYYYMMMDD)
SEE SCHEDULE

11. MARK IF BUSINESS IS
[ ] SMALL
[ ] SMALL DISADVANTAGED
[ ] WOMEN-OWNED

12. DISCOUNT TERMS

13. MAIL INVOICES TO THE ADDRESS IN BLOCK
See Item 15

14. SHIP TO CODE N69232
RECEIVING OFFICER
GOVERNMENT REPRESENTATIVE
NBVC, RECEIVING OFFICER
CODE LG330/BLDG 65
311 MAIN ROAD, SUITE 1
POINT MUGU CA 93042-5033

15. PAYMENT WILL BE MADE BY CODE HQ0338
DFAS - COLUMBUS CENTER
SOUTH ENTITLEMENT OPERATIONS
PO BOX 182264
COLUMBUS OH 43218-2264

MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.

16. TYPE OF ORDER			
	DELIVERY/ CALL	X	This delivery order/call is issued on another Government 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 (YYYYMMMDD)

[X] If this box is marked, supplier must sign Acceptance and return the following number of copies: 1

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
TEL: (760) 939-6043
EMAIL: mary.jacobs@navy.mil
BY: MARY K. JACOBS
CONTRACTING / ORDERING OFFICER

25. TOTAL $5,994,244.00
26. DIFFERENCES

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

b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE | c. DATE (YYYYMMMDD) | d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE

e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE

f. TELEPHONE NUMBER | g. E-MAIL ADDRESS

28. SHIP NO. | **29. DO VOUCHER NO.** | **30. INITIALS**

[ ] PARTIAL [ ] FINAL

31. PAYMENT
[ ] COMPLETE [ ] PARTIAL [ ] FINAL

32. PAID BY

33. AMOUNT VERIFIED CORRECT FOR

34. CHECK NUMBER

35. BILL OF LADING NO.

36. I certify this account is correct and proper for payment.
a. DATE (YYYYMMMDD) | b. SIGNATURE AND TITLE OF CERTIFYING OFFICER

37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMMDD)	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		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

CES II - THREAT RADAR SIMULATORS SUBSYSTEMS
CPAF
TRSS. In accordance with Statement of Work. Under CLIN 0003 of Basic Contract.
FOB: Destination
PURCHASE REQUEST NUMBER: 0010217298

MAX COST	$1,851,069.00
BASE FEE	$13,502.00
SUBTOTAL MAX COST + BASE	$1,864,571.00
MAX AWARD FEE	$21,248.00
TOTAL MAX COST + FEE	$1,885,819.00

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000101		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
TRSS HARDWARE. In accordance with Statement of Work. Eglin AFB.
FOB: Destination
MILSTRIP: F1TEBH7060G001
PURCHASE REQUEST NUMBER: 0010217298

ACRN AA $935,935.00
CIN: 001021729800001

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000102		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
TRSS HARDWARE. In accordance with Statement of Work. Auxilliary equipment Project Griffen for Eglin.
FOB: Destination
PURCHASE REQUEST NUMBER: 0010217058

ACRN AB $251,073.00
CIN: 001021705800001

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0002		UNDEFINED			NSP

DATA REQUIREMENTS under CLIN 0004 of Basic Contract.
CPAF
In accordance with Exhibit A, Contract Data Requirements List
FOB: Destination

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0003		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

CES II - THREAT RADAR SIMULATORS SUBSYSTEMS
CPAF
TRSS. In accordance with Statement of Work. Under CLIN 0005 of Basic Contract.
FOB: Destination

MAX COST	$4,055,170.00
BASE FEE	$21,052.00
SUBTOTAL MAX COST + BASE	$4,076,222.00
MAX AWARD FEE	$32,203.00
TOTAL MAX COST + FEE	$4,108,425.00

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

DATA REQUIREMENTS under CLIN 0006 of Basic Contract.
CPAF
In accordance with Exhibit A, Contract Data Requirements List
FOB: Destination

B-NOTE

BASE FEE AND AWARD FEE FOR LEVEL-OF-EFFORT ORDER (CLIN 0001)

In accordance with the basic contract, base fee shall for work performed under this order is

CLIN	Base Fee Amount	Hours Per Level of Effort	
0001	$13,302	4,857	**$2.78**

provided that the maximum number of direct labor hours are expended.

The nature of the work under this task order is level-of-effort. As such, milestones defining specific outcomes cannot be defined in terms of quantity and schedule with any certainty. Funding will be obtained from a variety of sources as work is required. Therefore, the award fee pool available in any given evaluation period will be associated with the level-of-effort expended during that period.

First award fee period will be from date of award to Sep 30, 2007. Thereafter, award fee will be paid on a biannual (six month) basis (Oct 1 – Mar 31; Apr 1 – Sep 30). In addition to the base fee set forth herein, the contractor may earn and be paid all or a portion of an award fee not to exceed **$21,248** provided that approximately 4,857 direct labor hours are expended by the contractor. The maximum available award fee pool for any award fee period will be computed at the maximum rate of **$4.375** per direct hour invoiced by the contractor under the task order for the related award fee period. If less than 100% of the direct labor hours for the tasks are expended the fee shall be equitably reduced to reflect the reduction in work.

The Contractor is to set aside an award fee amount from each funding SLIN based on the level of effort for the associated task.

BASE FEE AND AWARD FEE FOR LEVEL-OF-EFFORT ORDER (CLIN 0003)

In accordance with the basic contract, base fee shall for work performed under this order is

CLIN	Base Fee Amount	Hours Per Level of Effort	
0003	$21,052	7,360	**$2.86**

provided that the maximum number of direct labor hours are expended.

The nature of the work under this task order is level-of-effort. As such, milestones defining specific outcomes cannot be defined in terms of quantity and schedule with any certainty. Funding will be obtained from a variety of sources as work is required. Therefore, the award fee pool available in any given evaluation period will be associated with the level-of-effort expended during that period.

First award fee period will be from Dec 1, 2007 to Mar 31, 2008. Thereafter, award fee will be paid on a biannual (six month) basis (Oct 1 – Mar 31; Apr 1 – Sep 30). In addition to the base fee set forth herein, the contractor may earn and be paid all or a portion of an award fee not to exceed **$32,203** provided that approximately 7,360 direct labor hours are expended by the contractor. The maximum available award fee pool for any award fee period will be computed at the maximum rate of **$4.375** per direct hour invoiced by the contractor under the task order for the related award fee period. If less than 100% of the direct labor hours for the tasks are expended the fee shall be equitably reduced to reflect the reduction in work.

The Contractor is to set aside an award fee amount from each funding SLIN based on the level of effort for the associated task.

This order is determined to be **NONSEVERABLE.**

In accordance with 52.244-2(e) SUBCONTRACTS of the basic contract, the Contracting Officer's written consent is required for subcontracts valued at **$20,000** or greater for this order. This consent is in effect until **Dec 14, 2007** unless revised by modification.

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	Destination	Government	Destination	Government
000101	Destination	Government	Destination	Government
000102	Destination	Government	Destination	Government
0002	N/A	N/A	N/A	Government
0003	Destination	Government	Destination	Government
0004	N/A	N/A	N/A	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001	POP 01-JUN-2007 TO 30-NOV-2008	N/A	RECEIVING OFFICER GOVERNMENT REPRESENTATIVE NBVC, RECEIVING OFFICER CODE LG330/BLDG 65 311 MAIN ROAD, SUITE 1 POINT MUGU CA 93042-5033 FOB: Destination	N69232
000101	N/A	N/A	N/A	N/A
000102	N/A	N/A	N/A	N/A
0002	N/A	N/A	N/A	N/A
0003	POP 01-JUN-2007 TO 30-NOV-2008	N/A	RECEIVING OFFICER GOVERNMENT REPRESENTATIVE NBVC, RECEIVING OFFICER CODE LG330/BLDG 65 311 MAIN ROAD, SUITE 1 POINT MUGU CA 93042-5033 FOB: Destination	N69232
0004	N/A	N/A	N/A	N/A

CLAUSES INCORPORATED BY FULL TEXT

F-TXT-08 SHIPPING INSTRUCTIONS (POINT MUGU) (MAR 2003)

SHIP TO: NAVAL BASE VENTURA COUNTY (NBVC)
Receiving Officer, Code N41VW/BLDG 65
Contract: N68936-04-D-0019 / Order 0008
Point Mugu, CA 93042-5033
Attn: ATS Receiving Deck, Code 539400E, Bldg. 3009, Room 120, Phone (805) 989-9267
Nomenclature: TRSS

Failure to mark each shipping label and packing list as indicated above may result in return of shipment at your expense, or will cause a delay in processing your invoice for payment.

DOCK HOURS from 0800 TO 1530, MONDAY THROUGH THURSDAY EXCLUDING HOLIDAYS WHEN THE RECEIVING DOCK WILL BE CLOSED.

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 5773010 1174 721 19000 0 000000 00 000351 16F503000F03 000FSR016100PSR302579
AMOUNT: $935,935.00
CIN 001021729800001: $935,935.00

AB: 5773020 1574 721 20AMR M 010100 00 000271 63F503000F03 000FSR016144
AMOUNT: $251,073.00
CIN 001021705800001: $251,073.00

Section H - Special Contract Requirements

CLAUSES INCORPORATED BY FULL TEXT

5252.243-9505 ENGINEERING CHANGES (NAVAIR)(OCT 2005)

(a) After contract award, the Contracting Officer may solicit, and the contractor is encouraged to propose independently, engineering changes to the equipment, software specifications or other requirements of this contract. These changes may be proposed for reasons of economy, improved performance, or to resolve increased data processing requirements. If the proposed changes are acceptable to both parties, the contractor shall submit a price change proposal to the Government for evaluation. Those proposed engineering changes that are acceptable to the Government will be processed as modifications to the contract.

(b) This applies only to those proposed changes identified by the contractor, as a proposal submitted pursuant to the provisions of this clause. As a minimum, the following information shall be submitted by the contractor with each proposal:

(1) A description of the difference between the existing contract requirement and the proposed change, and the comparative advantages and disadvantages of each.

(2) Itemized requirements of the contract that must be changed if the proposal is adopted, and the proposed revision to the contract for each such change.

(3) An estimate of the changes in performance costs, if any, that will result from adoption of the proposal.

(4) An evaluation of the effects the proposed change would have on collateral costs to the Government such as Government-furnished property costs, costs of related items, and costs of maintenance and operation.

(5) A statement of the time by which the change order adopting the proposal must be issued so as to obtain the maximum benefits of the changes during the remainder of this contract. Also, any effect on the contract completion time or delivery schedule shall be identified.

(c) Engineering change proposals submitted to the Contracting Officer shall be processed expeditiously. The Government shall not be liable for proposal preparation costs or any delay in acting upon any proposal submitted pursuant to this clause. The contractor has the right to withdraw, in whole or in part, any engineering change proposal not accepted by the Government within the period specified in the engineering change proposal. The decision of the Contracting Officer as to the acceptance of any such proposal under this contract shall be final and shall not be subject to the "Disputes" clause of the contract.

(d) The Contracting Officer may accept any engineering change proposal submitted pursuant to this clause by giving the contractor written notice thereof. This written notice may be given by issuance of a modification to this contract. Unless and until a modification is executed to incorporate an engineering change proposal under this contract, the contractor shall remain obligated to perform in accordance with the terms of the existing contract.

(e) If an engineering change proposal pursuant to this clause is accepted and applied to this contract, an equitable adjustment in the contract price and in any other affected provisions of this contract shall be made in accordance with the "Changes" clause.

(f) The contractor is requested to identify specifically any information contained in its engineering change proposal which it considers confidential and/or proprietary and which it prefers not to be disclosed to the public. The identification of information as confidential and/or proprietary is for information purposes only and shall not be binding on the Government to prevent disclosure of such information. Offerors are advised that such information may be subject to release upon request pursuant to the Freedom of Information Act (5 U.S.C. 552).

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Exhibit _	Exhibit A , CDRLS		
Attachment 1	Att(1) TRSS SOO		
Attachment 2	Att(2) TRSS IPP		
Attachment 3	Att(3) TRSS IPB		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA. 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP TM OTHER: MISC

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
THREAT SIMULATORS SUBSYSTEM	N68936-04-D-0019	Tybrin,

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A001	TECHNICAL REPORT – STUDY/SERVICES	Program Plan

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MISC-80508B	SOW Para 3.10.2	NAWC-WD 539400E

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	SEE BLOCK 16	ONE/R	SEE BLOCK 16
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
A		N/A	SEE BLOCK 16

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
NAWC-WD			
POINT MUGU, CA			
93042-5049			
ATTN: T. WILLIAMS			
NAWC-WD: 539400E	1	1	0
NAWC-WD: 220000E		Ltr	Only
NAWC-WD: 535D00D		Ltr	Only
15. TOTAL	1	1	0

16. REMARKS

Block 4: Contractor format is approved.

Block 9: Use Distribution Statement C: Distribution authorized to U.S. Government agencies and their contractors; to protect publications required for official use or for administrative or operational purposes only [redacted]. Other requests for this document shall be referred to Commander: Naval Air Warfare Center Weapons Division (Code 539400E), Point Mugu, CA 93042-5049.

DESTRUCTION NOTICE - for unclassified, limited documents, destroy by any method that will prevent disclosure of contents or reconstruction of the document.

Block 12 & 13: Initial submittal shall be submitted NLT 45 DAC. Final Submittal shall be submitted 15 DA receipt of Government comments with comment incorporated.

Block 14: Shall be submitted in an electronic format agreed upon by both Government and Contractor prior to 1st submittal.

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Naval Air Warfare Center Weapons Division China Lake, CA 93555	070426	Cory Ann Mitchell	070426

DD Form 1423-1, 1 Jun 9090

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP TM OTHER: MISC

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
THREAT SIMULATORS SUBSYSTEM	N68936-04-D-0019	Tybrin,

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A002	**TECHNICAL REPORT – STUDY/SERVICES**	**Documentation Requirements, Analysis, Test Plans/Reports, Predictions**

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MISC-80508B	**SOW Para 3.10.2, 3.10.8, 3.11.2, 3.11.4**	**NAWC-WD 539400E**

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	SEE BLOCK 16	ONE/R	SEE BLOCK 16
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
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15. TOTAL	1	1	0

16. REMARKS

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Block 14: Shall be submitted in an electronic format agreed upon by both Government and Contractor prior to 1st submittal.

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Naval Air Warfare Center Weapons Division China Lake, CA 93555	070426	Cory Ann Mitchell	070426

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CONTRACT DATA REQUIREMENTS LIST
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D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
THREAT SIMULATORS SUBSYSTEM	N68936-04-D-0019	Tybrin,

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A003	**PERFORMANCE SPECIFICATION DOCUMENTS**	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-SDMP-81465A	**SOW Para 3.10.4, 3.10.6**	**NAWC-WD 539400E**

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP TM OTHER: MGMT

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
THREAT SIMULATORS SUBSYSTEM	N68936-04-D-0019	Tybrin,

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A004	CONTRACT WORK BREAKDOWN STRUCTURE (CWBS)	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-81334B	SOW Para 3.11.5	NAWC-WD 539400E

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
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D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
THREAT SIMULATORS SUBSYSTEM	N68936-04-D-0019	Tybrin,

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A005	TECHICAL DATA PACKAGES	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-CMAN-80776	SOW Para 3.10.8	NAWC-WD 539400E

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
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D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
THREAT SIMULATORS SUBSYSTEM	N68936-04-D-0019/TO0008	Tybrin

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A006	**Program Progress Report**	**Monthly Status Report**

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-80555	**SOW Para 4.3**	**NAWCWD 539510D**

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
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william.monckton@navy.mil

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THREAT RADAR SIMULATORS SUBSYSTEM SUPPORT
STATEMENT OF OBJECTIVE (SOO)

1.0 BACKGROUND:

The Airborne Threat Simulation Team (ATST) is responsible for the entire life-cycle management of numerous RF threat simulations ranging from electronic attack (EA) systems to emitter (radar) simulations. Customers range from Navy, Air Force and Army, to foreign governments and private-party Department of Defense (DOD) contractors. As the DOD Project Reliance service lead for airborne emitters, the ATST provides emitter and EA systems and lifecycle support to virtually all DOD target systems. In addition, the ATST provides Fleet (Air Force and Navy) with various airborne and ground based systems for training at various levels. Fed by a close working relationship with the DOD's major intelligence offices (i.e. National Air Intelligence Center, Office of Naval Intelligence, the CIA and others) the ATST develops a flexible and robust line of products that not only keeps-up with the threat but is able to project, or lead, out-year developments in order to provide the warfighter with simulations of 'historic', new and emerging threat systems.

1.1 SCOPE

The Contractor shall deliver various subsystems for Electronic Countermeasures and Threat Radar Simulators used in aerial targets and carried onboard manned aircraft in the AN/ALQ-167, DLQ-9, AST-6 and AST-9 pods.

In addition, on a case-by-case basis, tasking may include unit repair or redesign due to system obsolescence. This will require that the contractor receive authorization from the government prior to proceeding with any repairs or upgrades.

In circumstances of unit repair, the contractor will be tasked to repair units at the government's discretion. The contractor shall provide the government a cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with unit repair. The government will evaluate the proposal and provide the contractor authorization to proceed with unit repairs.

In circumstances due to system obsolescence, the contractor will be tasked to perform a system obsolescence review. Once a review is complete, the contractor will provide the government an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The government will evaluate the proposal and provide the contractor authorization to proceed with a design upgrade.

In addition the associated documentation of these subsystems shall be revised to reflect the as built configuration. Each subsystem provided by the Contractor shall be based on the Government's applicable performance specifications and/or current drawing package as defined in the Threat Radar Simulators (TRS) Subsystem Integrated Project Plan (IPP) Applicable Document 2.1. This effort shall be performed under the premises of ISO-9000.

2.0 APPLICABLE DOCUMENTS

2.1 Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP)

2.2 Most current Threat Radar Simulators (TRS) Subsystems Integrated Project Baseline (IPB)

3.0 REQUIREMENTS:

The Contractor shall perform the required tasks to deliver the following final Product Items in accordance with the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) and Threat Radar Simulators (TRS) Subsystems Integrated Project Baseline (IPB) Applicable Documents 2.1 and 2.2.

1) Amplifiers, Transmitters & Magnetrons
2) Antenna Systems
3) Bracketry, Cables & Enclosures
4) Decoys & Launchers
5) Electronic Assemblies
6) Pods
7) Radomes

In all cases, the most current IPB with associated responsibilities and work levels defined in the IPP and the IPP program specific appendix shall apply (see Applicable Document 2.1 and 2.2).

Tasking shall include existing subsystem fabrication and if updates to the design due to obsolescence are required documentation updates reflecting current designs/fabricated subsystems. In addition the tasking may include variant design; as well as the verification and validation of existing design documentation. This effort shall be performed under the premises of ISO-9000.

3.1 Amplifiers, Transmitters & Magnetrons: Product Item 3.1.

The contractor shall complete the requirements for the Amplifiers, Transmitters & Magnetrons effort and tasks in accordance with the Performance Specifications and/or the Technical Data Packages in addition to Military Standards, Other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

Specific work tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor may be required to provide engineering services as related to the end items produced under this effort. These engineering services shall include the identification of alternatives to obsolete items, the redesign of assemblies, modules, and systems again to deal with obsolescence and the repair of items produced under this effort. The Contractor shall identify any obsolescence issues and or repair requirements together with a mitigation plan. This plan shall detail the required labor, material and material burden necessary to implement the mitigation plan. The Government will evaluate the proposed plan for obsolescence mitigation or repair and may issue a specific task to implement the proposed plan.

3.2 Antenna Systems: Product Item 3.2

The contractor shall complete the requirements for the Antenna Systems effort and tasks in accordance with the Performance Specifications and/or the Technical Data Packages in addition to Military Standards, Other

Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

Specific work tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor may be required to provide engineering services as related to the end items produced under this effort. These engineering services shall include the identification of alternatives to obsolete items, the redesign of assemblies, modules, and systems again to deal with obsolescence and the repair of items produced under this effort. The Contractor shall identify any obsolescence issues and or repair requirements together with a mitigation plan. This plan shall detail the required labor, material and material burden necessary to implement the mitigation plan. The Government will evaluate the proposed plan for obsolescence mitigation or repair and may issue a specific task to implement the proposed plan.

3.3 Bracketry, Cables & Enclosures: Product Item 3.3

The contractor shall complete the requirements for the Bracketry, Cables & Enclosures effort and tasks in accordance with the Performance Specifications and/or the Technical Data Packages in addition to Military Standards, Other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

Specific work tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor may be required to provide engineering services as related to the end items produced under this effort. These engineering services shall include the identification of alternatives to obsolete items, the redesign of assemblies, modules, and systems again to deal with obsolescence and the repair of items produced under this effort. The Contractor shall identify any obsolescence issues and or repair requirements together with a mitigation plan. This plan shall detail the required labor, material and material burden necessary to implement the mitigation plan. The Government will evaluate the proposed plan for obsolescence mitigation or repair and may issue a specific task to implement the proposed plan.

3.4 Decoys & Launchers, Product Item 3.4.

The contractor shall complete the requirements for Decoys & Launchers effort and tasks in accordance with the Performance Specifications and/or the Technical Data Packages in addition to Military Standards, Other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

Specific work tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor may be required to provide engineering services as related to the end items produced under this effort. These engineering services shall include the identification of alternatives to obsolete items, the redesign of assemblies, modules, and systems again to deal with obsolescence and the repair of items produced under this effort. The Contractor shall identify any obsolescence issues and or repair requirements together with a mitigation plan. This plan shall detail the required labor, material and material burden necessary to implement the mitigation plan. The Government will evaluate the proposed plan for obsolescence mitigation or repair and may issue a specific task to implement the proposed plan.

3.5 Electronic Assemblies, Product Item 3.5.

The contractor shall complete the requirements for Electronic Assemblies effort and tasks in accordance with the Performance Specifications and/or the Technical Data Packages in addition to Military Standards, Other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

Specific work tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor may be required to provide engineering services as related to the end items produced under this effort. These engineering services shall include the identification of alternatives to obsolete items, the redesign of assemblies, modules, and systems again to deal with obsolescence and the repair of items produced under this effort. The Contractor shall identify any obsolescence issues and or repair requirements together with a mitigation plan. This plan shall detail the required labor, material and material burden necessary to implement the mitigation plan. The Government will evaluate the proposed plan for obsolescence mitigation or repair and may issue a specific task to implement the proposed plan.

3.6 Pods, Product Item 3.6.

The contractor shall complete the requirements for Pods effort and tasks in accordance with the Performance Specification and/or the Technical Data Packages in addition to Military Standards, Other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

Specific work tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor may be required to provide engineering services as related to the end items produced under this effort. These engineering services shall include the identification of alternatives to obsolete items, the redesign of assemblies, modules, and systems again to deal with obsolescence and the repair of items produced under this effort. The Contractor shall identify any obsolescence issues and or repair requirements together with a mitigation plan. This plan shall detail the required labor, material and material burden necessary to implement the mitigation plan. The Government will evaluate the proposed plan for obsolescence mitigation or repair and may issue a specific task to implement the proposed plan.

3.7 Radomes, Product Item 3.7.

The contractor shall complete the requirements for Radomes effort and tasks in accordance with the Performance Specification and/or the Technical Data Packages in addition to Military Standards, Other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

Specific work tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor may be required to provide engineering services as related to the end items produced under this effort. These engineering services shall include the identification of alternatives to obsolete items, the redesign of assemblies, modules, and systems again to deal with obsolescence and the repair of items produced under this effort.

The Contractor shall identify any obsolescence issues and or repair requirements together with a mitigation plan. This plan shall detail the required labor, material and material burden necessary to implement the mitigation plan. The Government will evaluate the proposed plan for obsolescence mitigation or repair and may issue a specific task to implement the proposed plan.

4.0 OTHER CONSIDERATIONS

4.1 Government Furnished Items

All government furnished items will be returned to the government within 60 days of the completion of this order. The contractor will notify the Contracting Officer in writing for authorization deviating from the return of all government furnished information, equipment or materials.

4.1.1 Drawings:

The drawings listed in this SOW will be provided as Government Furnished Data (GFD) to the Contractor for the subsystems referenced in this SOW. The Contractor shall identify any additional required data during the course of work. The Contractor shall identify documentation that is maintained at the Contractor's facility.

4.1.2 Individual Test Equipment:

To reduce overall program costs the following specialized test equipment may be furnished on an as-required basis as GFE to the Contractor to support Contractor subsystem-level fabrication and testing efforts:

8328A Transmission Line Test Set
Manufacturer: Hewlett Packard
Quantity: 1
Loss Value: $60,000

494P Programmable Spectrum Analyzer
Manufacturer: Tektronics
Quantity: 1
Loss Value: $18,000 used

8672A Synthesized Signal Generator
Manufacturer: Hewlett Packard
Quantity: 1
Loss Value: $8,000 used

436A Power Meter
Manufacturer: Hewlett Packard
Quantity: 1
Loss Value: $1,200 used

The Contractor may request other test equipment. The Government will evaluate these requests against the availability of the subject equipment and notify the contractor if it can fulfill the request.

4.1.3 Government Furnished Material:

In order to reduce delivery time the Contractor may request the loan of long lead items in Government stock with subsequent replenishment. The material may be provided at the Government's option if existing or projected stock levels will not negatively impact the Government.

4.2 Security:

The performance of this requirement is UNCLASSIFIED.

4.3 Travel:

The contractor may be required to travel in the performance of this Task Order. If required, the Government will provide estimated travel to consist of the travel called out in the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

4.4 Performance Schedule:

Work shall commence upon award of this task order. The delivery schedule shall be based upon the date of completion of Government acceptance of the final delivery as specified within the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

4.5 Data/Reporting Requirements:

See Exhibit (A) Contract Data Requirements List for data and reporting requirements

4.6 Deviations And Engineering Change Proposals:

Requests for Deviations (RFD's) and Engineering Change Proposals (ECP's) of contract requirements shall be prepared for all proposed deviations, waivers or changes. All RFD's and ECP's shall be submitted to the Technical Coordinator for approval.

4.7 Drawing And Associated Lists :

If required, the contractor shall provide a level II Drawing and Associated List Data Package. The Data Package shall incorporate all approved ECP's and shall accurately depict the final Product Item design. The COR reserves the right to review all delivered data packages and to return suggestions and redlines to the contractor for incorporation.

5.0 SPECIAL CONSIDERATIONS:

The Technical Coordinator and Alternate for this task order are:

Technical Coordinator
Tom Williams
Code 539400E
NAWCWPNS, Pt Mugu

Telephone (805) 989-583-3538

Alternate Technical Coordinator:
Ben Rasnick

April 26, 2007

Code 539400E
NAWCWPNS, Pt Mugu

Telephone (805) 989-3538

THREAT RADAR SIMULATORS SUBSYSTEM SUPPORT
INTEGRATED PROGRAM PLAN (IPP)

Contract No: N68936-04-D-0019/TO#0008

1.0 INTRODUCTION.

The Statement of Objectives (SOO) for the Threat Radar Simulators Subsystem Support defines the procurement of seven classes of product items and requires the contractor to provide monthly status reports and cost schedule status reporting (C/SSR). The SOO is the authorizing document for the Integrated Program Plan (IPP). This IPP addresses the specific hardware deliverables, documentation and necessary tasks to support the Threat Radar Simulators Subsystem. The IPP shall be used as the defining instrument to detail and account for the responsibilities of the contractor in reference to each product item required in the SOO. These product items shall be completed Electronic Countermeasures and Threat Radar Simulator subsystems that the contractor delivers to the Airborne Threat Simulation Team (ATST). The product items addressed by this IPP are as follows.

1. Amplifiers, Transmitters & Magnetrons: Product Item 3.1
2. Antenna Systems: Product Item 3.2
3. Bracketry, Cables & Enclosures: Product Item 3.3
4. Decoys & Launchers: Product Item 3.4
5. Electronic Assemblies: Product Item 3.5
6. Pods: Product Item 3.6
7. Radomes: Product Item 3.7

1.1 SCOPE.

The IPP contains the appropriate tasks and data requirements for each Product Item along with requirement descriptions. The SOO addresses Electronic Countermeasures and Threat Radar Simulator subsystems. Product Items of both electronic attack and radar simulators that are used in aerial targets and carried onboard manned aircraft in AN/ALQ-167, DLQ-9, AST-6 and AST-9 pods.

The Contractor is tasked to deliver various subsystems for Electronic Countermeasures and Threat Radar Simulators based on the Government's applicable performance specifications and/or current drawing package as defined in the Threat Radar Simulators (TRS) Subsystem Integrated Project Plan (IPP) Applicable Document 2.1.

In addition, on a case-by-case basis, tasking may include unit repair or redesign due to system obsolescence or documentation issues.

In circumstances of unit repair, the contractor will be tasked to repair units at the Government's discretion. The Government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the Government an itemized fixed priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit into an operational status. The Government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.

For circumstances due to system obsolescence, the contractor will be tasked to perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the Government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The Government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

1.2 GOVERNING DOCUMENTS.

SOO: The SOO defines and authorizes the final Product Items the contractor shall deliver.

IPB: The IPB is the governing document defining the scope of the current Product Item tasks and requirements.

IPP: The IPP is the document used to technically define the tasks and data requirements to be performed or delivered.

Document Precedence: Specific work tasks shall be carried out in accordance with the current Threat Radar Simulators Subsystem Support Statement of Objectives (SOO). In all cases the SOO shall take precedence over all other documents.

2.0 APPLICABLE DOCUMENTS.

The following documents are applicable in the performance of the SOO.

2.1 Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP).
2.2 Most current Threat Radar Simulators (TRS) Subsystems Integrated Project Baseline (IPB).

3.0 REQUIREMENTS.

The following paragraphs call out each Product Item's tasks and data requirement items required of the contractor. The contractor shall perform in accordance with the Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) and Threat Radar Simulators (TRS) Subsystems Integrated Project Baseline (IPB) Listed under section 2.0. (Applicable documents 2.1 & 2.2).

Tasking shall include delivery, unit repair, and, under certain circumstances, redesign due to system obsolescence for the following Product Items. This effort shall be performed under the premises of ISO-9000.

1. Amplifiers, Transmitters & Magnetrons: Product Item 3.1
2. Antenna Systems: Product Item 3.2
3. Bracketry, Cables & Enclosures: Product Item 3.3
4. Decoys & Launchers: Product Item 3.4
5. Electronic Assemblies: Product Item 3.5
6. Pods: Product Item 3.6
7. Radomes: Product Item 3.7

3.1 AMPLIFIERS, TRANSMITTERS & MAGNETRONS: PRODUCT ITEM 3.1

The contractor shall complete the requirements for the Amplifiers, Transmitters & Magnetrons effort and tasks in accordance with the Performance Specifications and/or the Technical Data Packages in addition to Military Standards and other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

The contractor shall deliver, in quantities identified in the current Integrated Project Baseline, the following hardware to the Government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the Government's discretion. The Government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the Government an itemized fixed-priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit up to an operational status. The Government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolescence and, if necessary, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the Government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The Government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.1.1 AN/DPT-1B Transmitter
3.1.2 AN/DPT-2B/C Transmitter
3.1.3 T1653 AN/UPT-2B Transmitter
3.1.4 500 Watt Power Amplifier
3.1.5 Magnetron Tuner
3.1.6 Magnetron, J Band (L-4947)
3.1.7 Magnetron, I Band (L-4936)
3.1.8 Magnetron, I Band (L-4972)
3.1.9 Magnetron, J Band (13 GHz)
3.1.10 Magnetron, 9.7 to 10.0 GHz
3.1.11 Magnetron, 6.7 to 7.4 GHz (VMC-1941 & VMC-1515)
3.1.12 Magnetron, 9.370 GHz (VMX-1942)
3.1.13 Magnetron, (VMU-1359)
3.1.14 Magnetron, (VMU-1934)
3.1.15 Magnetron, (L-4820)
3.1.16 Magnetron, J Band (L-4747)
3.1.17 Magnetron, I Band (VMX-1241)
3.1.18 Magnetron, H/I Band (VMX-1809)
3.1.19 Magnetron, H/I Band (SFD-349)
3.1.20 Magnetron, J Band (VMU-1281)
3.1.21 Magnetron, J Band (VMU-1039)
3.1.22 RWT G Band
3.1.23 RWT I Band
3.1.24 TWT 2kW
3.1.25 RF Amplifier

3.2 ANTENNA SYSTEMS: PRODUCT ITEM 3.2

The contractor shall complete the requirements for the Antenna Systems effort and tasks in accordance with the Performance Specifications and/or the Technical Data Packages in addition to Military Standards, Other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

The contractor shall deliver, in quantities identified in the current Integrated Project Baseline, the following hardware to the Government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the Government's discretion. The Government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the Government an itemized fixed-priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit up to an operational status. The Government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolescence and if necessary, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the Government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The Government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.2.1 Adaptive Cross Polarization Assemblies
3.2.2 Cross Polarization Antennas
3.2.3 Non-Adaptive Cross Polarization Modulators
3.2.4 Mini Cross Polarization Antenna (arm mounted)
3.2.5 Mini Cross Polarization Antenna (BQM-74)
3.2.6 Mini Cross Polarization Antenna (DLQ-9)
3.2.7 Terrain Bounce Antenna
3.2.8 Mini Cross Polarization Modulator
3.2.9 Horn Antenna
3.2.10 Dish Antenna

3.3 BRACKETRY, CABLES & ENCLOSURES: PRODUCT ITEM 3.3

The contractor shall complete the requirements for the Bracketry, Cables & Enclosures effort and tasks in accordance with the Performance Specifications and/or the Technical Data Packages in addition to Military Standards, Other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

The contractor shall deliver, in quantities identified in the current Integrated Project Baseline, the following hardware to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the Government's discretion. The Government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the Government an itemized fixed-priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit up to an operational status. The Government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolescence and if necessary, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the Government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The Government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.3.1 Hydra Interconnection Cable
3.3.2 RWR Lite Assembly
3.3.3 Rotator
3.3.4 Tripod
3.3.5 Tripod Head

3.4 DECOYS & LAUNCHERS: PRODUCT ITEM 3.4

The contractor shall complete the requirements for Decoys & Launchers effort and tasks in accordance with the Performance Specifications and/or the Technical Data Packages in addition to Military Standards, Other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.
The contractor shall deliver, in quantities identified in the current Integrated Project Baseline, the following hardware to the Government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the Government's discretion. The Government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the Government an itemized fixed-priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit up to an operational status. The Government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolescence and if necessary, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the

Government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The Government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.4.1 Fiber Optic Receiver
3.4.2 Fiber Optic Transmitter
3.4.3 FOTD Launcher Type I
3.4.4 FOTD Launcher Type II
3.4.5 FOTD Tow Lines
3.4.6 AOB Installation Kit
3.4.7 FOTD Mini Universal Control Box
3.4.8 FOTD Mod Kits

3.5 ELECTRONIC ASSEMBLIES: PRODUCT ITEM 3.5

The contractor shall complete the requirements for Electronic Assemblies effort and tasks in accordance with the Performance Specifications and/or the Technical Data Packages in addition to Military Standards, Other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

The contractor shall deliver, in quantities identified in the current Integrated Project Baseline, the following hardware to the Government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the Government's discretion. The Government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the Government an itemized fixed-priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit up to an operational status. The Government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolescence and if necessary, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the Government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The Government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).

4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.5.1 Advanced Power Monitor
3.5.2 High Voltage Power Supply (HVPS)
3.5.3 Hydra Receiver Card
3.5.4 Miniature Telemetry Pack (with and without GPS)
3.5.5 RF Interface Box
3.5.6 Mini-RF Interface Box
3.5.7 RWR Lite Response Monitors
3.5.8 Mini Universal Control Box
3.5.9 Controller/Stepper Motor
3.5.10 ULQ-24B
3.5.11 Power Supply 28v
3.5.12 Controller
3.5.13 Wingchecker

3.6 PODS: PRODUCT ITEM 3.6

The contractor shall complete the requirements for Pods effort and tasks in accordance with the Performance Specification and/or the Technical Data Packages in addition to Military Standards, Other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

The contractor shall deliver, in quantities identified in the current Integrated Project Baseline, the following hardware to the Government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the Government's discretion. The Government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the Government an itemized fixed-priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit up to an operational status. The Government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolescence and if necessary, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the Government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The Government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.6.1 AN/ALE-44 Pod

3.6.2 AN/AST-9 Pod Trays
3.6.3 AN/AST-9 Pods
3.6.4 AN/AST-9 Wiring Harnesses
3.6.5 AN/AST-9 Shipping Container
3.6.6 167 HA Pod/Tray
3.6.8 AN/DLQ-9

3.7 RADOMES: PRODUCT ITEM 3.7

The contractor shall complete the requirements for Radomes effort and tasks in accordance with the Performance Specification and/or the Technical Data Packages in addition to Military Standards, Other Government and Industrial Documents, as stated in the most current Threat Radar Simulators (TRS) Subsystems Integrated Project Plan (IPP) Applicable Document 2.1.

The contractor shall deliver, in quantities identified in the current Integrated Project Baseline, the following hardware to the government.

The specific tasks shall be carried out in accordance with the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

The contractor shall perform the following required tasks.

Contractor Responsibilities:

1. The Contractor shall deliver quantities as noted in the IPB, document 2.2.
2. If necessary, the contractor will be tasked to repair units at the Government's discretion. The Government will request that the contractor evaluate specific units for repair. The contractor is then responsible for providing the Government an itemized fixed-priced cost proposal (i.e. labor, material, burdening rates) detailing repairs necessary to bring unit up to an operational status. The Government will then evaluate the contractor's unit repair proposal and provide the contractor authorization to proceed with unit repairs or direct that the unit be returned, "As is" or stripped for parts.
3. The contractor will monitor all units for system obsolescence and if necessary, will perform a system obsolescence review. Once a review is complete, the contractor will identify the problem to the Government and provide an estimated design upgrade cost proposal that will itemize the costs (i.e. labor, material, burdening rates) associated with the upgrade. The Government will evaluate the proposal and determine whether to accept or reject the proposed design upgrade.

Data Requirements:

1. Monthly status report and schedule.
2. If required, Request for Deviation waiver.
3. If required, Engineering Change Proposal (ECP).
4. If required due to obsolescence, a level 2 drawing package including parts list, assembly diagrams, schematics, OEM manuals and data sheets.

3.7.1 AN/AST-9 Radomes
3.7.2 AN/DLQ-9 Forward Radome
3.7.3 AN/DLQ-9 Aft Radome
3.7.4 AN/AST-6 Radome
3.7.5 Low Gain Radome
3.7.6 High Gain Radome

4.0 OTHER CONSIDERATIONS

4.1 GOVERNMENT FURNISHED ITEMS

4.1.1 Drawings

The drawings listed in the SOO will be provided as Government Furnished Data (GFD) to the Contractor for the subsystems referenced in the SOO. The Contractor shall identify any additional required data during the course of work. The Contractor shall identify documentation that is maintained at the Contractor's facility.

4.1.2 Individual Test Equipment

To reduce overall program costs the following specialized test equipment may be loaned on an as-required basis as GFE to the Contractor to support Contractor subsystem-level fabrication and testing efforts:

8328A Transmission Line Test Set
Manufacturer: Hewlett Packard
Quantity: 1

494P Programmable Spectrum Analyzer
Manufacturer: Tektronics
8672A Synthesized Signal Generator
Quantity: 1

Manufacturer: Hewlett Packard
Quantity: 1

436A Power Meter
Manufacturer: Hewlett Packard
Quantity: 1

The Contractor may request other test equipment. The Government will evaluate these requests against the availability of the subject equipment and notify the contractor if it can fulfill the request.

4.1.3 Government Furnished Material

In order to reduce delivery time the Contractor may request the loan of long lead items in Government stock with subsequent replenishment. The material may be provided at the Government's option if existing or projected stock levels will not negatively impact the Government.

4.2 TRAVEL

The government anticipates that the contractor may be required to travel to NAWC-WD approximately twice a quarter during the performance of this order. If required, the Government will provide estimated travel to consist of the travel called out in the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

4.3 PERFORMANCE SCHEDULE

Work shall commence upon award of this task order. The delivery schedule shall be based upon the date of completion of Government acceptance of the final delivery as specified within the most current Threat Radar Simulators Subsystems Integrated Project Baseline (IPB) Applicable Document 2.2.

4.4 MONTHLY STATUS REPORT (CDRL A001)

In support of this task order, the Contractor shall deliver a monthly status report that includes a summary of the work performed, problems encountered, problems resolved, current schedules, and time and cost information, including reporting period and cumulative funds and hours planned and expended. The report shall be in the Contractor's format. This report shall be provided to the Technical Coordinator no later than 10 working days following the end of the Contractor's monthly accounting period.

4.5 DEVIATIONS AND ENGINEERING CHANGE PROPOSALS (CDRL's A002 & A003)

Requests for Deviations (RFD's) and Engineering Change Proposals (ECP's) of contract requirements shall be prepared for all proposed deviations or changes. All RFD's and ECP's shall be submitted to the Technical Coordinator for approval.

4.6 DRAWING AND ASSOCIATED LISTS (CDRL A004)

If required, the contractor shall provide a level II Drawing and Associated List Data Package. The Data Package shall incorporate all approved ECP's and shall accurately depict the final Product Item design. The COR reserves the right to review all delivered data packages and to return suggestions and redlines to the contractor for incorporation.

5.0 SPECIAL CONSIDERATIONS

The Technical Coordinator and Alternate Technical Coordinator for this task order are as follows:

Technical Coordinator
Chris Meyer
Code 539400E
NAWC-WD, Pt Mugu
Telephone (805) 989-989-5408

Alternate Technical Coordinator:
Tom Williams
Code 539400E
NAWC-WD, Pt Mugu
Telephone (805) 989-3538

N68936-04-D-0019

DELIVERY ORDER 0008

ATTACHMENT #3

WITHHELD IN ITS ENTIRETY

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 12

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO.	2. DELIVERY ORDER/ CALL NO.	3. DATE OF ORDER/CALL (YYYYMMMDD)	4. REQ./ PURCH. REQUEST NO.	5. PRIORITY
N68936-04-D-0019	0009	2007 Jul 09	See Schedule	

6. ISSUED BY CODE N68936
CDR NAWCWD CODE 220000D
ATTN: B. MONCKTON
(760) 939-8234
429 E BOWEN RD - STOP 4015
CHINA LAKE CA 93555-6108

7. ADMINISTERED BY *(if other than 6)* CODE S0107A
DCMA HUNTSVILLE
BUILDING 4505, SUITE 301
MARTIN ROAD
REDSTONE ARSENAL AL 35898-0001

8. DELIVERY FOB
[X] DESTINATION
[ ] OTHER
(See Schedule if other)

MS Requirement

9. CONTRACTOR CODE 1H996 FACILITY
NAME AND ADDRESS
TYBRIN CORPORATION
JOE JAMES
1030 TITAN COURT
FORT WALTON BEACH FL 32547

10. DELIVER TO FOB POINT BY (Date) *(YYYYMMMDD)*
SEE SCHEDULE

11. MARK IF BUSINESS IS
[ ] SMALL
[ ] SMALL DISADVANTAGED
[ ] WOMEN-OWNED

12. DISCOUNT TERMS

13. MAIL INVOICES TO THE ADDRESS IN BLOCK
See Item 15

14. SHIP TO CODE N68936
CDR NAWCWD CODE 539500D
GARON HARRIS
1 ADMIN CIRCLE - STOP 1106
CHINA LAKE CA 93555-6100

15. PAYMENT WILL BE MADE BY CODE HQ0338
DFAS - COLUMBUS CENTER
SOUTH ENTITLEMENT OPERATIONS
PO BOX 182264
COLUMBUS OH 43218-2264

MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.

16. TYPE OF ORDER			
	DELIVERY/ CALL	X	This delivery order/call is issued on another Government 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 (YYYYMMMDD)

[X] If this box is marked, supplier must sign Acceptance and return the following number of copies: 1

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
TEL: (760) 939-6043
EMAIL: mary.jacobs@navy.mil
BY: MARY K. JACOBS
Mary Jacobs
CONTRACTING / ORDERING OFFICER

25. TOTAL $6,998,025.00
26. DIFFERENCES

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

b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE | c. DATE (YYYYMMMDD) | d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE

e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE

f. TELEPHONE NUMBER | g. E-MAIL ADDRESS

36. I certify this account is correct and proper for payment.
a. DATE (YYYYMMMDD) | b. SIGNATURE AND TITLE OF CERTIFYING OFFICER

28. SHIP NO. | 29. DO VOUCHER NO. | 30. INITIALS

[ ] PARTIAL [ ] FINAL

31. PAYMENT
[ ] COMPLETE [ ] PARTIAL [ ] FINAL

32. PAID BY

33. AMOUNT VERIFIED CORRECT FOR

34. CHECK NUMBER

35. BILL OF LADING NO.

37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMMDD)	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		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

CES II - TARIF
CPAF
Under CLIN 0003 of Basic Contract. In accordance with Statement of Work "TACTS/ACTS Software Sustainment and Enhancement."
FOB: Destination
PURCHASE REQUEST NUMBER: 0010211982

MAX COST	$1,972,729.00
BASE FEE	$44,925.00
SUBTOTAL MAX COST + BASE	$2,017,654.00
MAX AWARD FEE	$70,700.00
TOTAL MAX COST + FEE	$2,088,354.00

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000101		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
TARIF. Startup costs.
FOB: Destination
PURCHASE REQUEST NUMBER: 0010211982

ACRN AA $10,000.00
CIN: 001021198200001

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000102		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
TARIF. F/A-18 MIS SYSTEM. In accordance with Statement of Work.
FOB: Destination
MILSTRIP: N0001907WX09787
PURCHASE REQUEST NUMBER: 0010219259
ADDITIONAL MARKINGS: FMS Case: RSN: 018, PDLI: 18A00

b(4)

ACRN AB $109,728.00
CIN: 001021925900001

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000103		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
TARIF. F/A-18 MIS SYSTEM. In accordance with Statement of Work.
NAVAIR.
FOB: Destination
MILSTRIP: N0001907WX04761
PURCHASE REQUEST NUMBER: 0010219259

ACRN AC $102,716.00
CIN: 001021925900002

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000104		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
TARIF F/A-18 MIS SYSTEM. In accordance with Statement of Work.

FOB: Destination
MILSTRIP: N0001907WX01575
PURCHASE REQUEST NUMBER: 0010219259
ADDITIONAL MARKINGS: FMS Case: b(4) RSN: 012, PDLI: 12B2

ACRN AD $198,321.00
CIN: 001021925900003

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000105		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
TARIF. F/A-18 MIS SYSTEM. In accordance with Statement of Work.
NAVAIR.
FOB: Destination
MILSTRIP: N0001907WX05421
PURCHASE REQUEST NUMBER: 0010219259

ACRN AE $214,123.00
CIN: 001021925900004

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000106		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
TARIF. F/A-18 MIS SYSTEM. In accordance with Statement of Work.
NAVAIR.
FOB: Destination
MILSTRIP: N0001907WX05421
PURCHASE REQUEST NUMBER: 0010219259

ACRN AF $71,160.00
CIN: 001021925900005

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000107		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

FOR NAVY ACCOUNTING PURPOSES ONLY
CPAF
TARIF. F/A-18 MIS SYSTEM. In accordance with Statement of Work.

FOB: Destination
MILSTRIP: N0001907WX05892
PURCHASE REQUEST NUMBER: 0010219259
ADDITIONAL MARKINGS: FMS Case: b(4) , RSN: 001, PDLI: 1A0000

ACRN AG $213,235.00
CIN: 001021925900006

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0002		UNDEFINED	Dollars, U.S.		NSP

DATA REQUIREMENTS
CPAF
In accordance with Exhibit A, Contract Data Requirements List.
FOB: Destination
NSP – Not Separately Priced.

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0003		UNDEFINED	Dollars, U.S.	UNDEFINED	UNDEFINED

CES II - TARIF
CPAF
Under CLIN 0005 of Basic Contract. In accordance with Statement of Work "TACTS/ACTS Software Sustainment and Enhancement."
FOB: Destination

MAX COST	$4,635,074.00
BASE FEE	$108,548.00
SUBTOTAL MAX COST + BASE	$4,743,622.00
MAX AWARD FEE	$166,049.00
TOTAL MAX COST + FEE	$4,909,671.00

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0004		UNDEFINED	Dollars, U.S.		NSP

DATA REQUIREMENTS
CPAF
In accordance with Exhibit A, Contract Data Requirements List.
FOB: Destination
NSP Not Separately Priced

B NOTE

BASE FEE AND AWARD FEE FOR LEVEL-OF-EFFORT ORDER (CLIN 0001)

In accordance with the basic contract, base fee shall for work performed under this order is

CLIN	Base Fee Amount	Hours Per Level of Effort	
0001	$44,925	16,160	**$2.78**

provided that the maximum number of direct labor hours are expended.

The nature of the work under this task order is level-of-effort. As such, milestones defining specific outcomes cannot be defined in terms of quantity and schedule with any certainty. Funding will be obtained from a variety of sources as work is required. Therefore, the award fee pool available in any given evaluation period will be associated with the level-of-effort expended during that period.

First award fee period will be from date of award to Sep 30, 2007. Thereafter, award fee will be paid on a biannual (six month) basis (Oct 1 – Mar 31; Apr 1 – Sep 30). In addition to the base fee set forth herein, the contractor may earn and be paid all or a portion of an award fee not to exceed **$70,700** provided that approximately 16,160 direct labor hours are expended by the contractor. The maximum available award fee pool for any award fee period will be computed at the maximum rate of **$4.375** per direct hour invoiced by the contractor under the task order for the related award fee period. If less than 100% of the direct labor hours for the tasks are expended the fee shall be equitably reduced to reflect the reduction in work.

The Contractor is to set aside an award fee amount from each funding SLIN based on the level of effort for the associated task.

BASE FEE AND AWARD FEE FOR LEVEL-OF-EFFORT ORDER (CLIN 0003)

In accordance with the basic contract, base fee shall for work performed under this order is

CLIN	Base Fee Amount	Hours Per Level of Effort	
0003	$108,548	37,954	**$2.86**

provided that the maximum number of direct labor hours are expended.

The nature of the work under this task order is level-of-effort. As such, milestones defining specific outcomes cannot be defined in terms of quantity and schedule with any certainty. Funding will be obtained from a variety of sources as work is required. Therefore, the award fee pool available in any given evaluation period will be associated with the level-of-effort expended during that period.

First award fee period will be from Dec 1, 2007 to Mar 31, 2008. Thereafter, award fee will be paid on a biannual (six month) basis (Oct 1 – Mar 31; Apr 1 – Sep 30). In addition to the base fee set forth herein, the contractor may earn and be paid all or a portion of an award fee not to exceed **$166,049** provided that approximately 37,954 direct labor hours are expended by the contractor. The maximum available award fee pool for any award fee period will be computed at the maximum rate of **$4.375** per direct hour invoiced by the contractor under the task order for the related award fee period. If less than 100% of the direct labor hours for the tasks are expended the fee shall be equitably reduced to reflect the reduction in work.

The Contractor is to set aside an award fee amount from each funding SLIN based on the level of effort for the associated task.

This order is determined to be **NONSEVERABLE**.

In accordance with 52.244-2(e) SUBCONTRACTS of the basic contract, the Contracting Officer's written consent is required for subcontracts valued at **$20,000** or greater for this order. This consent is in effect until **Dec 14, 2007** unless revised by modification.

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	Destination	Government	Destination	Government
000101	Destination	Government	Destination	Government
000102	Destination	Government	Destination	Government
000103	Destination	Government	Destination	Government
000104	Destination	Government	Destination	Government
000105	Destination	Government	Destination	Government
000106	Destination	Government	Destination	Government
000107	Destination	Government	Destination	Government
0002	Destination	Government	Destination	Government
0003	Destination	Government	Destination	Government
0004	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001	POP 09-JUL-2007 TO 30-NOV-2008	N/A	CDR NAWCWD CODE 539500D GARON HARRIS 1 ADMIN CIRCLE - STOP 1106 CHINA LAKE CA 93555-6100 (760) 939-2588 FOB: Destination	N68936
0002	N/A	N/A	N/A	N/A
0003	POP 09-JUL-2007 TO 30-NOV-2008	N/A	CDR NAWCWD CODE 539500D GARON HARRIS 1 ADMIN CIRCLE - STOP 1106 CHINA LAKE CA 93555-6100 (760) 939-2588 FOB: Destination	N68936
0004	N/A	N/A	N/A	N/A

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930 NH2C 252 77777 0 054219 2F 000000
COST CODE: 011797170020
AMOUNT: $10,000.00
CIN 001021198200001: $10,000.00

AB: 97X4930 NH2C 252 77777 0 054219 2F 000000
COST CODE: 012068430710
AMOUNT: $109,728.00
CIN 001021925900001: $109,728.00

AC: 97X4930 NH2C 252 77777 0 054219 2F 000000
COST CODE: 011925530710
AMOUNT: $102,716.00
CIN 001021925900002: $102,716.00

AD: 97X4930 NH2C 252 77777 0 054219 2F 000000
COST CODE: 011945160710
AMOUNT: $198,321.00
CIN 001021925900003: $198,321.00

AE: 97X4930 NH2C 252 77777 0 054219 2F 000000
COST CODE: 011876870710
AMOUNT: $214,123.00
CIN 001021925900004: $214,123.00

AF: 97X4930 NH2C 252 77777 0 054219 2F 000000
COST CODE: 011986610710
AMOUNT: $71,160.00
CIN 001021925900005: $71,160.00

AG: 97X4930 NH2C 252 77777 0 054219 2F 000000
COST CODE: 011999090710
AMOUNT: $213,235.00
CIN 001021925900006: $213,235.00

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Exhibit A	Contract Data Requirements List	3	26APR07
Attachment (1)	TACTS/ACTS Software Sustainment and Enhancement Statement of Work	6	27APR07
Attachment (2)	Integrated Project Baseline	3	11MAR07

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA. 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP TM OTHER: MGMT

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
TARIF	N68936-04-D-0019/0009	Tybrin

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A001	**Program Progress Report**	**Monthly Status Report**

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-80555	SOW Para 4.5	NAWCWD 539510D

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	SEE BLK 16	MTHLY	35 DARO
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
N/A		EOM	EOM+ 10 DAYS

Block 16 Remarks

Block 4: Tailor DID as follows: Contractor format authorized provided that the DID is used as a guideline.

Block 9: Distribution statement will be provided by the Government prior to 1st submittal.

Block 14: Submit on magnetic media, format to be agreed upon between the Government and the Contractor prior to submittal of this data item.
Submission of this report by electronic mail is preferable.
Garon.Harris@navy.mil
david.baur@navy.mil

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
NAWC: 539510D	0	1	0
NAWC: 2542000D	0	1	0
NAWC: 535D00D	0	1	0
15. TOTAL →	0	3	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Naval Air Warfare Center Weapons Division China Lake, CA 93555	070426		070426

DD Form 1423-1, 1 Jun 9090

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA. 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP TM OTHER: MISC

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
TARIF	N68936-04-D-0019/0009	Tybrin

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A002	TECHNICAL REPORT – STUDY/SERVICES	SPR, STR, Technical Documentation, Reviews, Plans, Summaries, Analysis, Schedules, CIs, Baselines

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MISC-80508B	SOW 3.1.1, 3.1.2, 3.2, 3.3, 3.9.1, 3.10, 3.11	NAWCWD 539510D

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	SEE BLK 16	ASREQ	SEE BLK 16
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
N/A		N/A	SEE BLK 16

Block 16 Remarks

Block 4: Tailor DID as follows: Contractor format authorized provided that the DID is used as a guideline.

Block 9: Distribution statement will be provided by the Government prior to 1st submittal.

Block 12 & 13: Shall be delivered NLT 15 DA identification of problem.

Block 14: Submit on magnetic media, format to be agreed upon between the Government and the Contractor prior to submittal of this data item.
Submission of this report by electronic mail is preferable.
Garon.Harris@navy.mil
david.baur@navy.mil

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
NAWC: 539510D	0	1	0
NAWC: 2542000D	0	1	0
NAWC: 535D00D	0	1	0
15. TOTAL →	0	3	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Naval Air Warfare Center Weapons Division China Lake, CA 93555	070426		070426

DD Form 1423-1, 1 Jun 9090

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA. 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government issuing Contracting Officer for Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP TM OTHER: MISC

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
TARIF	N68936-04-D-0019/0009	Tybrin

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A003	TECHNICAL REPORTS - STUDIES/SERVICES	Software Baselines

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MISC-80508B	SOW Para 3.1.1, 3.1.2, 3.2	NAWCWD 539510D

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	SEE BLK 16	SEMIA	100 DARO
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
N/A		SEE BLK 16	SEE BLK 16

Block 16 Remarks

Block 4: Tailor DID as follows: Contractor format authorized provided that the DID is used as a guideline.

Block 9: Distribution statement will be provided by the Government prior to 1st submittal.

Block 11 & 13: Shall be delived 10 DA end of each reporting period.

Block 14: Submit on magnetic media, format to be agreed upon between the Government and the Contractor prior to submittal of this data item.
Submission of this report by electronic mail is preferable.
Garon.Harris@navy.mil
david.baur@navy.mil

14. DISTRIBUTION	b. COPIES		
a. ADDRESSEE	Draft	Final	
		Reg	Repro
NAWC: 539510D	0	1	0
NAWC: 2542000D	0	1	0
NAWC: 535D00D	0	1	0
15. TOTAL →	0	3	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Naval Air Warfare Center Weapons Division China Lake, CA 93555	070426		070426

DD Form 1423-1, 1 Jun 9090

TACTS/ACTS SOFTWARE
SUSTAINMENT AND ENHANCEMENT
STATEMENT OF WORK
27 April 2007

1.0 SCOPE. The scope of this task order Statement of Work (SOW) requires the contractor to complete the following tasks as a team member of the Joint Navy Tactical Aircrew Combat Training System (TACTS), Air Force Air Combat Training System (ACTS), Navy Tactical Combat Training System (TCTS), and Air Force P5/Combat Training System Government/Industry Team. The contractor shall accomplish identified tasks in accordance with the applicable provisions of this CES II Task Order SOW (referenced within this SOW) and the CES II SOW.

2.0 APPLICABLE DOCUMENTS. The following documents are applicable in the performance of this Task Order SOW, latest versions shall apply.

2.1 Most current TACTS/ACTS Sustainment and Enhancement Integrated Project Baseline (IPB)
2.2 TARIF CM Plan, Policy, and Processes
2.3 TARIF Libraries Policy and Process
2.4 TARIF Process Policies
2.5 SEG Charter & Processes
2.6 SPR Development Process
2.7 TARIF Configuration Management Procedure
2.8 TARIF Online Libraries Procedure
2.9 TARIF PPQA Process
2.10 TARIF Process Quality Assurance Process
2.11 TARIF Project Closure Process
2.12 TARIF Project Execution Process
2.13 TARIF Project Initialization Process
2.14 TARIF Project Planning Process
2.15 TARIF Project Tracking Procedure
2.16 TARIF Requirements Management Process
2.17 TARIF Documentation Standards
2.18 TARIF Library File Naming Standards
2.19 Security Procedures

3.0 REQUIREMENTS.

3.1 Software Sustainment. The contractor shall sustain and maintain TACTS / ACTS / TCTS / P5CTS and Green Flag West and East ACTS software and hardware as required by the Government.

3.1.1 TARIF CCS. The contractor shall sustain and maintain the TARIF CCS software, all variants. The contractor shall maintain separate software baselines as required by the Government for the Interoperable ranges Common set of CCS software such as the Alaska ACTS ranges, Green Flag West (Fort Irwin, CA), Green Flag East (Fort Polk, LA) and Nellis AFB, NV, if Nellis is upgraded with a TARIF PC CCS. The TARIF will develop and integrate enhancements, implement modernization efforts, accomplish minor upgrades, and correct software code issues reported by operational locations in the field using Software Problem Reports (SPRs) and Software Trouble Reports (STRs). The contractor shall test new and modified software and subsystem hardware at the TARIF following sustainment and maintenance tasks. The TARIF will deliver updated/new software baselines to the various operational locations for installation along with any necessary hardware upgrades at the various TACTS / ACTS /Green Flag West and East Air Force, Army and Navy ranges (see paragraph 4.2 of this SOW for list of ranges) after successfully completing tests. The common software baseline will be updated and delivered on a continuous basis, every 6 months. (Ref: CES II SOW 3.2, 3.3, 3.5, 3.7, 3.8, 3.9, 4.1.3, 4.2)

3.1.2 Joint Debriefing System (JDS). The contractor shall sustain and maintain the Joint Debriefing System (JDS) software and hardware by integrating enhancements, implementing modernizations, accomplishing minor upgrades, and correcting software code issues reported by users employing TARIF Software Problem Reports (SPRs) and Software Trouble Reports (STRs). The software and hardware will be tested at the TARIF following integration of modified software modules or new hardware components. The software, and if required, hardware,

will be the installed along with the necessary upgrades at the various Navy, Marine Air Force, and Army ranges as required (see paragraph 4.2 of this SOW for list of potential ranges) after successful tests. The common software baseline will be updated and delivered on a continuous basis, every 6 months with the CCS software. (Ref: CES II SOW 3.2, 3.3, 3.5, 3.7, 3.8, 3.9, 4.1.3, 4.2)

3.2 Radar Acquisition Display System (RADS). The contractor shall sustain and maintain the TARIF Radar Acquisition Display System (RADS) software by integrating enhancements, implementing modernizations, accomplishing minor upgrades, and correcting software code issues reported by operational locations in the field using the TARIF Software Problem Reports (SPRs) and Software Trouble Reports (STRs). The software and hardware will be tested at the TARIF following integration of modified software modules or new hardware components. The software and if required hardware, will be the installed along with the necessary upgrades at the various Navy, Marine, Air Force and Army ranges as required (see paragraph 4.2 of this SOW for list of potential ranges) after successful tests. The common software baseline will be updated and delivered on a continuous basis, every 6 months with the CCS software. (Ref: CES II SOW 3.2, 3.3, 3.5, 3.7, 3.8, 3.9, 4.1.3, 4.2)

3.3 Navy TCTS and Air Force P5 CTS Programs Support. The contractor shall support the Navy TCTS and Air Force P5 CTS programs by providing in-sight into P5/TCTS contractor's design, development, testing, documentation, and software development; providing architectural distributive interface concepts; designing, coding, building, integrating, and testing non-high activity participant interface; and provide design, development, integration, and test to have the TACTS and ACTS ranges ready for interfacing and fielding to the TCTS. The contractor shall also support the acquisition, programming, and integration of cross-domain Radiant Mercury (RM) red/black security boundary separation devices. Some of the units may be integrated and tested at TARIF, a classified open storage facility, the YUMA Marine Corps Air Station (MCAS), Yuma, AZ, and various Navy and Marine and contractor operational locations. The contractor shall assist personnel from the Navy's Radiant Mercury program office and contractor support organization with rule-set development and documentation in order to obtain a System Security Accreditation Agreement (SSAA) for interfaces requiring red/black separation. (Ref: CES II SOW 3.2, 3.3, 3.5, 3.7, 3.8, 3.9, 3.10, 4.1.3, 4.2)

3.4 TENA. The contractor shall support the development of a Test and Training (T&E) Enabling Architecture (TENA) capability for TACTS ranges. The contractor shall assist with the development and test of a TACTS to TENA Gateway and integration of embedded TENA object models and TENA native capable software into TACTS/TCTS and ACTS/P5 CTS subsystems for distributing data from and to separate operational geographic locations participating in joint training and T&E exercises and JNTC, Battlespace, Network Centric, and Time Critical Strike training and T&E demonstrations and exercises. (Ref: CES II SOW 3.10.8, 4.1.3, and 4.2)

3.5 DIS and HLA. The contractor shall support development of Distributed Interactive Simulation (DIS) protocol and High Level Architecture (HLA) protocol TACTS/TCTS and ACTS/P5 CTS subsystem capabilities and interfaces as required for red-black trusted guard applications, data interfaces with virtual and constructive systems and subsystems such as virtual weapons simulations and aircraft cockpit simulators to support distributed mission concepts, demonstrations, and training and T&E exercises. (Ref: CES II SOW 3.10.8, 4.1.3, and 4.2)

3.6 Integration and Command and Control of Range Threat Simulation Systems

3.6.1 TARIF EW Server and EW MUX. The contractor shall support the development and fielding of an EW Server/Processor by the TARIF organization that will replace the EW functionality and range threat simulation system interface requirements in the common CCS. The EW Server/Processor will include the EW surface-to-air weapons simulations, an Integrated Air Defense System (IADS) simulation, and air-to-ground weapon simulations. The contractor shall provide manned and unmanned EW threat/EW Mux/EW Server interface upgrades, modernization, and enhancements for the EW Server, CCS, TCTS, and P5 CTS. (Ref: CES II SOW 3.1, 3.2, 3.3, 3.5, 3.7, 3.8, 3.9, 3.10.8, 4.1.3, and 4.2)

3.6.2 Ground Threat Simulation Systems Integration: The contractor shall provide EW ground threat simulation system operational assessment and integration engineering services. The contractor shall support the Government's efforts to integrate all types of ground threat simulation systems (old type threat systems that communicate via serial data links and newer threat simulation systems that communicate using Ethernet protocols) into TACTS / ACTS / TCTS / P5CTS subsystems. The contractor shall support the Government's efforts to monitor and command and control ground threat simulation systems from a mission monitoring or debriefing graphic workstation through the

TARIF CCS and EW Server or a TCTS/P5CTS and the TARIF EW Server. (Ref: CES II SOW 3.1, 3.2, 3.3, 3.5, 3.7, 3.8, 3.9, 4.1.3, and 4.2)

3.6.3 EW/Directed Energy System/Concept Assessments and Integration: The contractor shall assist the TARIF Team with their tasks to assess Electronic Warfare and Directed Energy concepts and applications. The contractor shall also support TARIF tasks involving the integration of EW/Directed energy systems into TACTS/ACTS or test range operational environments. (Ref: CES II SOW 3.1, 3.2, 3.5, 3.7, 3.8, 4.1.3, and 4.2)

3.7 Weapon Simulations. The contractor shall provide new, enhanced, and modified TACTS/ACTS and TCTS/P5CTS weapons simulations as required by the Government. The contractor shall support the maintenance and integration of capability upgrades to the High-Speed Anti-Radiation Missile (HARM) into TACTS/TCTS and the training in the use of the weapon system by combat aircrews. Weapons simulations will leverage new weapon simulation interface architectures when possible. (Ref: CES II SOW 3.2, 3.5, 3.7, 3.3, 3.7, 3.9, 3.10.8, 4.1.3, and 4.2)

3.8 Aircraft Subsystem Data Integration

3.8.1 Combat Aircraft Communication Subsystem Test and Integration. The contractor shall provide Flight Test Engineers to combat aircraft organizations (F-18/AV8B, F-15, F-16, A-10, F22, and JSF) to support TARIF TACTS/ACTS/P5/TCTS software and hardware sustainment and enhancement efforts. The contractor's engineers shall support integration of enhancements, specifically the required integration of Link-16 and other advanced weapon and communications system data. They will assist the TARIF Team with their efforts to modernize the software, make minor upgrades to satisfy range operations requirements, and make corrections reported in Software Problem Reports (SPRs) and Software Trouble Reports (STRs). (Ref: CES II SOW 3.2, 3.3, 3.5, 3.8, 3.9, 4.1.3, and 4.2)

3.8.1.1 The contractor's engineers shall support the F-18 AWL F-18 weapon system and communications system testing by preparing flight cards for F-18 aircraft communications and weapon system testing during system software development and software performance validation and verification phases. They shall prepare and present test flight briefings as required by the Government. They shall ensure traceability of flight test results to test objectives. The contractor's engineers shall prepare and communicate flight test objectives to AWL management and flight crews. They shall develop and present operational requirements for live fire events. They shall develop flight test profiles and develop addendums to flight test plans and obtains F/A-18 AWL CTP approval for test flight profile changes. (Ref: CES II SOW 3.2, 3.3, 3.5, 3.7, 3.8, 3.9, 4.1.3, and 4.2)

3.8.2 F-18 Program Management Information System. The contractor shall provide program management information system subject matter experts to support the development of web-based "online" management information system software applications. The contractor shall assist the Government with their development of web based MIS applications. (Ref: CES II SOW 3.2, 3.3, 3.5, 3.7, 3.8, 3.9, 4.1.3, and 4.2)

3.9 SEI CMMI. The contractor shall provide software engineering/development process improvement services using the SEI's Capability Maturity Model-Integrated (CMMI), Staged approach. (Ref: CES II SOW 3.5.9)

3.9.1 TARIF. The contractor shall participate in the TARIF's System Engineering Group (SEG), mini-SEGs, and process improvement projects and activities. The contractor shall document, inspect, and verify compliance with defined process areas leading to the achievement of a CMMI Level 3 maturity rating. (Ref: CES II SOW 3.5.9)

3.9.2 NAVAIR Software Resource Center (SRC). The contractor shall provide CMMI services as required to support the NAVAIR SRC define and develop process improvements within their numerous organizations. (Ref: CES II SOW 3.5.9)

3.10 Task Order Products. The following paragraphs identify the tasks and products required of the contractor. In all cases, the most current TACTS/ACTS Sustainment and Enhancement IPB with associated responsibilities and work levels shall apply (see Applicable Documents 2.1 through 2.19). The contractor shall adjust resources to comply with the monthly changing TACTS/ACTS Sustainment and Enhancement Microsoft Project IPB schedule. The contractor shall perform in accordance with the TARIF policies, processes, procedures, standards, and guidelines of paragraph 2.0. These documents detail the processes, criteria and oversight for software and hardware

development for the following: Requirements Management, Project Management (initialization, planning, execution and tracking, and closure), System Engineering, CMMI Software sustainment process improvement, Configuration Management, Supplier Agreement Management, Process Quality Assurance, Documentation and Facility Security.

3.10.1 Requirements Management: The contractor shall complete requirements analysis/allocation, interface definition, and requirements management tasks in accordance with applicable documents 2.4-TARIF Process Policies, 2.12-TARIF Project Execution Process, 2.13-TARIF Project Initialization Process, 2.14-TARIF Project Planning Process, 2.15-TARIF Project Tracking Procedure, 2.16-TARIF Requirements Management Process, and 2.1 the most current TACTS/ACTS Upgrade and Sustainment MS Project Integrated Project Baseline (IPB). Products required from the requirements management tasks are original and derived requirements established in the TARIF Requirements Matrix System (RMS).

3.10.2 Project Management: The contractor shall complete project management tasks in accordance with applicable documents 2.4-TARIF Process Policies, 2.11 TARIF Project Closure Process, 2.12-TARIF Project Execution Process, 2.13-TARIF Project Initialization Process, 2.14-TARIF Project Planning Process, 2.15-TARIF Project Tracking Procedure, 2.16-TARIF Requirements Management Process and 2.1 the most current TACTS/ACTS Upgrade and Sustainment MS Project Integrated Project Baseline (IPB). Products required from the project management tasks are Project Management Plan (PMP) and/or Project Executive Summary, risk analysis, cost estimate, and schedule in MS Project in accordance with the templates in the TARIF library.

3.10.3 Configuration Management: The contractor shall complete configuration manage tasks in accordance with applicable documents 2.4-TARIF Process Policies, 2.2-TARIF Configuration Management Plan, Policy, and Processes, 2.5-SEG Charter and Processes, 2.6-SPR Development Process, 2.7-TARIF Configuration Management Procedures, and 2.1 the most current TACTS/ACTS Upgrade and Sustainment MS Project Integrated Project Baseline (IPB). Software configurable items for each project and task shall be identified and stated in each project's PMP.

3.10.4 SEI CMMI Process Improvement: The contractor shall complete CMMI process improvement tasks in accordance with applicable documents 2.3-TARIF Library Policy and Process, 2.4-TARIF Process Policies, 2.5-SEG Charter and Processes, 2.8-TARIF On-line Library Procedures, 2.17-TARIF Documentation Standard, 2.18-TARIF Library Naming Standard, and 2.1 the most current TACTS/ACTS Upgrade and Sustainment MS Project Integrated Project Baseline (IPB). Products expected from the SEG are approved baselines to be used for project software development; Revision Field Designators (RFDs); comments to draft process procedure, standard, guideline, and technical documents; and approvals of TARIF process, procedure, standards, and guidelines documents or templates.

3.10.5 Quality Assurance: The contractor shall complete quality assurance tasks in accordance with applicable documents 2.4-TARIF Process Policies, 2.9-TARIF PPQA Process, 2.10-TARIF Process QA Process, and 2.1 the most current TACTS/ACTS Upgrade and Sustainment MS Project Integrated Project Baseline (IPB). Products required from the quality assurance tasks are results of QA audits conducted on products of TARIF processes such as but not limited to required documents in the project folders, project initialization, project planning, project execution, project closure, requirements management, CM, subcontracting and consulting, measurement collection, materials purchase, and PMP.

3.10.6 Documentation: The contractor shall complete documentation tasks in accordance with applicable document 2.4-TARIF Process Policies, 2.17-TARIF Documentation Standard and 2.1 the most current TACTS/ACTS Upgrade and Sustainment MS Project Integrated Project Baseline (IPB). The contractor is not responsible for delivery of a complete documentation package, or any particular document. The contractor is part of the team that will create, update and review the documentation packages.

3.11 Facility Operations and Maintenance: The contractor shall perform the following, but not limited, tasks: maintain the TARIF LAN and all equipment attached to it, plan and implement TARIF facilities and hardware implementation and maintenance, and work with hardware and software vendors and TARIF personnel to select and acquire tools required by TARIF, and 2.1, the most current TACTS/ACTS Upgrade and Sustainment MS Project Integrated Project Baseline (IPB).

3.12 Systems Engineering: The contractor shall perform systems engineering processes tasks in accordance with applicable documents 2.3-TARIF Library Policy and Process, 2.4-TARIF Process Policies, 2.5-SEG Charter

and Processes, 2.8-TARIF On-line Library Procedures, 2.17-TARIF Documentation Standard, 2.18-TARIF Library Naming Standard, and 2.1 the most current TACTS/ACTS Upgrade and Sustainment MS Project Integrated Project Baseline (IPB). Products expected from the SEG are approved baselines to be used for project software development; Revision Field Designators (RFDs); comments to draft process procedure, standard, guideline, and technical documents; and approvals of TARIF process, procedure, standards, and guidelines documents or templates.

3.13 Program Management: The contractor shall provide contract program management services as required to fully satisfy the tasks within this SOW.

4.0 Special Considerations

4.1 Government Furnished Items

4.1.1 Facilities: The contractor shall perform tasks at the TARIF. The TARIF will be made accessible for use in performance of this Task Order. The Government will provide dedicated workspace. (Ref: CES II SOW 4.1.2)

4.1.2 Equipment: The contractor is authorized is to share the use of the TARIF's Government computer resources (Laptops with unique software applications) on this Task Order.

4.2 Travel: The contractor will be required to travel in the performance of this Task Order. The Government estimates travel to consist of the travel called out in applicable document 2.1 the most current TACTS/ACTS Upgrade and Sustainment MS Project Integrated Project Baseline (IPB). The contractor is expected to adjust resources to comply with the monthly changing TACTS/ACTS Upgrade and Sustainment MS Project IPB, applicable document 2.1. (Ref: CES II SOW 4.2)

Over the life of the task order, the contractor may be required to travel to the following sites one or more times. Depending on the actual requirement, the Team traveling will vary mix wise (Government, contractor).

Locations where the contractor may travel to in the performance of his responsibilities are as follows: (Ref: CES II SOW 4.1.3)

US TACTS/ACTS Ranges (21)
- Interop Ranges (Fallon, Yuma, Oceana, Cherry Point, Beaufort, Tyndall, Gulfport, Key West, Wisconsin)
- Interop Remote Sites (El Centro, Miramar, Savannah, Ft. Stewart, Camp Lejeune, Homestead, Lemoore, Nellis)
- Alaska Ranges (Elmendorf and Eielson)
- Goldwater/Luke
- UTTR (Hill)
- US Training Ranges
- UTTR (Hill)
- Mountain Home
- Cannon AFB
- Texas Electronic Combat Ranges
- Other Training, Test and Evaluation, and National Guard ranges as required by the Government
- Patuxent River, MD, Hill AFB, UT, San Diego (Cubic, Protogate, etc.), Los Angeles area (GMM Interface Card Manufacturer)

b(4)

4.3 Material: The contractor will be required to procure material in the performance of this Task Order. The Government estimates material to consist of the material called out in applicable document 2.1 the most current TACTS/ACTS Upgrade and Sustainment MS Project Integrated Project Baseline (IPB). The contractor is expected to adjust resources to comply with the monthly changing TACTS/ACTS Upgrade and Sustainment MS Project IPB, applicable document 2.1

4.4 Security: The performance of this Task Order is classified at the level of Secret. The contractor shall perform physical security relative to classified material and facility security in accordance with applicable document 2.19 and CES II SOW paragraph 4.1.5.

4.5 Monthly Status Reports: In support of this task order, the contractor shall deliver a monthly Cost, Schedule and Status Report (C/SSR) in accordance with *CDRL A001*. The Contractor will deliver a monthly status report that includes a summary of work performed per project and task, problems encountered, problems resolved, current schedules and information, including period and cumulative funds/hours expended. This report will be provided to the Technical Coordinator no later than 10 working days following the end of the Contractor's monthly accounting period.

4.6 Technical Coordinator:

Garon Harris
Code 539500D
Telephone: 939-2588
Fax number: 939-3719

Alternate Technical Coordinator:

Dave Baur
Code 535100D
Telephone: 939-0292
Fax number: 939-0279

4.7 Delivery Schedule: Work shall commence upon award of this task order. The delivery schedule will be based upon the most current TACTS/ACTS Upgrade and Sustainment MS Project Integrated Project Baseline (IPB).

4.8 Project Costs: The contractor shall provide Project Cost Report in accordance with paragraph 4.5 of this SOW.

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SOW Para #	Activity ID	ACTIVITY TITLE	START	FINISH	GOVT HRS ESTIMATE	Qty	GOVT ESTIMATE
3.1.1	1.0	**TARIF PC CCS SW Sustainment**			2,440		
		System Engineering	01-Jun-07	30-Nov-08			
		Software Engineering	01-Jun-07	30-Nov-08			
		Threat Simulator Integration Eng					
		Configuration Mgt & Documentation	01-Jun-07	30-Nov-08			
		Subcontractor Labor					
	1.6	Travel (2 people, 1 wk each trip)	01-Jun-07	30-Nov-08		6	
	1.7	Material	01-Jun-07	30-Nov-08			$ 50,000
3.1.2	2.0	**Joint Debriefing System Software Sustainment**			9,850		
		System Engineering	01-Jun-07	30-Nov-08			
		Software Engineering	01-Jun-07	30-Nov-08			
		Configuration Mgt & Documentation	01-Jun-07	30-Nov-08			
		Subcontractor Labor	01-Jun-07	30-Nov-08			
	2.6	Travel (2 people, 1 wk each trip)	01-Jun-07	30-Nov-08		7	
	2.7	Material	01-Jun-07	30-Nov-08			$ 133,000
3.2	7.0	**RADS SW Baseline Sustainment**			5,348		
		System Engineering	01-Jun-07	30-Nov-08			
		Software Engineering	01-Jun-07	30-Nov-08			
		Configuration Mgt & Documentation	01-Jun-07	30-Nov-08			
		Subcontractor Labor	01-Jun-07	30-Nov-08			
	7.6	Travel (2 people, 1 wk each trip)	01-Jun-07	30-Nov-08		7	
	8.7	Material	01-Jun-07	30-Nov-08			$ 50,000
3.3	8.0	**TCTS/P5 Support**			7,350		
		System Engineering	01-Jun-07	30-Nov-08			
		Software Engineering	01-Jun-07	30-Nov-08			
		Threat Simulator Integration Eng					
		Configuration Mgt & Documentation	01-Jun-07	30-Nov-08			
		Subcontractor Labor	01-Jun-07	30-Nov-08			
	8.6	Travel (1 person, 1 wk each trip)	01-Jun-07	30-Nov-08		10	
	8.7	Material	01-Jun-07	30-Nov-08			$ 15,000
3.4	9.0	**TENA**			2,440		
		System Engineering	01-Jun-07	30-Nov-08			
		Software Engineering	01-Jun-07	30-Nov-08			
		Configuration Mgt & Documentation	01-Jun-07	30-Nov-08			
		Subcontractor Labor	01-Jun-07	30-Nov-08			
	9.6	Travel (1 person, 1 wk each trip)	01-Jun-07	30-Nov-08		6	
	9.7	Material	01-Jun-07	30-Nov-08			$ 65,000
3.5	10.0	**DIS/HLA**			860		
		System Engineering	01-Jun-07	30-Nov-08			
		Software Engineering	01-Jun-07	30-Nov-08			
		Configuration Mgt & Documentation	01-Jun-07	30-Nov-08			
		Subcontractor Labor	01-Jun-07	30-Nov-08			
	10.6	Travel (1 person, 1 wk each trip)	01-Jun-07	30-Nov-08		4	
	10.7	Material	01-Jun-07	30-Nov-08			$ 50,000
3.6	11.0	**Integration, Command, Control of Range Threat Simulation Systems**			6,040		
		System Engineering	01-Jun-07	30-Nov-08			
		Software Engineering	01-Jun-07	30-Nov-08			
		Threat Simulator Integration Eng					
		Configuration Mgt & Documentation	01-Jun-07	30-Nov-08			
		Subcontractor Labor	01-Jun-07	30-Nov-08			
	11.6	Travel (1 person, 1 wk each trip)	01-Jun-07	30-Nov-08		5	
	11.7	Material	01-Jun-07	30-Nov-08			$ 100,000
3.7	12.0	**Weapons Simulations**			3,890		
		System Engineering	01-Jun-07	30-Nov-08			
		Software Engineering	01-Jun-07	30-Nov-08			
		Threat Simulator Integration Eng					
		Configuration Mgt & Documentation	01-Jun-07	30-Nov-08			
		Subcontractor Labor	01-Jun-07	30-Nov-08			
	12.6	Travel (1 person, 1 wk each trip)	01-Jun-07	30-Nov-08		6	
	12.7	Material	01-Jun-07	30-Nov-08			$ 50,000
3.8	13.0	**Aircraft Subsystem Data Integration Support**			980		
		System Engineering	01-Jun-07	30-Nov-08			
		Software Engineering	01-Jun-07	30-Nov-08			
		Configuration Mgt & Documentation	01-Jun-07	30-Nov-08			
		Subcontractor Labor	01-Jun-07	30-Nov-08			

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SOW Para #	Activity ID	ACTIVITY TITLE	START	FINISH	GOVT HRS ESTIMATE	Qty	GOVT ESTIMATE
	13.6	Travel (2 person, 1 wk each trip)	01-Jun-07	30-Nov-08		10	
	13.7	Material	01-Jun-07	30-Nov-08			$ 100,000
3.9	14.0	**Software Sustainment Process Improvement IAW SEI CMMI Model**			3,660		
		System Engineering	01-Jun-07	30-Nov-08			
		Software Engineering	01-Jun-07	30-Nov-08			
		Configuration Mgt & Documentation	01-Jun-07	30-Nov-08			
		Subcontractor Labor	01-Jun-07	30-Nov-08			
	14.6	Travel (2 person, 1 wk each trip)	01-Jun-07	30-Nov-08		4	
	14.7	Material	01-Jun-07	30-Nov-08			$ 5,000
3.1.1	15.0	**2007.2 Release**			930		
		System Engineering	01-Jun-07	30-Nov-08			
		Software Engineering	01-Jun-07	30-Nov-08			
		Threat Simulator Integration Eng					
		Configuration Mgt & Documentation	01-Jun-07	30-Nov-08			
		Subcontractor Labor	01-Jun-07	30-Nov-08			
	15.6	Travel (1 person, 1 wk each trip)	01-Jun-07	30-Nov-07		3	
	15.7	Material	01-Jun-07	30-Nov-07			$ 10,000
3.1.1	15.0	**2008.1 Release**			930		
		System Engineering	01-Dec-07	30-Nov-08			
		Software Engineering	01-Dec-07	30-Nov-08			
		Threat Simulator Integration Eng					
		Configuration Mgt & Documentation	01-Dec-07	30-Nov-08			
		Subcontractor Labor	01-Dec-07	30-Nov-08			
	15.6	Travel (1 person, 1 wk each trip)	01-Dec-07	30-May-08		3	
	15.7	Material	01-Dec-07	30-May-08			$ 10,000
3.1.1	15.0	**2008.2 Release**			930		
		System Engineering	01-Jun-08	30-Nov-08			
		Software Engineering	01-Jun-08	30-Nov-08			
		Threat Simulator Integration Eng					
		Configuration Mgt & Documentation	01-Jun-08	30-Nov-08			
		Subcontractor Labor	01-Jun-08	30-Nov-08			
	15.6	Travel (1 person, 1 wk each trip)	01-Jun-08	30-Nov-08		2	
	15.7	Material	01-Jun-08	30-Nov-08			$ 10,000
3.11	21.0	**Facility O&M**	01-Jun-07	30-Nov-08	3,120		
		System Engineering	01-Jun-07	30-Nov-08			
		Software Engineering	01-Jun-07	30-Nov-08			
		Configuration Mgt & Documentation	01-Jun-07	30-Nov-08			
		Subcontractor Labor	01-Jun-07	30-Nov-08			
		Material				0	$ 25,000
3.12	22.0	**System Engineering**	01-Jun-07	30-Nov-08	2,880		
		System Engineering	01-Jun-07	30-Nov-08			
		Software Engineering	01-Jun-07	30-Nov-08			
		Threat Simulator Integration Eng					
		Configuration Mgt & Documentation	01-Jun-07	30-Nov-08			
		Subcontractor Labor	01-Jun-07	30-Nov-08			
		Travel (2 people, 1 wk each trip)	01-Jun-07	30-Nov-08		6	
		Material					$ 25,000
3.13	22.0	**PROGRAM MANAGEMENT**	01-Jun-07	30-Nov-08	3,600		
			01-Jun-07	30-Nov-08			
			01-Jun-07	30-Nov-08			
			01-Jun-07	30-Nov-08			
		Travel (1 person, 1 wk each trip)				6	
		TOTAL			**54,388**	**85**	**$ 696,000**

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SOW Para #	Activity ID	ACTIVITY TITLE	START	FINISH	GOVT HRS ESTIMATE	Qty	GOVT ESTIMATE