

RECORD REPRODUCTION COVER SHEET

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Subject:

F33657-01-D-2029

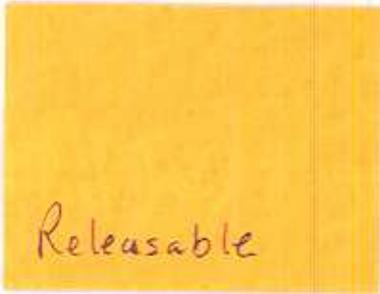
FOIA Control Number:

03-106LK

Date Reproduced:

3/17/2003

TAB 3, RELEASABLE RECORDS



Releusable

CONTRACT FILES

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE J - FFP	PAGE OF PAGES 1 of 5
2. AMENDMENT/MODIFICATION NO. P00009		3. EFFECTIVE DATE 08 JAN 2003		4. REQUISITION/PURCHASE REQ. NO.
6. ISSUED BY ASC/FBLK CODE		FA8607		5. PROJECT NO. (If applicable)
USAF/AFMC AERONAUTICAL SYSTEMS CENTER (ASC) ASC/FBK, 2725 C STREET WRIGHT-PATTERSON AFB OH 45433-7424 THOMAS J. REASTER 255-5869 X45885 Thomas.Reaster@wpafb.af.mil		7. ADMINISTERED BY (If other than Item 6) CODE S1005A DCM LOCKHEED MARTIN ORLANDO 5600 SAND LAKE RD MP 49 ORLANDO FL 32819-8907		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) LOCKHEED MARTIN CORPORATION MISSILES & FIRE CONTROL - ORLANDO 5600 SAND LAKE ROAD ORLANDO FL 32819-8907			(X)	9A. AMENDMENT OF SOLICITATION NO.
MAILING DATE JAN 08 2003				9B. DATED (SEE ITEM 11)
			X	10A. MODIFICATION OF CONTRACT/ORDER NO. F33657-01-D-2029
CCOE 04939		FACILITY CODE		
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended.				
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:				
(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER if by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATION OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
(X)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: () THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. ITEM 10A.			
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).			
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF FAR 43.103(a) and FAR 52.243-01 CHANGES -- FIXED-PRICE (AUG 1987)			
	D. OTHER (Specify type of modification and authority)			
E. IMPORTANT: Contractor <input type="checkbox"/> is not <input checked="" type="checkbox"/> is required to sign this document and return 1 copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) SUBJECT: Incorporation of the following CLINs into the requirements of the basic contract: 0103 "Commodity Manuals"; 0104 "Data From CDRL "C" Series"; 0124 "System Description Document (SDD)"; 0125 "Data From CDRL "D" Series". CHANGE IN PRICE: None CHANGE IN OBLIGATION: None. REVISED CEILING PRICE: \$843,623,250.00				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print) Michael A. Rushing Sniper Contracts Manager			16A. NAME AND TITLE OF SIGNER (Type or print) Contracting Officer	
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA
 (Signature of person authorized to sign)				16C. DATE SIGNED JAN 08 2003
		BY  (Signature of Contracting Officer)		

SCHEDULE OF CHANGES

1. In accordance with the terms and conditions of Contract F33657-01-D-2029; FAR 43.103(a) and FAR Clause 52.243-01 "Changes-Fixed Price (Aug 1987)", amendment P00009 is hereby issued to incorporate the following changes into the requirements of the basic contract as follows: incorporation of CLIN 0103 "Commodity Manuals"; CLIN 0104 "CDRL C001"; CLIN 0124 "System Description Document (SDD)"; CLIN 0125 "CDRL D001". As a result of these changes the NTE Ceiling price is hereby increased by \$502,811.00, from \$843,120,439.00 to \$843,623,250.00.

2. In accordance with the requirements called out in paragraph 1 above, the subject document is further modified as follows:

a. Section B, Supplies or Services is modified as set forth below.

b. Section H, Clause H-045 "Ordering Provision (Dec 2000)" Paragraph 6 "Deliveries" is revised as follows:

1) m. Source Data For TO Generation: delete "10 MARO"; add "15 October 2002";

2) p. Data is revised to read: "Delivered in accordance with the applicable CDRL exhibits listed in Section J of the Contract".

c. Section J, List of Attachments is modified as set forth below:

1) Incorporate Exhibit C - "C" Series Contract Data Requirements List" dated 30 October 2002, into the requirements of the contract.

2) Incorporate Exhibit D -"D" Series Contract Data Requirements List" dated 30 October 2002 into the requirements of the contract.

3) Attachment 1 "Statement of Work" (SOW) is revised as follows: ADD/CHANGE to read as follows:

Page 2- 77420004 Rev A Sniper System Specification (SS) (Aug 2002)

4) Para 1.2.1.1: "The Contractor shall prepare and Deliver a Sniper XR System Description Document (SDD) (CDRL D001 DI-IPSC-81430A/T)".

5) Para 1.9: "Where exercised by the Government, the Contractor shall provide technical data under CDRL Exhibits listed in Section J of the Contract.

6) Para(s) 2.1.3 and 2.2.3: " The Contractor shall provide commodity manuals for the F-16. The Contractor shall provide a commodity manual for two (2) pieces of Ground Support Equipment and for the Sniper XR Pod. The Contractor shall provide the commodity manuals in accordance with CDRLC001(TMCR-86-01H").

7) Attachment 8: Incorporate revised Contract and Summary Table 2 per the attached.

8) Attachment 9: Incorporate revised Contract CLIN-TO-SOW MATRIX per the attached.

3. All other contract terms and conditions remain unchanged and in full force and effect as a result of this modification.

SCHEDULE OF CHANGES

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0103	CLIN Establish		
	<p><i>Noun:</i> <i>NSN:</i> <i>DD1423 is Exhibit:</i> <i>Contract type:</i> <i>Inspection:</i> <i>Acceptance:</i> <i>FOB:</i> <i>Descriptive Data:</i></p>	<p>COMMODITY MANUALS N - Not Applicable C J - FIRM FIXED PRICE DESTINATION DESTINATION DESTINATION</p>	
	<p>The contractor shall provide two Commodity Manuals as follows:</p>		
	<p>A. Commodity (Maintenance) Manual for Sniper Technicians to maintain Support Equipment (SE) which consists of a Roll Brake Release Box (RBRB) and a Portable Maintenance Aid (PMA).</p>		
	<p>B. Commodity Manual for the Sniper XR Pod to show removal and installation procedures as used in an O-level shop with the pod on the maintenance stand. The manual will also include pod and Line Replaceable Unit (LRU)/Line Replaceable Module(LRM) shipping container information.</p>		
	<p>C. The total CLIN amount is \$155,552.00.</p>		
0104	CLIN Change		
	<p><i>Noun:</i> <i>NSN:</i> <i>DD1423 is Exhibit:</i> <i>Contract type:</i> <i>Inspection:</i> <i>Acceptance:</i> <i>FOB:</i> <i>Descriptive Data:</i></p>	<p>DATA FROM CDRL "C"SERIES N - Not Applicable C J - FIRM FIXED PRICE DESTINATION DESTINATION DESTINATION</p>	
	<p>The Contractor shall provide the "C" series data IAW with Exhibit C, Contract Data Requirements List (CDRL), DD Form 1423. Data will not be separately priced. The price of the data will be included in the price of CLIN 0103. .</p>		

SCHEDULE OF CHANGES

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0124	CLIN Establish		
	<p><i>Noun:</i> SYSTEM DESCRIPTION DOCUMENT (SDD) <i>NSN:</i> N - Not Applicable <i>DD1423 is Exhibit:</i> D <i>Contract type:</i> J - FIRM FIXED PRICE <i>Inspection:</i> DESTINATION <i>Acceptance:</i> DESTINATION <i>FOB:</i> DESTINATION <i>Descriptive Data:</i> A. Provide a System Description Document (SDD) for Sniper pod. A separate appendix will be generated for each Pilot Vehicle Interface (PVI). B. The total CLIN amount is \$347,259.00.</p>		
0125	CLIN Establish		
	<p><i>Noun:</i> DATA FROM CDRL "D" SERIES <i>NSN:</i> N - Not Applicable <i>DD1423 is Exhibit:</i> D <i>Contract type:</i> J - FIRM FIXED PRICE <i>Inspection:</i> DESTINATION <i>Acceptance:</i> DESTINATION <i>FOB:</i> DESTINATION <i>Descriptive Data:</i> The Contractor shall provide the "D" series data IAW with Exhibit D, Contract Data Requirements List (CDRL), DD Form 1423. Data will not be separately priced. The price of the data will be included in the price of CLIN 0124.</p>		

b. The following Section B Clause is changed to read:

B028 CONTRACT TYPE: FIRM FIXED PRICE (FEB 1997)

The Not-To-Exceed ceiling price for this contract is hereby revised to read \$843,623,250.00.

2. SECTION J - LIST OF ATTACHMENTS:

LIST OF ATTACHMENTS

DOCUMENT	PGS	DATE	TITLE
EXHIBIT C	15	30 OCT 2002	"C" SERIES CONTRACT DATA REQUIREMENTS LIST
EXHIBIT D	1	30 OCT 2002	"D" SERIES CONTRACT DATA REQUIREMENTS LIST
ATTACHMENT 1	27	30 OCT 2002	STATEMENT OF WORK FOR THE USAF ADVANCED TARGETING POD PROGRAM
ATTACHMENT 8	1	30 OCT 2002	2.1.1 SF 1411 REVISED PRICE SUMMARY PAGE
ATTACHMENT 9	6	30 OCT 2002	CONTRACT CLIN-TO-SOW REQUIREMENTS MATRIX

PRICING SUMMARY SHEET

2.1.1 SF1411

CLIN	SUPPLIES OR SERVICES	TEP QTY	TEP PRICE 7-01	NTE QTY	NTE PRICE
0001	ADVANCED TARGETING	168	[REDACTED]	522	[REDACTED]
0004	POD SHIPPING CONTA	42	[REDACTED]	130	[REDACTED]
0005	F-16 ATP PYLONS	168	[REDACTED]	206	[REDACTED]
0006	INITIAL LRU SPARES		[REDACTED]		[REDACTED]
0007	INITIAL LRU SHIPPING CONTAINERS		[REDACTED]		[REDACTED]
0008	INTERIM CONTRACTOR SUPPORT		[REDACTED]		[REDACTED]
0010	WARRANTY	168	[REDACTED]		[REDACTED]
0012	CONUS SITE ACTIVATI	15	[REDACTED]	522	[REDACTED]
0013	OVERSEAS SITE ACTIV	4	[REDACTED]	15	[REDACTED]
0015	SUSTAINING ENGINEER 10 Units/Yr. For 7 yrs.		[REDACTED]	4	[REDACTED]
0016	TOTAL SYSTEM SUPPORT RESPONSIBILITY ([REDACTED]		[REDACTED]
0017	ORGANIC REPAIR STAND-UP		[REDACTED]		[REDACTED]
0019	O-LEVEL SUPPORT EQ	19	[REDACTED]	25	[REDACTED]
0020	O-LEVEL SUPPORT EQ	19	[REDACTED]	25	[REDACTED]
0100	REQUIRED DATA FROM CDRL "A" SERIES		[REDACTED]		[REDACTED]
0101	DATA FROM CDRL "B" SERIES		[REDACTED]		[REDACTED]
0102	SOURCE DATA FOR T.O. GENERATION - FY 01		[REDACTED]		[REDACTED]
0103	COMMODITY MANUALS		[REDACTED]		[REDACTED]
0104	DATA FROM CDRL "C" SERIES		[REDACTED]		[REDACTED]
0105	POD REFURBISHMENT - FY 03		[REDACTED]		[REDACTED]
0107	TRAINING - AIRCREW AND MAINTENANCE - FY		[REDACTED]		[REDACTED]
0108	TRAINING - AIRCREW AND MAINTENANCE - FY		[REDACTED]		[REDACTED]
0109	TRAINING COURSE - AIRCREW & MAINT UPDA		[REDACTED]		[REDACTED]
0110	QT&E AND QOT&E TRAINING COURSE - FY 01		[REDACTED]		[REDACTED]
0111	F-16 BLOCK 30 SCU 4 OT&E SUPPORT - FY 02		[REDACTED]		[REDACTED]
0112	F-16 BLOCK 30 SCU 4 QOT&E SUPPORT - FY 0		[REDACTED]		[REDACTED]
0113	F-16 BLOCK 30 SCU 5 OT&E		[REDACTED]		[REDACTED]
0114	F-16 BLOCK 30 SCU 5 QOT&E SUPPORT		[REDACTED]		[REDACTED]
0116	F-16 BLOCK 40/50 M3.1+QT&E SUPPORT - FY C		[REDACTED]		[REDACTED]
0117	F-16 BLOCK 40/50 M3.1+QOT&E SUPPORT - FY		[REDACTED]		[REDACTED]
0118	F-16 BLOCK 40/50 M3.3+QT&E SUPPORT - FY C		[REDACTED]		[REDACTED]
0119	F-16 BLOCK 40/50 M3.3+QOT&E SUPPORT - FY C		[REDACTED]		[REDACTED]
0120	F-16 BLOCK 40/50 M4+QT&E SUPPORT		[REDACTED]		[REDACTED]
0121	F-16 BLOCK 40/50 M4+QOT&E SUPPORT		[REDACTED]		[REDACTED]

10/30/02

PRICING SUMMARY SHEET

0124
0125

SYSTEM DESCRIPTION DOCUMENT
DATA FROM CDRL "D" SERIES

NSP

NSP

TOTAL EVALUATED PRICE (10.6.2.2)

0122
0123

F-15E QT&E SUPPORT (NOT IN TEP)
F-15E OOT&E SUPPORT (NOT IN TEP)

TOTAL NTE

Total NTE

* CLIN 0009 Contractor Logistics Support is excluded from this Summary buy is included in the Pricing Tables

10/30/02

11/25/2002
SET: ATP-C

AUTOMATED DATA MANAGEMENT SYSTEM
CDRL TABLE OF CONTENTS
CONTRACT: F33657-01-C-2029
CONTRACTOR: LOCKHEED MARTIN
SYSTEM ITEM: ADVANCED TARGETING POD

<u>DATA ITEM</u>	<u>REQ OFF</u>	<u>AUTHORITY/TITLE/SUBTITLE</u>	<u>SOW PARAGRAPH</u>
C001	ASC/FBL	TMCR-86-01H Technical Manuals - Commodity Manuals	SOW 2.1.3 and 2.2.3

Air Force Technical Manual Contract Requirements (TMCR) for

Advanced Targeting Pod (SNIPER XR), Electro Optical Target Designator Set AN/AAQ-33
(Program/Modification/Military System)

ATTACHMENT 1 TO CDRL SEQUENCE NUMBER C001 EXHIBIT C

REQUEST FOR PROPOSAL/CONTRACT: F33657-01-C-2029

Date: 20 April 2002

Technical Manual/Technical Order requirements contained herein have been cleared for use by OMB No. 0704-0188, 21 July 1986.

*NOTE: Items in italics must be tailored by the TO Manager **before** placing the TMCR in an exhibit to the RFP, system performance specification or in the proposal technical library. The TMCR must be referenced in RFP section J. If some or all of the TO program requirements are included in RFP Section L (Instructions to Offeror), remove them from the TMCR. Delete this note prior to placing the TMCR in the RFP.*

SECTION 1. TECHNICAL ORDER (TO) PROGRAM REQUIREMENTS

- 1. TMCR Tailoring.** Offerors MUST tailor this TMCR document, including the associated tables, matrices and Specification/Standard Interface Requirements (SIRs). The tailored TMCR shall be attached to the CDRL for TO delivery, and shall be included in the proposal as a separate exhibit, referenced in the proposal SOW. Proposals shall be compatible with the Air Force infrastructure and support the *(program name)* Program's CALS implementation strategy as documented in the Government Concept of Operations (GCO, *Defense Acquisition Deskbook (DAD), Section 3.7*), located *(enter RFP location of GCO)*. Air Force TO Acquisition procedures, including procedures for tailoring this document, are found in TO 00-5-3, located on the World Wide Web (WWW) at <http://www.pdsm.wpafb.af.mil/toprac/to-syste.htm>. Any terms or procedures found in this document may be researched there.
- 2. TO Program Scope.** The offeror shall tailor Section 2 to propose the TO types (Table 1) and source data, TO updates and commercial manuals (Table 2) required to support the *(enter program designation)* program's objectives. Page-oriented Military Specification (MILSPEC) TOs must be formatted according to MIL-STD-38784 and applicable performance (MIL-PRF) specifications, with text, graphics and delivery according to MIL-STD-1840. The offeror may propose use of Non-Government Specifications or Standards (NGS) for development of TOs, but must justify this choice based on life-cycle cost savings to the government and compatibility with existing systems identified in the GCO and the System Support Plan.. **NOTE:** If Interactive Electronic Technical Manuals (IETMs) are proposed (MIL-PRF-87268 and MIL-PRF-87269), contact the Procuring Contracting Officer (PCO) and TO Manager to obtain guidance from the Air Force Preparing Activity (PA), HQ MSG/ILMP, 4375 Chidlaw Rd Suite 6, WPAFB OH 45433-5006.
- 3. Commercial Manuals.** Offerors shall propose the use of existing commercial manuals to the maximum extent possible without impairing program support objectives. The proposal will describe the method used to recommend and submit specific manuals to the government for review and approval. **NOTES:** a) Contractor Furnished Aeronautical Equipment/Contractor Furnished Equipment (CFAE/CFE) Notices, Data Item Description (DID) DI-TMSS-80067, may be used to provide recommendation data. b) The government will use MIL-HDBK-1221 as a guide for review and acceptance of all recommended commercial manuals, and MIL-PRF-7700 as an additional guide for commercial Flight Manual contents.
- 4. Technical Manual Specifications and Standards (TMSS) Tailoring.** TMSS are tailored by deleting requirements not needed for program TOs, and by selecting between options offered. The tailoring is

recorded in SIRs and added to Section 3 of this document. AF options in some Joint-Service TMSS have been documented in preliminary SIRs included in Section 3. Offerors shall complete tailoring of the Joint-Service TMSS SIRs and provide recommended SIRs for other TMSS or NGS as applicable. Questions and conflicts with TMSS requirements may be resolved by written request and justified suggestions for resolution submitted through the PCO to (*enter name, office symbol, address and phone number of TO Manager*). Approved recommendations, corrections and clarifications will be maintained with contract documentation. **NOTE:** Tailoring must not change or delete mandatory requirements which are part of the DTD structure.

5. Subsequent TO/Data Requirements. Offerors shall propose a process for notifying the government when additional TO or source data requirements are identified subsequent to contract award. This process shall require government review and approval of recommended additional requirements prior to contractual approval. **NOTE:** The recommended notification process is to use CFAE/CFE Notices (DI-TMSS-80067).

6. TO Development. The offeror shall propose TO development practices and procedures which ensure TOs and data are compatible with the AF Digital Data Strategy (http://www.pdsm.wpafb.af.mil/datamgt/data_mgt.htm) and the JCALS JTMS. The preferred method is through use of the TMSS specified in Section 2 to produce TO files tagged using Standard Generalized Markup Language (SGML) according to the Document Type Definitions (DTDs) appended to MIL-STD-38784 and each specification. The offeror must submit any DTDs developed to support use of NGS or canceled TMSS through the PCO and TO Manager to HQ MSG/ILMP for validation of JCALS compatibility. SGML-tagged TO files shall include required illustrations in one of the three approved graphics exchange specifications; MIL-PRF-28000, 28002, or 28003.

7. TO Numbering. Offerors shall propose a method for notifying the government of which manuals require TO numbers. TO numbers are not required for manuals to be used exclusively by contractor personnel. (**NOTE:** DI-TMSS-80067 may be used to provide the notification.) AF procedures for numbering TOs are described in TO 00-5-3 and AFMCMAN 21-1 (<http://www.pdsm.wpafb.af.mil/toprac/to-syste.htm>).

8. Data Rights. Government rights in data are specified in the Defense Federal Acquisition Regulation Supplement (DFARS), paragraphs 227-7102 through 227-7104, located (*enter the RFP location containing the applicable DFARS paragraphs*). Offerors shall propose Unlimited Rights for all source data and TOs prepared specifically for the contract. If some TOs or source data are copyrighted or contain proprietary data or procedures, offerors may propose Limited Rights or Government Purpose License Rights (GPLR) only. Proposed commercial manuals should be provided with at least GPLR or Limited Rights. Copyrights shall be according to DFARS paragraphs 227-7103, 7105 or 7106.

9. Classification, Distribution, Destruction, Disclosure, and Export Control Notices. Offerors shall propose methods for determining, marking and controlling classified and restricted distribution data and TOs. Processes must conform to government requirements specified in DOD 5200.1-R, DODD 5230.24, AFIs 31-401 and 61-204, and MIL-STD-38784. **NOTE:** Distribution limitations are normally determined on a case-by-case basis as TOs are developed, dependent upon TO content.

10. TO Quality. Offerors shall propose a quality assurance program which ensures TOs prepared are: a) 100% technically accurate; b) written to a scope and depth of coverage sufficient to support the operations and maintenance concepts, and to the Reading Grade Level (RGL) specified in MIL-STD-38784; c) compatible with the JCALS JTMS; and d) properly classified and marked with export control and distribution limitation statements. Recommended QA methods include actual performance of

procedures and use of desk-top analysis for non-procedural data. Simulation (walk-through/talk-through) should be reserved for those procedures which would activate explosive devices or present a hazard to personnel or equipment. Offerors' proposals should describe how the government will be allowed to interact with the contractor's TO development team. **NOTE:** Quality requirements for the Joint Nuclear Weapons Publications System (JNWPS) and for Non-nuclear Explosive Ordnance Disposal (EOD) Data are contained in TO 11N-1-1 and DOD Directive 5160.62, respectively. The government performance-tests all JNWPS and EOD TOs.

10.1. Conferences and Technical Reviews. Offerors shall propose sufficient conferences and reviews to allow insight into TO development processes and ensure contract compliance. Offerors normally host an initial Guidance Conference or Technical Interchange Meeting (TIM) within 60 days of contract award to ensure mutual understanding of TO contract requirements, schedules, points of contact, etc. Periodic In-Process Reviews (IPRs) and Prepublication Reviews (PPR) ensure TOs are being developed according to contract requirements and that open discrepancies are cleared prior to publication. **NOTE:** PPRs are required for critical safety and nuclear surety procedures TOs, and may be required for other complex procedures TOs.

10.2. TO Certification. Offerors shall propose their method for documenting certification that TO procedures are accurate, adequate, current, and usable for their intended purposes.

10.3 Verification Support. Offerors shall propose the methods, equipment and personnel required to support government TO Verification. This support should consist of at least (*insert minimum program requirements, such as writers and/or engineers to resolve problems during verification, program-peculiar equipment and supplies, maintenance of TO configuration, incorporation of government comments, and participation on TO Review Boards (TORBs) and Flight TORBs*).

11. TO and Source Data Maintenance. Offerors shall propose methods for maintaining accuracy, currency and configuration of TOs and source data throughout the contract period of performance. Maintenance includes preparation of TO and source data updates to incorporate corrections, equipment configuration changes, and maintenance and operational concept changes.

12. TO Delivery. Offerors shall propose practices and procedures for access to or delivery of digital TO files, including those for Preliminary TOs (PTOs), source data, reproduction masters, and program support data. Practices and procedures shall be compatible with the program's Contractor Integrated Technical Information Service (CITIS) agreement (if on contract) and Government Concept of Operations (GCO – found in (*specify RFP location of GCO*)). TO file delivery formats shall be according to applicable CDRLs and the tailored TM Delivery Requirements Matrices included in Section 2 of this document. Paper TO delivery is not acceptable for final delivery of TOs.

EXCEPTION: When cost analysis proves the paper delivery is more cost effective over the life-cycle of the program or project, and for some Commercial Manuals not available digitally.

12.1. SGML-Tagged Files. The government will parse SGML TO document files prior to acceptance. **NOTE:** The Internet address for the public domain "SGMLS Parser" software is "ftp://ifi.uio.no/pub/SGML."

12.2. Indexed Adobe™ Portable Document Format (IPDF) Files. Indexing specifications for PDF TO files are contained in the AF Digital Data Strategy (http://www.pdsm.wpafb.af.mil/datamgt/data_mgt.htm).

12.3. Additional digital delivery media requirements are specified in MIL-STD-1840 (SIR, Section 3).

13. Schedules. Offerors shall include TO program events and schedules in their proposed Integrated Master Plan (IMP) and Integrated Master Schedule (IMS), and update the IMS throughout the period of performance. **NOTE:** AF policy requires delivery of verified TOs prior to or concurrently with delivery of operational equipment to the field (AFPD 21-3). This policy will determine TO development and delivery schedules throughout the acquisition phase of a program.

If applicable for the specific program, add the following:

14. Time Compliance Technical Orders (TCTOs). Offerors shall propose practices and procedures to develop AF TCTOs and related TO updates when tasked as part of the approval process for Engineering Change Proposals (ECPs) to configured items. Costs for TCTO package development must be included in ECP Costs – not included as direct proposal costs. **NOTE:** ECPs are reviewed and approved by the Government's Configuration Control Board (CCB). When the CCB decides that a TCTO is the appropriate method of implementation, the contractor may be requested to develop the TCTO package for Air Force coordination and approval. See TO 00-5-15 (<http://www.pdsm.wpafb.af.mil/toprac/to-syste.htm>) for a detailed description of the TCTO system.

15. TO Reproduction Management. Offerors shall propose practices and procedures for managing the program's reproduction requirements. **NOTE:** Reproduction management for printing includes assembly of a print package (reproduction media, a reproduction assembly sheet, and TO Initial Distribution (ID) labels) and submission of the package for government printing. (ID labels are provided by the TO Manager) In some cases, the contractor may perform the printing. Reproduction management for digital media consists of reproduction of the digital file on magnetic/optical media and distribution according to ID labels. Reproduction Management may also include configuration control and storage of reproduction masters.

SECTION 2. TM TYPE AND DELIVERY REQUIREMENTS

NOTES:

- Mark the TM Type Selection Tables indicating the applicable TO types and related specifications. For additional interface requirements see the program-specific Government Concept of Operations (GCO) and DOD 5000.2-R.
- Manuals delivered using this table and DI-TMSS-80067, CFAE/CFE Notices, must be reviewed and approved by the Air Force prior to delivery.
- IPBs are developed IAW MIL-PRF-38807, except that MIL-PRF-87929 will also be used for IPBs combined with work packages.
- All checklists, except aircrew and nuclear weapons checklists, are developed IAW MIL-PRF-5096.
- MIL-PRF-83495 requires DOD-STD-863 requirements to be levied on engineering data for preparation of end item wiring data and schematic diagrams.
- Delivery requirements are indicated in the TM Delivery Requirements matrices.
- Digital data media format requirements are specified in MIL-STD-1840. Use MIL-STD-1840 as a guide when completing Part B - TM Delivery Requirements.
- For further information on Air Force Digital Data Strategy, see WWW address http://www.pdsm.wpafb.af.mil/datamgt/data_mgt.htm.
- To use "check boxes" in the tables and matrices, go to Tools/Protect Document, mark "Forms," select "Sections" and check sections 2, 3, & 4. After completion of tailoring, Unprotect the document and save. (Delete this note prior to placing TMCR on contract.)

PART A - TM TYPE SELECTION TABLES

TABLE 1
TMSS REQUIREMENTS FOR THE (LLTV) Program
(System/Component)

Title or Type of Manuals	Specification	Required
1. Inspection Tos	MIL-PRF-5096	
a. Inspection and Maintenance Requirements (-6) Manual		<input type="checkbox"/>
b. Acceptance and Functional Check Flight (FCF) Procedures (-6CF) Manual		<input type="checkbox"/>
c. Acceptance and Functional Check Flight (-6CL) Checklist		<input type="checkbox"/>
d. Workcards		<input type="checkbox"/>
e. Inspection Requirements Cards		<input type="checkbox"/>
f. Flow/Sequence Charts		<input type="checkbox"/>
g. Checklists		
(1) Maintenance/Operations (Non-Aircrew)		<input type="checkbox"/>
(2) Operations (Aircrew)		<input type="checkbox"/>
2. Cargo Aircraft Loading and Offloading TOs	MIL-PRF-5288	
a. Manual		<input type="checkbox"/>
b. Checklists		<input type="checkbox"/>
3. Weight and Balance (Aircraft)	MIL-PRF-5920	
a. Loading Data Manual		<input type="checkbox"/>
b. Sample Basic Weight Checklists		<input type="checkbox"/>
4. Flight Manuals (see notes)	MIL-PRF-7700	
a. Flight Manual		<input type="checkbox"/>
b. Performance Data Manual		<input type="checkbox"/>
5. List of Applicable Publications	MIL-PRF-8031	<input type="checkbox"/>
6. Structural Repair Manuals (for Aircraft)	MIL-PRF-9854	<input type="checkbox"/>
7. Munitions/Weapons Loading Procedures, Non- nuclear and Nuclear	MIL-PRF-9977	
a. Nuclear Weapons Basic Information and Loading Procedures		<input type="checkbox"/>
b. Nuclear Weapons Loading Procedures		<input type="checkbox"/>
c. Non-nuclear Munitions Basic		<input type="checkbox"/>
d. Non-nuclear Loading Procedures		<input type="checkbox"/>
e. Integrated Combat Turnaround Procedures		<input type="checkbox"/>
f. Non-nuclear Munitions Loading Standard Data Packages (SDPs)		<input type="checkbox"/>
g. Loading Procedures Checklists		<input type="checkbox"/>
h. Integrated Loading Procedures Checklists		<input type="checkbox"/>
i. Nuclear Weapons Loading Procedure Checklists		<input type="checkbox"/>
j. Integrated Combat Turnaround Procedures Checklists		<input type="checkbox"/>
k. NATO Stage B Cross-Servicing Checklists		<input type="checkbox"/>
8 Mobile Training Sets (MTS) and Part Task Trainer TOs	MIL-PRF-9994	
a. Single Manual		<input type="checkbox"/>

TABLE 1
 TMSS REQUIREMENTS FOR THE (LLTV) Program
 (System/Component)

Title or Type of Manuals	Specification	Required
b. Single Manual w/IPB		<input type="checkbox"/>
c. General/Systems Trainer Manuals		<input type="checkbox"/>
d. General/Systems Trainer Manuals w/IPB		<input type="checkbox"/>
e. Part Task Trainer Manuals		<input type="checkbox"/>
9. Space Operations and Support Documentation TOs	ANSI/AIAA-R024-1993	
a. Operations Manual	(Replaces MIL-M-38311)	<input type="checkbox"/>
b. Operations Checklists		<input type="checkbox"/>
c. Technical Manuals and Related Checklists		<input type="checkbox"/>
10. Nuclear and Non-nuclear Weapon Delivery and Aircrew Procedures Manuals and Checklists	MIL-PRF-38384	
a. Non-nuclear Weapon Delivery Manual (Strategic Bomber & Tactical Aircraft)		<input type="checkbox"/>
b. Nuclear Bomb Delivery Manual (Strategic Bomber Aircraft)		<input type="checkbox"/>
c. Aircrew Nuclear Weapon Delivery Manual (Strategic Bomber Aircraft)		<input type="checkbox"/>
d. Aircrew Nuclear Weapon Delivery Manual (Tactical Aircraft)		<input type="checkbox"/>
e. Non-nuclear Weapon Delivery Checklist (Strategic Bomber & Tactical Aircraft)		<input type="checkbox"/>
f. Nuclear Bomb Delivery Checklist (Strategic Bomber Aircraft)		<input type="checkbox"/>
g. Aircrew Nuclear Weapon Delivery Checklist (Tactical Aircraft)		<input type="checkbox"/>
h. Non-nuclear Weapon Delivery Source Data Packages		<input type="checkbox"/>
11. Air Refueling Procedures	MIL-PRF-38413	
a. Manual		<input type="checkbox"/>
b. Checklist		<input type="checkbox"/>
12. Work Unit Code Manual	MIL-PRF-38769	<input type="checkbox"/>
13. Calibration Procedures	MIL-PRF-38793	<input type="checkbox"/>
14. Time Compliance Technical Orders (TCTOs)	MIL-PRF-38804	X
15. Aircraft Battle Damage Assessment and Repair TOs	MIL-PRF-87158	<input type="checkbox"/>
16. Illustrated Parts Breakdown	MIL-PRF-38807	<input type="checkbox"/>
17. On-Equipment Organizational Maintenance Manual Set (see notes)	MIL-PRF-83495	
a. General Equipment (GE) Manual		<input type="checkbox"/>
b. General System (GS) Manuals		<input type="checkbox"/>
c. Combined GE & GS Manual		<input type="checkbox"/>
d. Job Guide (JG) Manuals		<input type="checkbox"/>
e. Fault Reporting (FR) Manual		<input type="checkbox"/>
f. Fault Isolation (FI) Manual		<input type="checkbox"/>

TABLE 1
TMSS REQUIREMENTS FOR THE (LLTY) Program
(System/Component)

Title or Type of Manuals	Specification	Required
g. Wiring Data (WD) Manual		<input type="checkbox"/>
h. Schematic Diagram (SD) Manual		<input type="checkbox"/>
18. Operation and Maintenance Instructions in Work Package Format	MIL-PRF-87929	
a. Maintenance Manuals		
(1) Intermediate Maintenance		<input checked="" type="checkbox"/>
(2) Depot Maintenance		<input type="checkbox"/>
(3) Combined (I&D) Maintenance		<input type="checkbox"/>
(4) On Condition Maintenance		<input type="checkbox"/>
b. Operation & Maintenance Instruction Manuals		<input checked="" type="checkbox"/>
c. Special Manuals		
(1) Aircraft Engine Testing and Trending Procedures		<input type="checkbox"/>
(2) Aircraft Power Package Testing Procedures		<input type="checkbox"/>
(3) Static Firing of Missile Motors		<input type="checkbox"/>
(4) System Peculiar Corrosion Control		<input type="checkbox"/>
(5) Nondestructive Inspection (NDI)		<input type="checkbox"/>
(6) Aircraft Structural Integrity Program (ASIP)		<input type="checkbox"/>
(7) ATE Operator Test Procedures		<input type="checkbox"/>
(8) Special Requirements for Storage and Maintenance Procedures; AUR Munitions/Launchers and Associated Support Equipment, Conventional Components and CMBR Agents		<input type="checkbox"/>
(9) Parachute Packing Procedures		<input type="checkbox"/>
(10) Operators Instructions (Hand-Held Flight Computers)		<input type="checkbox"/>
(11) Installation-Engineering Facility (Ground C-E Equipment)		<input type="checkbox"/>
d. Checklists (IAW MIL-PRF-5096)		<input type="checkbox"/>
e. With Illustrated Parts Breakdown (see notes)		<input checked="" type="checkbox"/>
19. Commercial Manuals (Evaluate according to MIL-HDBK-1221)		<input type="checkbox"/>
20. Aircraft Cross-servicing Guide	MIL-M-22202	<input type="checkbox"/>
21. Electronic Technical Manuals (Contact specification preparing activity for guidance.)	MIL-PRF-87268 MIL-PRF-87269	<input type="checkbox"/>

TABLE 2
ADDITIONAL TM TYPE SELECTIONS

NOTES:

- Check all applicable boxes.
- For commercial manual supplemental data only, under the specification heading, enter "Same style and format," "MIL-PRF-38807" (for IPB data), or "MIL-STD-38784."
- For existing MIL-SPEC manuals not being updated to latest specification requirements, enter "Same style and format" under the specification heading.

TO Number, Title, or Type of Manual	Specification	Com-mercial Manual	Change/Revision	Supple-ment	Supple-mental TM	Source Data
1. TBD		<input type="checkbox"/>				
2		<input type="checkbox"/>				

TO Number, Title, or Type of Manual	Specification	Com- mercial Manual	Change/ Revision	Supple- ment	Supple- mental TM	Source Data
3		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14.	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17.	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18.	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SECTION 3. SPECIFICATION/STANDARD INTERFACE RECORDS (SIRS)

NOTES:

- Most specification "Acquisition Requirements" list the same two items for paragraphs 6.2a and 6.2b. For this contract enter:
 - 6.2a. The title, number and date of each specification will be listed in the heading of the applicable SIR.
 - 6.2b. The issue of the DODISS used in this contract is (*enter date*).
- Tailoring out digital requirements may result in parsing failure of the delivered files. All such tailoring must be coordinated with the specification preparing activity.
- All TM specifications applicable to this contract require an appropriately tailored SIR attached to this section. MIL-STD-38784 must be included in all contracts/proposals for AF TMSS-developed TOs.
- Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from the Standardization Documents Order Desk, 700 Robbins Ave, Bldg 4D, Philadelphia, PA 19111-5094.

STANDARDIZATION INTERFACE RECORD FOR MIL-STD-1840B,
Automated Interchange of Technical Information

3 November 1992

NOTE: Program-specific tailoring of para 6.3 must be added to this SIR.

4.2 The transfer unit shall be encoded in an appropriate format for the type of transfer unit specified below.

4.2.1 Page image transfer units will only be used for raster-scanned (non-changeable) documents used to update relatively stable legacy (existing) data.

4.2.1c Special word files shall not be used; if changes to AF DTDs or FOSIs are required and authorized, the contractor shall submit a revised DTD or FOSI.

4.2.2 Page Description Language (PDL) transfer units will only be used to update volatile (changeable) legacy data using a commercial word processing format. **NOTE:** The preferred AF PDL is an Adobe™ Portable Document Format (PDF) file indexed in accordance with the AF Digital Data Strategy (http://www.pdsm.wpafb.af.mil/datamgt/data_mgt.htm).

4.2.3 Standard AF DTDs (appended to the prescribed TM specifications) shall be used, when possible. The PUBLIC identifier shall be identified in the SGML document transfer unit. If no DTD is appended to the relevant MILSPEC, contact HQ MSG/ILMP, through the Procuring/Administrative Contracting Officer (PCO/ACO) and the TO Management Agency, to obtain permission to develop a program-specific DTD.

4.2.3b Document type declaration files are not required if the file is in standard AF DTD format and the document type is obvious upon file inspection.

4.2.3d SGML text entity files developed as a result of AF DTD modification shall be included. PUBLIC SGML text entity files shall NOT be used.

4.2.3e Each illustration in the file shall be delivered in one of the following formats: IGES, Raster, or CGM. All formats may be used within any one document, depending upon the various types of illustrations used.

Note: This is not intended to prevent delivery of an "intelligent raster" illustration, i.e., one with an IGES overlay to facilitate changes to the raster image.

4.2.3f Standard AF FOSIs (available electronically as GFI from the AF TMSS OPR) shall be used, when possible, for paper output products. The PUBLIC identifier shall be identified in the SGML document transfer unit. If no FOSI is available for the relevant MILSPEC, or for digitally-displayed data, contact HQ MSG/ILMP, through PCO/ACO and the TO Manager, to obtain permission to develop a program-specific FOSI.

4.2.3g Special word files shall not be used; if changes to AF DTDs or FOSIs are required and authorized, the contractor shall submit a revised DTD or FOSI.

4.2.3h Contract defined data files shall be included in the transfer unit if quantities and capacities deviate from MIL-PRF-28001 (see paragraph 4.4.9).

4.2.4 Product data transfer units will only be used for engineering data files.

4.2.5 Delete.

4.4.1 Page image data files shall be in accordance with MIL-PRF-28002 for raster image files (see SIR paragraph 4.2.1 and the NOTE for paragraph 4.2.3e).

4.4.2 Special word files shall not be used.

4.4.5 Replace the 1st sentence with: Text source data files shall be SGML encoded ASCII text files, tagged in accordance with the standard AF DTDs (see paragraph 4.2.3).

4.4.6 Delete.

4.4.7 When there are multiple uses for the same illustration within a single document, submit only one illustration data file.

4.4.7.1 IGES Class I, Technical Illustration Subset, will normally be used in preference to Class II or Class III (see SIR for MIL-PRF-28000).

4.4.7.2 The contractor shall obtain government approval before including raster illustration data files, except in page image transfer units provided in raster format only.

4.4.8 Change to read: "FOSI data files shall be in accordance with standard AF FOSIs and shall define the style and display format of the document according to the applicable specification (see paragraph 4.2.3f)."

4.4.9 Replace with: "Contract defined data files. This file shall be used to provide the appropriate SGML declaration [Federal Information Processing Standard (FIPS) 152]. The file shall be submitted in ASCII."

4.4.10 through 4.4.12 Delete.

4.4.13 Renumber as 4.4.7.4. Replace requirements with: "Use of half-tone or color illustrations shall be as specified in the applicable TM specification."

5.3.2g Replace with: "DTD Revisions. A DTD revision shall be included any time the standard AF DTD must be modified. Prior HQ MSG/ILMP approval for the modification is required."

5.4.2 The type of alternative medium shall be specified by the government.

5.5.3 Packaging instructions for alternative media shall be provided by the government.

6.3 Tailoring Guidance. *The following list of paragraphs may require additional tailoring: 4.2, 4.2.4b (if used), 4.4.3 (if used), 4.4.4, 4.4.11 (if used), 5.3.2 (if types not listed are required), 5.4 (transfer package layout on medium), 5.4.2 (specify media if not 9-track tape), and 5.5.3 (if non-listed computer media are specified). The TO acquisition manager must coordinate tailoring with the sustainment TO manager and the contractor to ensure requirements are realistic and supportable. DELETE this italicized paragraph during tailoring.*

STANDARDIZATION INTERFACE RECORD FOR MIL-PRF-28000A,

10 February 1992

**Digital Representation for Communication of Product Data:
IGES Application Subsets and IGES Application Protocols**

NOTES:

- Program-specific tailoring of para 6.2 must be added to this SIR.
- Submit each illustration in only one of the three approved graphics formats (IGES, Raster, or CGM).

6.2c. The type of product data procured will be Class I - Technical Illustration Subset. If Class II or Class III products are being procured for other program purposes (such as engineering drawings), and these products are suitable for TO application, they shall be used instead of duplicating data merely to obtain the Class I product.

STANDARDIZATION INTERFACE RECORD FOR MIL-PRF-28001B,
Markup Requirements and Generic Style Specification for
Electronic Printed Output and Exchange of Text

26 June 1993

NOTE: Used for Air Force TOs as a reference only. Contact HQ MSG/ILMP if new DTDs are required.

STANDARDIZATION INTERFACE RECORD FOR MIL-PRF-28002B,

14 December 1992

**Raster Graphics Representation in Binary Format,
Requirements for****NOTES:**

- Program-specific tailoring of (para 6.2) must be added to this SIR.
- Submit each illustration in only one of the three approved graphics formats (IGES, Raster, or CGM).
- Paragraph 6.2.1b is not answered in the TMCR.

1.2 (Info only) Type II, Tiled Raster Graphics (the optional choice) are compressed and require less memory space than Type I (Untiled).

STANDARDIZATION INTERFACE RECORD FOR MIL-PRF-28003A,

15 November 1991

Amendment 1,

10 August 1992

**Digital Representation for Communication of Illustration Data:
CGM Application Profile****NOTES:**

- Submit each illustration in only one of the three approved graphics formats (IGES, Raster, or CGM).
- Paragraph 6.2b is not answered by the TMCR.

6.2b. Unless otherwise required by the content specification, only the Type 0 (monochrome) metafile shall be used.

6.2c. (*Tailor*)

STANDARDIZATION INTERFACE RECORD FOR MIL-M-22202C,

8 July 1977

**Manual, Technical, Aircraft Cross Servicing Guide,
Preparation of****2.1 SPECIFICATIONS:**

Change MIL-M-38784 to MIL-STD-38784.

Note: Change references throughout this document from MIL-M-38784 to MIL-STD-38784 (see 3.1, 3.3, 3.5, 3.6, 3.10.6, 3.10.7, 3.10.8, 3.10.12, 3.10.13, 3.10.14, and 5.1.)

Delete:	MIL-I-18464	Insignia and Markings for Naval Weapons Systems
	MIL-M-23618	Manual, Technical, Periodic Maintenance Requirements, Preparation of
	MIL-I-81043	Lubrication Charts for Air Weapon Systems, Preparation of
	MIL-M-81203	Manual, Technical, In-process Review, Validation and Verification Support of
Add:	MIL-PRF-5096	Manuals, Technical: Inspection And Maintenance Requirements; Acceptance and Functional Check Flight Procedures and Checklists; Inspection Work Cards; and Checklists; Preparation of
	MIL-PRF-9977	Manuals, Technical and Checklists: Munitions/Weapons Loading Procedures, Nonnuclear and Nuclear; and Packages, Standard Data: Munitions Loading Procedures, Nonnuclear

STANDARDS:

Delete	MS33793	Aircraft Markings, Servicing, and Precautioning
Add	MIL-STD-1840	Automated Interchange of Technical Information

2.2 Ensure the listing for STANAG/ASCC Air Standard Documents is current. List applicable STANAG/ASCC Air Standards below.

(List STANAG/ASCC Air Standard Documents here.)

Add:

DEPARTMENT OF DEFENSE

DOD 5200.1-R DoD Information Security Program Regulation
 DOD 5220.22-M National Industrial Security Program Operating Manual

- 3.1 Change, "8-1/4 x 10-3/4 inches" to "8.5 x 11 inches".
- 3.1.2 Deleted
- 3.2.4 (Enter the classification of the Cross servicing Guide.)
- 3.10.14 Verify the reference to MIL-STD-809. No entry is required in the SIR unless there is a status change in the standard or the requirement is deleted.
- 3.11.7 Delete MIL-I-18464 and MS 33739.
- 3.11.8 Delete MIL-L-81043.
- 3.12.4.1 Delete and replace with, "Inspection requirements shall be according to MIL-PRF-5096."
- 3.14 Add to end of first sentence, "in accordance with MIL-PRF-9977 requirements."

4. Replace with: **"VERIFICATION.**

"All cross servicing guides shall meet all of the requirements of sections 3 and 5 of this specification, as required by the acquiring activity. The requirements set forth in this specification shall become a part of the contractor's overall inspection system or quality program. The absence of any requirements in this specification shall not relieve the contractor of the responsibility of ensuring that all products or supplies submitted to the government for acceptance comply with all requirements of the contract. Use of sampling inspections shall be at the discretion of the contractor, and in accordance with commercially acceptable quality assurance procedures. However, use of sampling in QA procedures does not authorize submission of known defective material, either indicated or actual, nor does it commit the government to accept defective material."

5. Replace with: **"PACKAGING.**

"5.1 Packaging Requirements. For acquisition purposes, the packaging requirements shall be as specified in the contract or order. When the actual packaging of material is to be performed by DoD personnel, these personnel need to contact the responsible packaging activity to determine packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activity within the Military Department's System Command. Packaging data retrieval is available from the Military Department's or Defense Agency's automated packaging files, CD-ROM products, or the responsible packaging activity.

"5.1.1 Encoded Computer Products. Packaging of encoded computer products for delivery shall be in accordance with the requirements of MIL-STD-1840.

"5.1.2 Classified Material. Classified material shall be packaged and identified in accordance with DOD 5200.1-R, DOD 5220.22-M, and the implementing Service regulations.

STANDARDIZATION INTERFACE RECORD FOR MIL-STD-38784.

2 July 1995

**Standard Practice for Manuals, Technical:
 General Style and Format Requirements**

4.5.1.13 Destruction Notice. Change the existing sentence to read: "...or X shall be marked with Handling and Destruction Notice "a" (below) on the cover/title..." Add a new second sentence as follows: "Unclassified TOs authorized for Public Release (Distribution Statement "A") shall be marked with disposition notice "b" (below) on the title or T-2 page."

4.5.1.13.a. Designate existing paragraph as "a. HANDLING AND DESTRUCTION NOTICE..."
 Add: "See TO 00-5-2 for specific destruction procedures."

4.5.1.13.b (Added) b. DISPOSITION NOTICE - Refer to TO 00-5-2 for disposition instructions.

STANDARDIZATION INTERFACE RECORD FOR MIL-PRF-38804,
Amendment 1,

1 March 1996
20 June 1997

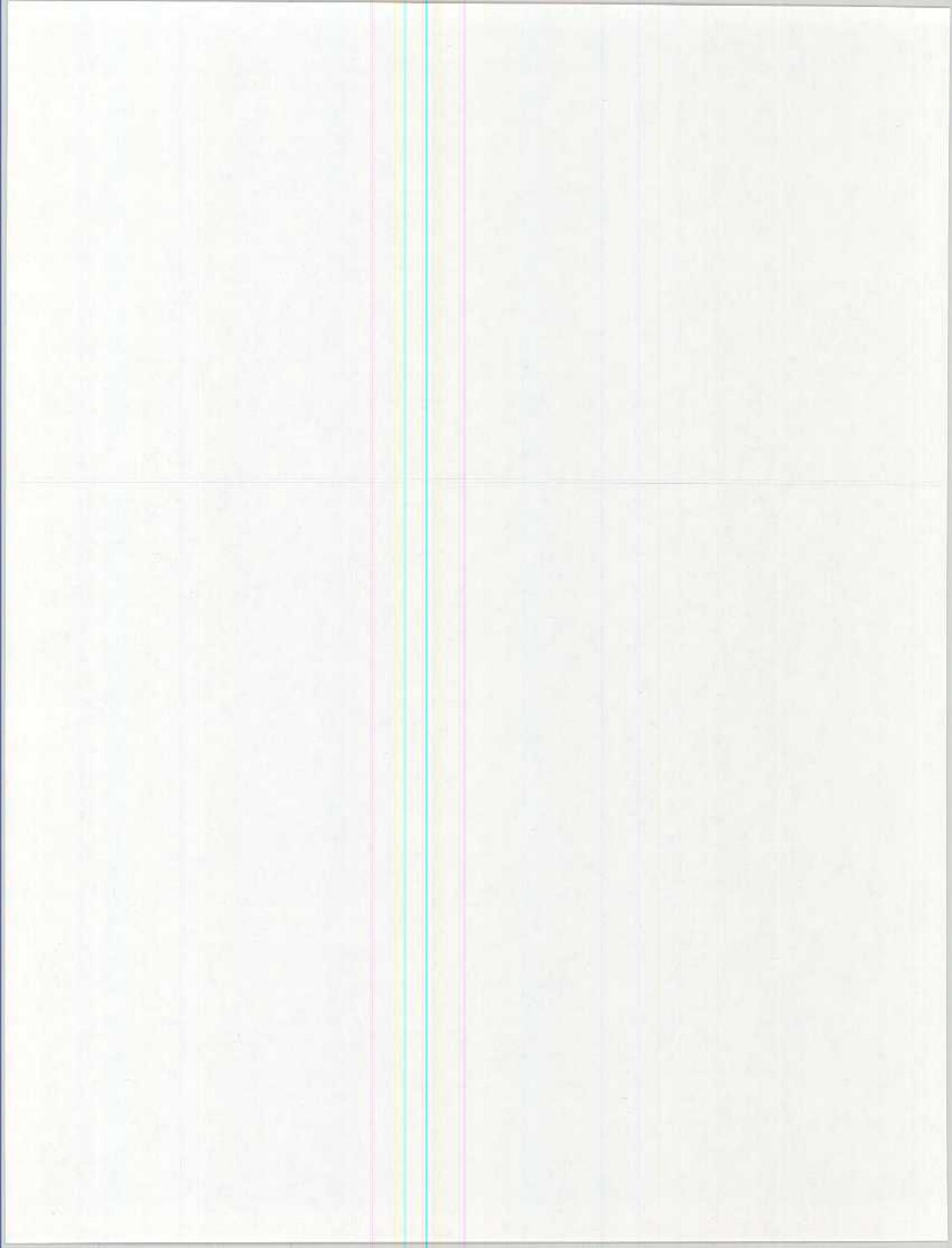
Time Compliance Technical Orders – Preparation

- 3.5.5.3a (Added) Add new subpara "a" as follows:
- a. Routine Safety Inspection Organizational/Intermediate Level TCTOs. "Not later than (#) days after receipt of this TCTO. Affected system/ equipment shall be removed from service if this TCTO is not accomplished within the specified number of days." The specified number of days for accomplishment shall be controlled by the degree of safety involved rather than the designated level of maintenance. If the compliance period cannot be met before the TCTO rescission date, the performing organization will request an extended compliance period according to TO 00-5-15.
- 3.5.5.3 Renumber existing paragraphs "a" thru "d" and retitle as follows:
- b. Routine Action, Organizational/Intermediate Level, Safety TCTO.
 - c. Routine Action, Organizational/Intermediate Level TCTO.
 - d. Routine Action, Organizational/Intermediate Level, Based Upon Maintenance Practice.
 - e. Routine Action, Depot Level.

11/5/2002
SET: ATP

AUTOMATED DATA MANAGEMENT SYSTEM
CDRL TABLE OF CONTENTS
CONTRACT: F33657-01-C-2029
CONTRACTOR: LOCKHEED MARTIN
SYSTEM ITEM: ADVANCED TARGETING POD

<u>DATA ITEM</u>	<u>REQ OFF</u>	<u>AUTHORITY/TITLE/SUBTITLE</u>	<u>SOW PARAGRAPH</u>
D001	ASC/FBL	DI-IPSC-81430A/T Operational Concept Description (OCD) System Description Document (SDD)	SOW 1.2.1.1



STATEMENT OF WORK (SOW)
FOR THE
USAF ADVANCED TARGETING POD (ATP)
PROGRAM

July 18, 2001
(Revised by P00004, 1 Feb 2002)
(Revised by P00009, 30 Oct 2002)

July 18, 2001
(Revised by P00004, 1 Feb 2002)
(Revised by P00009, 30 Oct 2002)

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PROCEEDINGS TO BE HAD

No.	Name	Rank	Company	Remarks
1
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1.0 INTRODUCTION

1.0.1 Scope

This Statement of Work (SOW) defines the Lockheed Martin effort for the Advanced Targeting Pod (ATP) program to provide the Air Force, for the F-16 Block 50/52 CJ, Block 25/30/32, and the F-15E aircrafts, a fully integrated capability to deliver precision and GPS guided munitions in support of Destruction of Enemy Air Defense (DEAD) missions. Lockheed Martin (hereafter referred to as Contractor) shall provide all effort required for the management, fabrication, integration, test, and logistics support of its Non-Developmental Item (NDI) (Sniper XR) (herein after referred to as Sniper system. Details and information of the efforts that shall be performed are contained herein. These efforts include, as a minimum, systems engineering, program management, Interim Contractor Support, Associate Contractor Agreements, and sustainment support. The Contractor shall ensure that all delivered products meet the requirements as specified in this contract, including the Sniper System Specification (SS), this SOW, and Contract Data Requirements List (CDRL).

This SOW includes all work activities potentially exercisable by the Government under this Indefinite Delivery/Indefinite Quantity (IDIQ) contract. Sections J, Attachment 9, contains a Contract Line Item Number (CLIN)-SOW map which identifies the specific SOW paragraphs to be invoked as the result of Government award of contract CLINs.

1.0.2 Applicable Documents

The following documents of the exact issue shown at the time of initial contract award form a part of this SOW to the extent specified herein. Only documents referenced within the specified requirements are applicable, and only to the extent applied to the requirement. In the event of a conflict between documents referenced and the SOW, the SOW shall take precedence.

Government Documents

AFMFAR 5352.204-9001
(July 1997)

Assignment of Serial Numbers for
Configuration Control and Administration
Of Warranties

AFMFAR 5352.217-9008
(July 1997)

Assignment of National Stock Numbers

AFI-10-602
(20 June 1994)

Determining Logistics Support and Readiness
Requirements

Non-Government Documents

77420004, Rev A

Sniper System Specification (SS) (8 Aug 2002)

1.1 Prime Mission Equipment

The Contractor shall ensure that the ATP Program activity embodies processes and qualities that are compatible with existing manufacturing methods and manufacturing test procedures. The Contractor may use best practices for design and construction. Parts shall meet all performance, reliability, and interface requirements.

1.1.1 Advanced Targeting Pods

The Contractor shall manufacture, test, and deliver Sniper systems which conform to the SS at a monthly rate as required to support the IDIQ structure. This task includes production start-up labor, touch labor, production material, subcontract material, conformance verification, and production support. Tooling, fixtures or special test equipment required to meet IDIQ production rate requirements shall also be provided.

The Contractor shall assure that all software used in the delivered products has been developed and qualified according to documented internal Contractor standards consistent with current industry software development practices. The Contractor shall prepare and deliver a Software Requirements Specification in accordance with CDRL B001 (DI-IPSC-81433A/T) or Single Process Initiative (SPI) CPC96-0024, and Software Product Specification in accordance with CDRL B002 (DI-IPSC-81441A/T) or SPI CPC96-0024. Automated Computer Identification Numbers (ACPIN) shall be provided in accordance with CDRL B003 (DI-MISC-81454A).

The Contractor shall prepare and deliver Product Drawings and Associated Lists in accordance with CDRL B004 (DI-DRPR-81000A/T) and record and prepare Engineering Data Guidance Conference minutes in accordance with B011 (DI-ADMN-81250A).

1.1.2 Pylons

The Contractor shall manufacture, test, and deliver pylons at a monthly rate as required to support the IDIQ structure. The pylons shall be delivered during the base activation period in accordance with the contract Integrated Master Plan/Integrated Master Schedule (IMP/IMS). The pylons shall be certified to be equivalent to the current F-16/LANTIRN configuration and shall be interchangeable with existing fielded pylons.

1.1.3 Pod Refurbishment – FY 03

The Contractor shall refurbish the pods delivered to the USAF or ANG flight test sites in FY03 for purposes of conducting planned Qualification Test & Evaluation (QT&E) or Qualification Operational Test & Evaluation (QOT&E) as part of the comprehensive test program required to allow Required Available Assets (RAA) or the Initial Operations

Capability (IOC). Following refurbishment, these pods shall be delivered to the ANG or USAF as part of the production items called for under CLIN 0001.

1.2 System Engineering/Program Management

1.2.1 Integrated Product and Process Development and Risk Management

The Contractor shall provide for integrated Systems Engineering and Program Management through an ATP Program Integrated Product Team (IPT). The ATP Program IPT shall have the necessary resources and expertise to provide contracted products and services in accordance with this SOW and the SS. The Program IPT shall include Government and Contractor participation and ensure that system performance and operational readiness parameters are achieved. The Contractor shall execute an innovative plan to manage the delivery, integration and certification of the Sniper system. Through the Program IPT relationships, clear visibility into schedule, technical performance and risk shall be maintained. Management and execution shall be aided by an IMP and supported by the IMS. The IMS shall be submitted in accordance with CDRL A011 (DI-MISC-81183A/T).

The Contractor shall perform continual risk assessment in accordance with the Contractor's internally approved policies and procedures. The Contractor shall facilitate a Risk Management IPT providing for government participation. Closure of risk items shall be mutually agreed between Government and Contractor and shall include, as a minimum, the inclusion of the approved closure approach within the IMS and the establishment of criteria by which task completion shall be measured.

The Contractor shall identify and resolve all hazards within the subsystem and support equipment which are categorized as unacceptable or undesirable using the definitions of MIL-STD-882c, Appendix A, Figure 1, as guidance. The Contractor shall document the results of this analysis and identify hazardous materials introduced in the subsystem's or support equipment's life cycle in a safety assessment report. The Contractor shall certify the subsystem and support equipment complies with all safety, suitability, and effectiveness (OSS&E) standards/regulations.

1.2.1.1 System Engineering

The Contractor shall ensure that the Sniper system design integrity is maintained at the system level, and that the provisions of the SS are maintained during production and deployment of the Sniper equipment. This shall include providing the system, hardware, and software engineering disciplines and resources for design compliance and technical oversight to ensure the system performance and operational readiness parameters are met and maintained. The Contractor shall investigate and resolve potential parts obsolescence issues and shall provide sustaining engineering support to ensure contract delivery requirements for configuration items and engineering documentation are met and maintained.

The Contractor shall perform all tasks necessary to assure system integrity of the Sniper system. The Contractor shall assume Total System Integration Responsibility (TSIR). Under TSIR, the Contractor shall support Test Planning Working Group (TPWG) activities, review test plans and procedures, support government and associate Contractor integration activities, and manage future Sniper system product improvements and associated installation activities.

The Contractor shall prepare and deliver a Sniper XR System Description Document (SDD) (CDRL D001 DI-IPSC-81430A/T).

1.2.1.1.1 Reliability Growth Program

The Contractor shall establish and execute a reliability growth program to achieve the proposed reliability growth curve profile. A Reliability Growth Plan (RGP) will be developed which incorporates appropriate tracking and assessment techniques to ensure that support cost risk is properly addressed and reduced. All applicable hardware testing will be tracked to a predefined growth curve. Additional testing performed on vendor critical items may also be used to demonstrate that the reliability growth is on track. Fielded system data collection will be performed to ensure consistency between test data and fielded equipment reliability. The Contractor shall implement and maintain a Failure Reporting and Corrective Action System (FRACAS) to monitor growth, identify trends, and track the implementation of corrective design, manufacture, or retrofit activities.

1.2.1.2 Program Management

The Program Management IPT shall direct the Contractor's efforts through use of an IMP. The IMP shall incorporate the Contractor's internally approved management processes and procedures. Program Management activities shall include program coordination, data item approval, program finance support for cost control, risk management and mitigation. The Contractor's IMP shall identify all work to be accomplished, the organizations responsible for performing work, and the schedules for starting and completing work. The Program IPT shall implement the IMS which shall depict program milestones, activities, events, and associated critical paths. The IMS shall be the primary means of communicating the program progress to contractual delivery schedules.

Upon implementation of a Depot Partnership concept, the Contractor shall prepare and deliver a Management Plan in accordance with CDRL A023 (DI-MGMT-80004/T). The Management Plan shall address and provide means for the Government to enter into a contractual agreement for Depot Partnering.

The Contractor shall conduct In-Process Review (IPRs) for Flight and Maintenance Manuals at the Contractor's facility for Blocks 30 and 50 when data has reached the 30% and 70% percent completion points. IPRs shall also be conducted for the

Technical Data Package (TDP) at the Contractor's facility when data has reached the 30%, 50%, and 80% percent completion points. Coordination of risk items with the Government shall be documented and discussed as part of the IPRs.

1.2.2 Configuration and Data Management

The Contractor shall establish and maintain a Configuration Management (CM) Program which defines the management system for configuration identification, audits, change control and status accounting for the ATP Program in accordance with Contractor's internal policies and procedures. The Contractor shall provide a single configuration management focal point within the Program Management IPT.

The Contractor shall identify and document the configuration identification of the Hardware Configuration Items (HWCIs) and Computer Software Configuration Items (CSCIs). The Contractor shall utilize assigned Government nomenclature, serial numbers, national stock numbers (NSN) in accordance with AFMFAR 5352.204-9001 and AFMFAR 5352.217-9008. Nomenclature assignment shall be in accordance with the CDRL A005 (DI-CMAN-81254A).

The Contractor shall establish, implement, and maintain the methods and procedures for control of changes. Changes to contractual requirements (non-technical) shall be prepared and submitted in accordance with CDRL A001 (DI-ADMN-81401A). Designated baseline technical documents may only be changed as the result of the Government approval in accordance CDRL A002 (DI-CMAN-80639B/T), and A003 (DI-CMAN-80643B). The Contractor shall require subcontractors to provide internal configuration management to the same levels of control the Contractor uses to assure adequacy and accuracy of end item configurations and associated data required by this contract.

The Contractor shall perform a Functional Configuration Audit to verify the configuration items and system's performance against its configuration documentation.

The Contractor shall maintain a data management system to ensure that the data items are electronically submitted on schedule to meet program milestones and that the content complies with requirements of the contract. The data management system shall document tracking and monitoring of data submittals, coordination, changes, and approval status. The Contractor shall provide for a single focal point for data management within the Program Management IPT.

Preparation and data delivery shall be in accordance with the CDRL (DD Form 1423) and Data Item Descriptions (DIDs) (DD Form 1664). The data management system shall include preparation, maintenance and submission of a Data Accession List (DAL)

in accordance with the CDRL A010 (DI-MGMT-81453). The Contractor shall require subcontractors to develop and control data according to the same levels of control the Contractor uses to assure adequacy and delivery of data required by this contract. All contractual data and other relevant documentation will be delivered and maintained on a World Wide Web (WWW) site to ensure optimum communications and information exchange. The preferred data format shall be in Adobe Acrobat.

1.2.3 Product Improvement Management

Product Improvement Management shall be executed by the Program IPT and the sub-tier Systems Engineering and Integration Team (SEIT) to ensure effective and economical continuity within the Contractor's overall business base and within the industry in general. The Contractor shall monitor industry trends and recommend product improvements when these can be identified to improve performance, reliability, operational readiness, cost, schedule, or availability.

1.2.4 Conformance Verification

The Contractor shall invite the Government to witness any performance verification activities identified and defined as contract requirements in the SS. The Contractor shall furnish all necessary equipment, facilities, and manpower (avionics hardware, software emulation tools, technicians' etc.) required to conduct the verification tests and demonstrations. The Contractor shall conduct a set of tests and demonstrations to permit the Government to evaluate and accept Sniper performance. The Contractor will coordinate verification event schedules with the Government and shall provide the scheduled date and location of each verification event or group of events at least thirty (30) days prior to the start of the event. If the Contractor must reschedule an event, the Contractor shall provide notification at least ten (10) days prior to the original event date.

The Contractor shall utilize test/demonstration specifications and test procedures for validation in accordance with Contractor internal policies and procedures. The specifications will include analysis for determining tolerance allocations and failure criteria and will define how individual test results will be correlated with test results from other design validation activities to demonstrate compliance with specified performance requirements. The Contractor will prepare test/demonstration reports in accordance with the Contractor's internal policies and procedures. All conformance verification documentation will be available for Government review at Contractor's facility.

1.2.5 Associate Contractor Agreement

The Contractor shall establish an Associate Contractor Agreement (ACA) with the F-15 aircraft prime contractor and actively support the establishment and control of interface agreements. The Contractor shall submit all source data to the aircraft contractors for all technical manual updates required to integrate Sniper into the weapon system. The

Contractor shall provide inputs to the specific aircraft Interface Control Documents (ICDs) as required in accordance with CDRL A004 (DI-CMAN-81248/T). For the F-16, these same responsibilities will be accomplished between the Contractor and the aircraft prime contractor, Lockheed Martin Aeronautics Company in accordance with the Contractor's corporate policies. Support to the aircraft prime contractor shall be provided throughout the performance period of sections 1.3, 1.4, 1.5 and 1.6 of this SOW.

1.2.6 Pod Software Development

The Contractor shall develop and deliver pod software conforming to the System Specification and the applicable ICD's referenced therein. The pod software shall allow the advanced functions defined by the System Specification to be utilized by the tactical pilot for each of the aircraft referenced in sections 1.3, 1.4, 1.5, and 1.6 of this SOW. In the event the referenced ICD's do not support the Sniper XR advanced functions, the contractor shall define and implement pod software changes allowing these functions to be executable by the pilot without the need for aircraft software changes. All ICD's and associated pod software implementations for the advanced functions shall be approved by the USAF and associate contractors in accordance with section 1.2.5 of this SOW.

1.3 F-16, BLOCK 30 SERIES AIRCRAFT INTEGRATION AND TEST

The Contractor shall co-chair a Block 30 Integration Test Team with USAF, ANG, and AC participation. The Integration IPT shall facilitate coordination to ensure that the system integration allows full performance as identified within this SOW, the SPIs and associated F-16 Block 30 SCU 4.1+ and SCU 5 ICDs. As a facilitator of the Integration IPT, the Contractor shall conduct Test Planning Working Group (TPWG) meetings and support aircraft System Integration Laboratory/Avionics System Integration Facility (SIL/ASIF) integration, simulator, ground and flight testing at USAF flight test sites as coordinated by the Integration IPT. Contractor support to Block 30 aircraft integration and testing will be provided in accordance with Section J, Attachment 6 (IMP) and the Program IMS.

1.3.1 SNIPER Integration and Test

The Contractor shall provide the systems, hardware, software and test engineering effort required to verify interface of the Sniper system to the F-16 Block 30/32 C/D aircraft and ensure Sniper compliance with the Block 30 SCU 4.1+ ICD and the SS. The Activity includes review of baseline Pilot Vehicle Interface (PVI) mechanization, PVI design update, Aircraft Integration Freeze Activities and installed performance analysis review, and Qualification test planning and conduct. The Contractor shall maintain the Sniper internal software to include the interface-to-aircraft software to ensure it meets its assigned functional and performance requirements. The Contractor shall resolve Sniper problems uncovered by these reviews and test. Acceptance Test Procedures shall be submitted in accordance with CDRL A009 (DI-NDTI-80566).

The Contractor will provide two production representative capital pod assets, associated spares and repairs, and Sniper capital engineering test equipment necessary to support the Block 50 SIL and Block 30 ASIF. The pods shall be fully functional including the XR FLIR processing capability with the exception of operational Laser Marker and Day TV. The Laser Marker and Day TV functions shall be simulated allowing for pilot vehicle interface and aircraft OFP test support. These assets will be provided as needed to support the SIL/ASIF activity in accordance with the IMP/IMS. This equipment shall be provided through IOC on each of the Block 30 and Block 50 aircraft configurations. Ownership of the test assets will be retained by the Contractor.

The Contractor shall provide maintenance and repair of the Contractor owned pods throughout the SIL/ASIF activities. This support shall include, as a minimum, the following:

- a. Repair of failed equipment.
- b. Additional on-site technical support on an as needed basis.
- c. Assistance in analysis of failures and identification of corrective actions.
- d. Spare Parts

The contractor shall conduct a risk mitigation flight test program for the purposes of generating pod flight performance data. The pod performance data shall be compiled by the contractor and summary information reported to the government. The flight test program shall be conducted on a government leased aircraft with all associated costs to be managed by the contractor. The risk reduction flights shall collect at a minimum, FLIR (with XR processing) performance data, transfer alignment data, and if a buddy laser is available, Laser Spot Tracking (LST) performance. The contractor shall attempt to demonstrate the aforementioned capabilities at system specification performance levels.

1.3.2 Avionics Software Integration Facility Test Support

The Contractor shall provide training and support Software Compatibility Qualification Testing to be conducted by the Government at Hill AFB prior to SEEK Eagle or any other qualification tests. The Contractor shall provide adequate technical support personnel to support the duration of the ASIF testing for successful conclusion of the testing within the planned test interval. The Contractor shall provide all pre-test planning and preparations to seamless integration activity. The Contractor shall be responsible for shipping of the capital pod and engineering test equipment to and from the test facility.

1.3.3 SEEK EAGLE Test Support

The Contractor shall provide technical labor required to plan, prepare data and support SEEK EAGLE Flight Qualification Testing to be conducted by the Government prior to the Qualification Flight Tests. Aircraft compatibility tests shall be accomplished on the

aircraft, in addition to ground EMI/EMC avionics compatibility checks. The Contractor shall provide the necessary test support and problem resolution to obtain flight clearance. The Contractor shall be responsible for shipping of the pod and support equipment to and from the test facility.

1.3.4 Qualification Test & Evaluation Support

The Contractor shall provide Field Service Engineering (FSE) training and support for flight tests in support of the Sniper certification at the Tucson Test Center in Arizona. The Contractor's support shall include QT&E Flight Readiness Review, bench testing, data analysis, problem identification and resolution, engineering support for any SNIPER equipment integration problems and FSE support at Edwards AFB, CA. . The Contractor shall provide inputs and support to the QT&E test plan, which shall be prepared for all QT&E activities. At the completion of Sniper flight test, the Contractor shall support the preparation of reports documenting the test results. The Contractor shall repair and maintain test assets during Sniper flight tests. The Contractor shall be responsible for shipping of the pod and engineering test equipment to and from the test facility.

1.3.5 Qualification Operational Test & Evaluation Support

The Contractor shall provide Field Service Engineering (FSE) training and support for flight tests in support of the Sniper certification at the Tuscon AATC. The Contractor's support shall include QOT&E Flight Readiness Review, bench testing, data analysis, problem identification and resolution, engineering support for any Sniper equipment integration problems and FSE support at the first Major Operating Base (MOB). The Contractor shall provide inputs and support to the QOT&E test plan, which shall be prepared for all QOT&E activities. At the completion of Sniper flight tests, the Contractor shall support the preparation of reports documenting the test results. The Contractor shall repair and maintain test assets during flight tests. The Contractor shall be responsible for shipping of the pod and engineering test equipment to and from the test facilities.

1.4 F-16, Block 40/50 Series Aircraft Integration and Test

The Contractor shall co-chair a Block 40/50 Integration Test Team with USAF, ANG, and AC participation. The Integration IPT shall facilitate coordination to ensure that the system integration allows full performance as identified within this SOW, the SPIs and associated F-16 Block 40/50 M3+ and M4 ICDs. As a facilitator of the Integration IPT, the Contractor shall support the conduct of Test Planning Working Group (TPWG) meetings and support aircraft SIL/ASIF integration, simulator, ground and flight testing at USAF flight test sites as coordinated by the Integration IPT. Contractor support to Block 40/50 aircraft integration and testing will be provided in accordance with Section J, Attachment 6 (IMP) and the Program IMS.

1.4.1 SNIPER Integration and Test

The Contractor shall provide the systems, hardware, software and test engineering effort required to verify Sniper interface to the F-16 Block 40/50/52 C/D aircraft and ensure Sniper compliance with the Block 50 M3+ and M4 ICDs and the SS. The Activity includes review of baseline Pilot Vehicle Interface (PVI) mechanization, PVI design update, Aircraft Integration Freeze Activities and installed performance analysis review, and support of Qualification test planning and conduct. The Contractor shall maintain the Sniper internal software to include the interface-to-aircraft software to ensure it meets its assigned functional and performance requirements. The Contractor shall resolve Sniper problems uncovered by these reviews and tests. Acceptance Test Procedures shall be submitted in accordance with CDRL A009 (DI-NDTI-80566). In conjunction with the M3+ and M4 activity referenced above, the contractor shall conduct Maverick missile integration activities on the Block 40 avionics configuration.

1.4.2 Software Integration Laboratory Test Support

The Contractor shall provide training and support Software Compatibility Qualification Testing to be conducted by Lockheed Martin Aeronautics at its Ft. Worth Facility. The Contractor shall provide adequate technical support personnel to support the duration

of the SIL testing for successful conclusion of the testing within the planned test interval. The Contractor shall provide all pre-test planning and preparations to seamless integration activity. The Contractor shall be responsible for shipping of the capital pod and engineering test equipment to and from the test facility. In conjunction with the M3+ SIL, the contractor shall support SIL activity with the Block 40 configuration avionics for the purposes of testing the Maverick missile integration capabilities of the Sniper XR system.

1.4.3 SEEK EAGLE Validation/Verification

The Contractor shall provide technical labor required to plan, prepare data and support SEEK EAGLE Flight Qualification Testing to be conducted by the Government at Eglin AFB prior to any other Qualification Flight Tests. Aircraft and EMI/EMC compatibility ground tests shall be accomplished. The Contractor shall provide the necessary test support and problem resolution to obtain flight clearance. The Contractor shall be responsible for shipping of the pod and support equipment to and from the test facility.

1.4.4 Qualification Test & Evaluation Support

The Contractor shall provide Field Service Engineering (FSE) training and support for flight tests in support of the Sniper certification at the USAF AFFTC. The Contractor's support shall include Qualification Test & Evaluations (QT&E) Flight Readiness Review, bench testing, data analysis, problem identification and resolution, engineering support for any Sniper equipment integration problems and FSE support in Edwards AFB, CA. The Contractor shall provide inputs and support to the QT&E test plan, which will be prepared for all QT&E activities. At the completion of Sniper flight test, the Contractor shall support reports documenting the test results. The Contractor shall repair and maintain test assets during Sniper flight tests. The Contractor shall provide Sniper pod training for the AFFTC F-16 pilots. The Contractor shall be responsible for shipping of the pod and engineering test equipment to and from the test facility. . In conjunction with the M3+ flight test activity, the contractor shall support QT&E flight test with the Block 40 configuration avionics for the purposes of testing the Maverick missile handoff performance of the Sniper XR system.

1.4.5 Qualification Operational Test & Evaluation Support

The Contractor shall provide Field Service Engineering (FSE) training and support for flight tests in support of the Sniper certification at the AFOTEC located at Nellis AFB, NV. The Contractor's support shall include Qualification Operational Test & Evaluation (QOT&E) Flight Readiness Review, bench testing, data analysis, problem identification and resolution, engineering support for any Sniper equipment integration problems and FSE support at the first MOB. The Contractor shall provide inputs and support to the QOT&E test plan, which shall be prepared for all QOT&E activities. At the completion of Sniper flight tests, the Contractor shall support the generation of reports documenting the test results. The Contractor shall repair and maintain test assets during flight tests.

The Contractor shall be responsible for shipping of the pod and engineering test equipment to and from the test facilities.

1.5 F-15E Aircraft Requirements, Integration and Test Planning

The Contractor shall work with the Government and through its ACA agreement with the Boeing Company to plan the detailed interface definitions and integration requirements and integration plan for integration of the Sniper on the F-15 E aircraft. The plan shall address mechanical, electrical, software and PVI interfaces, AIC integration, and both QT&E and QOT&E fight test verification. The plan will define test assets adequate to perform the integration and test activity.

1.6 F-15E Aircraft Integration and Test

The Contractor shall provide the systems, hardware, software and test engineering effort required to verify interface of the to the F-15E aircraft (Suite 5 OFP) and ensure Sniper compliance with the F-15E ICD's and the SS. The Activity includes review of baseline Pilot Vehicle Interface (PVI) mechanization, PVI design update, support of Aircraft Integration Freeze Activities and installed performance analysis review, and Qualification test planning and conduct. The Contractor shall maintain the Sniper internal software to include the interface-to-aircraft software to ensure it meets its assigned functional and performance requirements. The Contractor shall resolve Sniper problems uncovered by these reviews and test. Contractor support to the F-15E aircraft integration and testing will be provided in accordance with Section J, Attachment 6 (IMP).

1.6.1 Sniper Integration and Test

The Contractor will provide one production representative asset, to be used in conjunction with a Government Furnished Equipment (GFE) Sniper XR pod, associated spares and repairs, and Sniper capital engineering test equipment necessary to support the F-15E integration efforts at the Boeing Company's facility. These assets will be provided as needed to support the Avionics Integration Center (AIC) activity in accordance with the IMP/IMS. This equipment shall be provided through IOC F-15E aircraft configurations. Ownership of the Customer Furnished Equipment (CFE) test assets will be retained by the Contractor.

The Contractor shall provide maintenance and repair of the Contractor owned pods throughout the AIC activities. This support shall include, as a minimum, the following:

- a. Repair of failed equipment.
- b. Additional on-site technical support on an as needed basis.
- c. Assistance in analysis of failures and identification of corrective actions.
- d. Spare Parts

Acceptance Test Procedures shall be submitted in accordance with CDRL A009 (DI-NDTI-80566).

1.6.2 Software Integration Laboratory Test Support

The Contractor shall support Software Compatibility Qualification Testing to be conducted by the Boeing Company at its St. Louis Avionics Integration Center (AIC) Facility prior to Aircraft Certification or any other qualification tests. The Contractor shall provide adequate technical support personnel to support the duration of AIC testing for successful conclusion of the testing within the planned test interval. The Contractor shall provide all pre-test planning and preparations to seamless integration activity. The Contractor shall be responsible for shipping of the pod and peculiar test equipment to and from the test facility.

1.6.3 Aircraft Certification Test Support

The Contractor shall provide technical labor required to support planning, prepare data and support Aircraft Certification Flight Qualification Testing to be conducted by the Government at Eglin AFB prior to any other Qualification Flight Tests. Software analysis, and physical and compatibility tests shall be accomplished. The Contractor shall provide the necessary test support and problem resolution to obtain flight clearance. The Contractor shall be responsible for shipping of the pod and support equipment to and from the test facility.

1.6.4 Qualification Test & Evaluation Management/Support

The Contractor shall provide Field Service Engineering (FSE) support for flight tests in support of the SNIPER certification at the USAF AFFTC. The Contractor's support shall include Qualification Test & Evaluations (QT&E) Flight Readiness Review, bench testing, data analysis, problem identification and resolution, engineering support for any Sniper equipment integration problems and FSE support in Edwards AFB, CA. The Contractor shall provide inputs and support to the QT&E test plan, which shall be prepared for all QT&E activities. At the completion of Sniper flight test, the Contractor shall support the generation of reports documenting the test results. The Contractor shall repair and maintain test assets during Sniper flight tests. The Contractor shall be responsible for shipping of the pod and engineering test equipment to and from the test facility.

1.6.5 Qualification Operational Test & Evaluation Support

The Contractor shall provide Field Service Engineering (FSE) support for flight tests in support of the Sniper certification at the AFOTEC located at Nellis AFB, NV. The Contractor's support shall include Qualification Operational Test & Evaluation (QOT&E) Flight Readiness Review, bench testing, data analysis, problem identification and resolution, engineering support for any Sniper equipment integration problems and FSE support at the first MOB. The Contractor shall provide inputs and support to the

QOT&E test plan, which shall be prepared for all QOT&E activities. At the completion of Sniper flight tests, the Contractor shall support the generation of reports documenting the test results. The Contractor shall repair and maintain test assets during flight tests. The Contractor shall be responsible for shipping of the pod and engineering test equipment to and from the test facilities.

1.7 Support Equipment

The Contractor shall define Sniper unique support equipment for operating site-level storage, handling and transport of Sniper pods and Line Replaceable Units (LRUs); removal and installation of pods from the aircraft; and removal and replacement of LRUs from pods. Sufficient equipment shall be provided to support the operational availability requirements. The Contractor shall identify and recommend the details of this equipment through submission CDRL A008, Logistics Management Information Summaries (DI-ALSS-81530/T). Organization level support equipment shall be documented in accordance with CDRL A012 (DI-DRPR-81000A/T). The Contractor shall record and prepare minutes of the Engineering Data Guidance Conference in accordance with CDRL A022 (DI-ADMIN-81250A). A portable maintenance aid (PMA) shall be provided to interface with the pods when removed from the aircraft. The PMA shall display the pod's BIT diagnostics for maintenance off aircraft.

1.7.1 STORAGE STANDS

The O-level support equipment required for the Sniper pod will include storage stands and existing F-16 support equipment. The Contractor shall provide two (2) storage stands to be utilized on the flight line or other unprotected storage facility to allow easy transfer of pods and to facilitate loading/off-loading of the pod. The stand shall provide access for the replacement of all LRUs and for appropriate fault analysis.

1.7.2 PORTABLE MAINTENANCE AIDS

The O-level support equipment useful for supporting the Sniper pod will include Portable Maintenance Aids (PMA's). The Contractor shall provide one (1) PMA to be utilized on the flight line or other unprotected storage facility to enhance organization level maintenance activities. The Contractor shall provide two (2) PMA for each war-time contingency spares pack provided.

1.8 SHIPPING CONTAINERS

The Contractor shall deliver reusable shipping containers which shall be documented in accordance with CDRL A012 (DI-DRPR-81000A/T). Shipping container test results shall be document in accordance with CDRL A013 (DI-NDTI-80809B/T). Specific container requirements shall be screened against the Container Design Retrieval System (CDRS) in accordance with CDRL A014 (DI-PACK-80683A) prior to container design. The Contractor shall pack and ship Sniper and the shipping containers in compliance with AFMC Form 158. The Contractor shall provide associated packaging

documentation in accordance with the CDRL A015 (DI-PACK-80120B/T) and CDRL A016 (DI-PACK-80121B/T).

1.8.1 Pod Containers

The Contractor shall provide reusable shipping containers for the SNIPER pods at a monthly rate as required to support the IDIQ structure. The containers shall be delivered with the Sniper to aid in the maintenance, storage and shipment of the pod to and from each site.

1.8.2 LRU Containers

The Contractor shall procure and deliver reusable shipping containers for the Spares provisioning for each of the activated sites at a monthly rate as required to support the IDIQ structure. The containers shall be delivered with the spares applicable to 2.1.5 and 2.2.5 of this SOW, for each site.

1.9 Technical Data

Where exercised by the Government, the Contractor shall provide technical data under CDRL Exhibits listed in Section J of the Contract.

1.10 Interim Contractor Support (ICS)

The Contractor shall plan, schedule and coordinate the introduction of Sniper assets into the operational environment in close cooperation with the Government. An Interim Contractor Support Plan shall be developed to implement depot support for early production units. The ICS plan will utilize the production facilities and minimize investment commitment. ICS planning tasks includes spares support, support for deployment and contingencies, technical data, support equipment, warranty implementation, and depot repair.

1.10.1 Total System Support Responsibility (TSSR)

The Contractor shall maintain Total System Support Responsibility (TSSR) for the Sniper following the guidelines of AFI-10-602 for the ten (10) elements of Air Force Logistics Management. The Contractor shall develop and track support system metrics such as repair turn time and parts availability. The metrics shall be used to assess the sustainment of the Sniper, ground support systems, operations and maintenance, and supply chain. Corrective actions will be developed, as required, including updates to systems engineering data, technical data, and the implemented support concept. In addition, with specific regard to parts obsolescence each subcontractor will be required to provide advance notification and full disclosure of any event, financial or other, and any occurrence, technological or other, that will impact on the continuous flow of the materials purchased under the subcontract. TSSR shall include the project

management, item management, production control, two-way repair transportation, inventory of spares and repair material, sustaining hardware and software engineering, financial management, contract management, logistics management, configuration control, provisioning, and quality control functions during the ICS period of performance.

1.10.2 Maintenance

The contractor shall provide all resources required to perform depot repair of Sniper hardware during the ICS period of performance. The contractor shall maintain sufficient LRU/SRU spares, repair material, and shipping containers to implement ICS.

1.11 CID Incorporation

The Contractor shall perform an analysis showing the compliance of the CID performance to the System Specification. The analysis shall be documented and delivered to the USAF for approval. The report shall include pod level test criteria along with recommended acceptance test procedures necessary for verifying the field retrofit capability of the pod. Pod level performance of these parameters shall be acceptance tested on each delivered pod per USAF approved acceptance test procedures.

2.0 Sustainment Support (O-Level)

The Contractor shall provide a single point of contact for supportability and Integrated Logistics Support (ILS) data and management. An ILS program shall be implemented and maintained identifying tasks, schedule and organizations involved in the performance of support program tasks. The Contractor shall provide support and present ILS status and issues at PMRs, ILSMTs, TIMs, design reviews, and program reviews.

The Contractor shall maintain TSSR for the Sniper. The Contractor shall develop and track support system metrics such as repair turn time and parts availability. The metrics shall be used to assess the sustainment of the Sniper, ground support systems, operations and maintenance, and supply chain. Corrective actions will be developed, as required, including updates to systems engineering data, technical data, and the implemented support concept.

2.1 United States Air Force (Active Duty)

The Contractor shall provide for site activation services and organizational level support resources for 10 (ten) United States Air Force Squadrons.

2.1.1 Maintenance

The Contractor shall plan and implement a two-level support concept for the Sniper that is compliant with the requirements of the SS.

An organizational level maintenance plan shall identify the training requirements, facility requirements, hazardous material list, skill level, tool requirements, repair parts and consumables, and support equipment needed for organizational level maintenance activities. The plan shall include contingencies for operational surges.

The Contractor shall develop and provide the system support package required for activation of an organizational operating site.

The Contractor shall prepare a comprehensive plan for supporting site activation to include maintenance concept, a spares list and a description of the methodology used to determine the range/depth of spares required, a description of all required support equipment for organizational level repair, and a list of effected tech orders. The plan shall be developed in accordance with CDRL A019 (DI-ILSS-81225/T).

The Contractor shall coordinate delivery of the site activation resources and provide an on-site technical representative for initial training and maintenance in accordance with the site activation plan. Site activation of USAF CONUS and OCONUS locations shall be provided per the IDIQ structure.

The following Site Activation Criteria shall be satisfied to complete this activity:

- All Sniper equipment is in place, ready for use at the determined site activation point including:
- Eight pod systems (pods, storage stands, pod to pylons, technical manuals) at each location.
- O-Level Support Equipment is in place, operational and crew(s) fully trained, and the SNIPER can be maintained with O-Level SE.
- Two (2) shipping containers for use in rainbowing equipment.
- Range and depth of spares necessary to maintain pod availability.
- All required pilots and ground crews are trained and capable of sustaining air operations.
- Contractor not involved in any O-level operations.
- Availability requirements are met over a 30-day Site Activation mission readiness period to include the following IOC scenarios
- Normal operations
- Deployment
- Contingencies

2.1.2 Sustaining Engineering

The Contractor shall provide sustained engineering support at the Contractor's facility to assure the continued producibility and supportability of the Sniper system.

2.1.3 Data

The Contractor shall provide source data for Flight and Organizational Level Maintenance manuals to incorporate Sniper specific procedures. The data shall include:

- Air Crew data
- Organizational Level maintenance data
- Pod loading and handling procedures
- SE technical data

The Contractor shall validate data by review, analysis, or physical performance prior to delivery to the Government for use during operational test and evaluation. The Government and/or a user representative, as available, may witness the validation activity. Validation activities will be scheduled to provide sufficient time for incorporation of comments prior to the next required delivery. The Contractor shall provide Technical Manuals and notices in accordance with CDRL A017 (TMCR-86-01H) and CDRL A018 (DI-TMSS-80067B/T).

The Contractor shall provide commodity manuals for the F-16. The Contractor shall provide a commodity manual for two (2) pieces of Ground Support Equipment and for the Sniper XR Pod. The Contractor shall provide the commodity manuals in accordance with CDRL C001 (TMCR-86-01H).

2.1.4 Training

The Contractor shall provide aircrew and maintenance training for USAF personnel. The training shall include theory operation, equipment description, BIT operation and results, and flight line maintenance. Training documentation shall be provided as specified in CDRLs A020 and A021 (DI-ILSS-80872/T).

Aircrew Training Materials Source data shall be provided for integration in the F-16 operator training courses. Material shall include theory operation, equipment description, and BIT operation and results.

Maintainer Training Materials Organizational Level maintenance course materials for the SNIPER shall be developed. The course material will cover installation, removal, LRU R&R, and BIT operation and troubleshooting.

2.1.5 Spares

The Contractor shall deliver the LRU site spares and repair material required to achieve the warranted system availability.

2.2 Air National Guard

The Contractor shall provide for site activation services and organizational level support resources for 9 (nine) United States Air National Guard Squadrons.

2.2.1 Maintenance

The Contractor shall plan and implement a two-level support concept for the Sniper that is compatible with the requirements of the SS.

An organizational level maintenance plan shall identify the training requirements, facility requirements, hazardous material list, skill level, tool requirements, repair parts and consumables, and support equipment needed for organizational level maintenance activities. The plan shall include contingencies for operational surges.

The Contractor shall develop and provide the system support package required for activation of an organizational operating site.

The Contractor shall prepare a comprehensive plan for supporting site activation to include maintenance concept, a spares list and a description of the methodology used to determine the range/depth of spares required, a description of all required support equipment for organizational level repair, and a list of effected tech orders. The plan shall be developed in accordance with CDRL A019 (DI-ILSS-81225/T).

The Contractor shall coordinate delivery of the site activation resources and provide an on-site technical representative for initial training and maintenance in accordance with the site activation plan. Site activation of USANG CONUS locations shall be provided to support the IDIQ structure.

The following Site Activation Criteria shall be satisfied to complete this activity:

- All Sniper equipment is in place, ready for use at the determined site activation point including:
- Eight pod systems (pods, storage stands, pod to pylons, technical manuals) at each location.
- O-Level Support Equipment is in place, operational and crew(s) fully trained, and the Sniper can be maintained with all O-Level SE.
- Two (2) shipping containers for use in rainbowing equipment.

- Range and depth of spares necessary to maintain pod availability.
- All required pilots and ground crews are trained and capable of sustaining air operations.
- Contractor not involved in any O-level operations.
- Availability requirements are met over a 30-day Site Activation mission readiness period to include the following IOC scenarios
 - Normal operations
 - Deployment
 - Contingencies

2.2.2 Sustaining Engineering

The Contractor shall provide sustained engineering support at the Contractor's facility to assure the continued producibility and supportability of the Sniper system.

2.2.3 Data

The Contractor shall provide source data for Flight and Organizational Level Maintenance manuals to incorporate Sniper specific procedures. The data shall include:

- Air Crew data
- Organizational Level maintenance data
- Pod loading and handling procedures
- SE technical data

The Contractor shall validate data by review, analysis, or physical performance prior to delivery to the Government for use during operational test and evaluation. The Government and/or a user representative, as available, may witness the validation activity. Validation activities will be scheduled to provide sufficient time for incorporation of comments prior to the next required delivery. The Contractor shall provide Technical Manuals and notices in accordance with CDRL A017 (DI-TMSS-80067B/T) and CDRL A018 (DI-ILSS-81225/T).

The Contractor shall provide commodity manuals for the F-16. The Contractor shall provide a commodity manual for two (2) pieces of Ground Support Equipment and for

the Sniper XR Pod. The Contractor shall provide the commodity manuals in accordance with CDRL C001 (TMCR-86-01H).

Training

The Contractor shall provide aircrew and maintenance training for USANG personnel. The training shall include theory operation, equipment description, BIT operation and results, and flight line maintenance. Training documentation shall be provided as specified in CDRLs A020 (DI-ILSS-80872/T) and A021 (DI-ILSS-80872/T).

Aircrew Training Materials Source data shall be provided for integration in the F-16 operator training courses. Material shall include theory operation, equipment description, and BIT operation and results.

Maintainer Training Materials Organizational Level maintenance course materials for the Sniper shall be developed. The course material will cover installation, removal, LRU R&R, and BIT operation and troubleshooting.

2.2.5 Spares

The Contractor shall deliver the LRU site spares and repair material required to achieve the warranted system availability.

3.0 Sustainment Support (Long Term)

The Contractor shall provide a long-term depot sustainment program based on the results of the SORAP and the executed CLIN options. The resulting depot can be totally Contractor Logistic Support (CLS), totally organic, or a depot partnership.

3.1 CLS Support

The Contractor shall implement CLS for the total depot support effort. The CLS effort shall be tailored by the Depot Plan. The CLS service will be exercised in FY 05 for performance during CY 05 and continue per the Depot Plan.

3.1.1 TSSR

The Contractor shall maintain Total System Support Responsibility (TSSR) for the Sniper following the guidelines of AFI-10-602 for the ten (10) elements of Air Force Logistics Management. The Contractor shall develop and track support system metrics such as repair turn time and parts availability. The metrics shall be used to assess the sustainment of the Sniper, ground support systems, operations and maintenance, and supply chain. Corrective actions will be developed, as required, including updates to systems engineering data, technical data, and the implemented support concept. In addition with specific regard to parts obsolescence each subcontractor will be required to provide advance notification and full disclosure of any event, financial or other, and

any occurrence, technological or other, that will impact on the continuous flow of the materials purchased under the subcontract. TSSR shall include the project management, item management, production control, two-way repair transportation, inventory of spares and repair material, sustaining hardware and software engineering, financial management, contract management, logistics management, configuration control, provisioning, and quality control functions during the CLS period of performance.

3.1.2 Warranty

The Contractor shall implement and administer a warranty program which shall ensure ATP availability in accordance with SS. The Contractor shall review, analyze and categorize failures, develop a database for failure tracking and procurement to recommend and implement product and process updates which improve the ATP availability without compromise to other performance parameters. The Sustainment IPT shall ensure implementation of required warranty operations at subcontractors' locations.

The Contractor shall implement a warranty data collection effort for operating hours and equipment failures to assess the ATP availability. Availability is calculated using the Air Force RAMPOD system.

3.1.3 Maintenance

The contractor shall provide depot level repair services for the period of performance. The repair services will include repair, personnel training, SE and SE maintenance, facilities maintenance, technical data maintenance, software maintenance, technical orders, and quality control.

3.2 Organic Repair Stand-up

The Contractor shall provide data to support the government Source of Repair Assignment Process (SORAP), shall participate in SORAP Working Group meetings, and shall provide documentation in accordance with CDRL A007 (DI-ATTS-80041A/T). The Contractor shall prepare and submit a Depot Maintenance Cost Report in accordance with CDRL A006 (DI-FNCL-80462/T).

The contractor shall provide the training, data, and equipment to establish organic depot repair for the line items selected in the execution of CLIN 0017, based on the SORAP decision.

Logistics Management Information (LMI) summaries will be developed in accordance with CDRL B007 (DI-ALSS-81529). Supplemental data for provisioning shall be provided as specified by CDRL B006 (DI-ALSS-81557).

3.2.1 Depot Tech Orders

The Contractor shall provide Depot Technical Manuals in commercial formats in accordance with CDRL B010 (TMCR-86-01H Tailored). Conference minutes in accordance with CDRL B011 (DI-ADMIN-81250A) shall be provided to document the results of the TO guidance, planning, and review meetings.

3.2.2 Training

The contractor shall prepare depot training materials and provide initial training services for the selected repairable line items in accordance with CDRL B009 (DI-ILSS-80872/T).

3.2.3 Test Requirements Documents

The Contractor shall submit Test Requirements Documents (TRDs) in accordance with CDRL B005 (DI-ATTS-80041A). The TRDs shall be delivered for each repairable assembly (LRU, SRU, CCA and/or Module).

3.2.4 Unique Support Equipment

The Contractor shall define and produce Sniper unique depot support equipment for repair of each Sniper LRU. Calibration and measurement requirements shall be defined and documented in accordance with CDRL B008 (DI-QCIC-80278A).

3.2.5 TSSR

The Contractor shall maintain Total System Support Responsibility (TSSR) for the Sniper following the guidelines of AFI-10-602 for the ten (10) elements of Air Force Logistics Management. The Contractor shall develop and track support system metrics such as repair turn time and parts availability. The metrics shall be used to assess the sustainment of the Sniper, ground support systems, operations and maintenance, and supply chain. Corrective actions will be developed, as required, including updates to systems engineering data, technical data, and the implemented support concept. In addition with specific regard to parts obsolescence each subcontractor will be required to provide advance notification and full disclosure of any event, financial or other, and any occurrence, technological or other, that will impact on the continuous flow of the materials purchased under the subcontract. TSSR shall include the project management, item management, production control, two-way repair transportation, inventory of spares and repair material, sustaining hardware and software engineering, financial management, contract management, logistics management, configuration control, provisioning, and quality control functions during the Organic depot repair period of performance.

Sniper XR ATP CLIN-SOW Requirements Matrix

This matrix is provided to give each ordering customer an immediate reference to the relevant and implemented paragraphs of the SOW applicable to each CLIN when ordered.

SOW	CLIN	WBS #	WBS Title	IMP	CDRL
1.1.1, 1.2.1.1, 1.2.4, 2.2.2, 2.1.2	CLIN 0001	1.1.1	ATP Production Prime Mission Equipment		
			Pods	4-02-02, 5-01-01, 6-01-01	A009, B001, B002, B003, B004, B011,
1.1.2	CLIN 0005	1.1.2	Pylons	4-02-03, 5-01-02, 6-01-02	
1.1.3	CLIN 0105	1.1.3	Pod Refurbishment - FY 03		
		1.2	System Engr / Pgm Mgmt		
1.2.1, 1.2.1.1, 1.2.1.2	CLIN 0001, 0015	1.2.1	Integrated Prod & Process Dev & Risk Management	1-00-00, 1-01-00, 1-01-01, 1-01-02, 1-01-03, 1-01-04, 1-01-05, 1-01-06, 1-01-07, 1-01-10, 1-02-00, 1-02-03, 1-02-04, 1-02-05, 1-03-00, 1-03-07, 1-03-08, 1-03-09, 1-04-00, 1-04-07	A011, A023
1.2.1.1	CLIN 0124		SDD		D001
1.2.2	CLIN 0001	1.2.2	Configuration / Data Management and Data	1-01-08, 1-02-06, 1-03-10	A005, A001, A002, A003
1.2.1.1, 1.2.3	CLIN 0001	1.2.3	Product Improvement Management	1-02-07	

Sniper XR ATP CLIN-SOW Requirements Matrix

SOW	CLIN	WBS #	WBS Title	IMP	CDRL
1.2.1.1.1, 1.2.4	CLIN 0001	1.2.4	Conformance Verification	1-03-11	
1.2.5	CLIN 0102	1.2.5	Associate Contractor Agreement	1-01-09, 1-04-01, 1-04-03	A004
		1.3	F-16 Bk 30 Aircraft Integration & Test		
1.3, 1.3.1	CLIN 0111	1.3.1	ATP Integration & Test	2-01-00, 2-01-01, 2-01-02, 2-01-03, 2-01-04, 2-01-05	
	CLIN 0113	1.3.1.1	ATP Integration & Test		
1.3.2	CLIN 0111, 0110	1.3.2	Avionics Software Integration Facility Test Support	2-02-00, 2-02-01, 2-02-02, 2-02-03, 2-02-04	
	CLIN 0113	1.3.2.1	Avionics Software Integration Facility Test Support - FY 02		
1.3.3	CLIN 0111	1.3.3	SEEK Eagle Test Support	1-04-06, 2-03-00, 2-03-01, 2-03-02, 2-03-03, 2-03-04	
1.3.4	CLIN 0111	1.3.4	Qualification Test & Evaluation Mgmt / Support	2-00-00, 2-04-00, 2-04-03, 2-03-04, 2-03-05, 2-03-06, 3-01-00, 3-01-01	
	CLIN 0113	1.3.4.1	Qualification Test & Evaluation Mgmt / Support - FY 02		
1.3.5	CLIN 0112	1.3.5	Qualification Operational Test & Evaluation Support	3-00-00, 3-02-00, 3-02-01, 3-02-02, 3-02-03, 3-02-04, 3-03-00	
	CLIN 0114	1.3.5.1	Qualification Operational Test & Eval. Mgmt / Support - FY 02		
		1.4	F-16, Block 40/50 Series Aircraft Integration & Test		

Sniper XR ATP CLIN-SOW Requirements Matrix

SOW	CLIN	WBS #	WBS Title	IMP	CDRL
1.4.14.1	CLIN 0116	1.4.1	ATP Integration & Test		
	CLIN 0118	1.4.1.1	ATP Integration & Test		
1.4.2	CLIN 0116	1.4.2	Software Integration Laboratory Test Support (40/50)	4-01-00, 4-01-01, 4-01-02, 4-01-03, 4-01-04	
	CLIN 0118	1.4.2.1	Software Integration Laboratory Test Support (40/50) - FY 03		
	CLIN 0120	1.4.2.2	Software Integration Laboratory Test Support (40/50) - FY 03		
1.4.3	CLIN 0116	1.4.3	SEEK Eagle Validation / Verification	4-02-00, 4-02-00, 4-02-01, 4-02-04, 4-02-05, 4-02-06, 4-02-07	
1.4.4	CLIN 0116	1.4.4	Qualification Test & Evaluation Mgmt / Support	4-02-01, 4-03-01, 4-03-02, 4-03-03, 4-03-04, 4-03-05	
	CLIN 0118	1.4.4.1	Qualification Test & Evaluation Mgmt / Support - FY 03		
	CLIN 0120	1.4.4.2	Qualification Test & Evaluation Mgmt / Support - FY 03		
1.4.5	CLIN 0117	1.4.5	Qualification Operational Test & Evaluation Support	4-00-00, 4-03-00, 4-03-05, 4-03-06, 4-03-07, 4-03-08, 4-03-09, 4-03-10, 4-04-00	
	CLIN 0119	1.4.5.1	Qualification Operational Test & Eval Mgmt / Support - FY 03		
	CLIN 0121	1.4.5.2	Qualification Operational Test & Eval Mgmt / Support - FY 03		
1.5		1.5	F-15E Aircraft Reqrmts, Integration and Test Planning		
		1.6	F-15E Aircraft Integration and Test		
1.5.1.6	CLIN 0001	1.5.1.6	ATP Integration and Test Planning		
1.6.1	CLIN 0122	1.6.1	ATP Integration and Test		
1.6.2	CLIN 0122	1.6.2	Software Integration Lab Test Support		
1.6.3	CLIN 0122	1.6.3	Software Integration Lab Test Support (Seek Eagle Test Support) Aircraft Certification		

Sniper XR ATP CLIN-SOW Requirements Matrix

SOW	CLIN	WBS #	WBS Title	IMP	CDRL
1.6.4	CLIN 0122	1.6.4	Qualification Test & Evaluation Mgmt / Support		
1.6.5	CLIN 0123	1.6.5	Qualification Operational Test & Evaluation Support		
		1.7	Support Equipment		A022
1.7, 1.7.1	CLIN 0011, 0018, 0019, 0020	1.7.1	Storage Stands	5-01-05, 6-01-05	A009, A012
1.7.2	CLIN 0011, 0019	1.7.2	Miscellaneous		
		1.8	Shipping Containers		A012, A013, A014, A015, A016
1.8, 1.8.1	CLIN 0004	1.8.1	Pod Containers	1-04-04, 5-01-04, 6-01-04	
1.8.2	CLIN 0007	1.8.2	LRU containers	1-04-05	
1.9		1.9	Technical Data		
				1-01-11, 1-02-01, 1-02-02, 1-03-01, 1-03-02, 1-03-03, 1-03-04, 1-03-05, 1-03-05, 1-03-05, 1-04-02, 1-04-08, 2-04-01, 2-04-02, 5-01-06, 5-01-06, 5-02-01, 5-02-05, 5-02-05, 6-01-06	
1.2.2	CLIN 0100	1.9.1	Data from CDRL "A" Series		
1.2.2	CLIN 0101	1.9.2	Data from CDRL "B" Series		
1.2.2	CLIN 0104		Data from CDRL "C" Series		
1.2.2	CLIN 0125		Data from CDRL "D" Series		
1.10		1.10	Intern Contractor Support (ICS)		
1.10.1	CLIN 0008	1.10.1	TSSR	5-02-09, 6-02-06	

Sniper XR ATP CLIN-SOW Requirements Matrix

SOW	CLIN	WBS #	WBS Title	IMP	CDRL
1.10.2, 2.2.1	CLIN 0008	1.10.2	Maintenance	3-01-02, 3-02-05, 4-03-11	
2.0		2.0	Sustainment Support (O-Level)		B007
2.1		2.1	USAF (Active Duty)		
2.1.1		2.1.1	Maintenance		A019
2.1.2	CLIN 0012, 0013	2.1.2	Sustaining Engineering	5-00-00, 5-01-00, 5-02-00, 5-02-02, 5-02-03, 5-02-04, 5-03-00, 5-03-01, 5-03-02, 5-03-03	
2.1.3	CLIN 0102	2.1.3	Data		A017, A018, C001
2.1.3	CLIN 0103	2.1.3	Data		
2.1.4	CLIN 0012, 0013, 0108, 0109, 0107	2.1.4	Training	5-02-07, 5-02-08	A020, A021
2.1.5	CLIN 0006	2.1.5	Shares	5-01-03	
2.2		2.2	ANG		
2.2.1		2.2.1	Maintenance		A019
2.2.2	CLIN 0012	2.2.2	Sustaining Engineering	6-02-00, 6-02-01, 6-02-02, 6-02-02, 6-03-00, 6-03-01, 6-03-02, 6-03-03	
2.2.3	CLIN 0102	2.2.3	Data		A017, A018,
2.2.3	CLIN 0103	2.2.3	Data		C001
2.2.4	CLIN 0012, 0108, 0109, 0107	2.2.4	Training	6-02-04, 6-02-05	A020, A021

Sniper XR ATP CLIN-SOW Requirements Matrix

SOW	CLIN	WBS #	WBS Title	IMP	CDRL
2.2.5	CLIN 0006	2.2.5	Spares	6-01-03	
		3.0	Sustainment Support (Long Term)		
3.0.3.1		3.1	CLS Support		
3.1.1	CLIN 0009	3.1.1	TSSR - Summary		
	CLIN 0009	3.1.1.1	TSSR		
	CLIN 0009	3.1.1.2	End Item Repair		
3.1.2	CLIN 0010	3.1.2	Warranty		
3.1.3	CLIN 0009	3.1.3	Maintenance		
3.2		3.2	Organic Repair Stand-up		A006, A007, B006, B007
3.2.1	CLIN 0017	3.2.1	Depot Tech Orders		B010, B011
3.2.2	CLIN 0017	3.2.2	Training		B009
3.2.3	CLIN 0017	3.2.3	Test Requirement Documents		B005
3.2.4	CLIN 0017	3.2.4	Unique Support Equipment		B008
	CLIN 0016	3.2.5	TSSR		

CONTRACT

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
J - FFP
PAGE OF PAGES
1 of 6

2. AMENDMENT/MODIFICATION NO.
P00002
3. EFFECTIVE DATE
18 DEC 2001
4. REQUISITION/PURCHASE REQ. NO.
5. PROJECT NO. (if applicable)

6. ISSUED BY ASC/FBLK CODE
FA8607
7. ADMINISTERED BY (if other than Item 6) CODE
S1005A

USAF/AFMC
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DCM LOCKHEED MARTIN ORLANDO
5600 SAND LAKE RD
MP 49
ORLANDO FL 32819-8907

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
LOCKHEED MARTIN CORPORATION
MISSILES & FIRE CONTROL - ORLANDO
5600 SAND LAKE ROAD
ORLANDO FL 32819-8907

(X) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO.
F33657-01-D-2029

10B. DATED (SEE ITEM 13)
20 AUG 2001

MAILING DATE
DEC 18 2001

CODE 04939 FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

13. THIS ITEM APPLIES ONLY TO MODIFICATION OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

- (X) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: () THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. ITEM 10A.
- B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
- X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
Mutual agreement of both Parties, FAR 43.103(a)(3)
- D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
SUBJECT: Administrative Revisions to Sections H and J
CHANGE IN PRICE: None

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)
16A. NAME AND TITLE OF SIGNER (Type or print)
KENNETH J. LANG
Contracting Officer

15B. CONTRACTOR/OFFEROR
Mitchell A. Rushing
(Signature of person authorized to sign)
15C. DATE SIGNED
30 Nov 2001
16B. UNITED STATES OF AMERICA
BY *Kenneth J. Lang*
(Signature of Contracting Officer)
16C. DATE SIGNED
10 DEC 2001

Contract F33657-01-D-2029 is hereby modified by mutual agreement of both parties in accordance with FAR 43.103(a)(3) as follows:

1. Section H - Special Contract Requirements

(a) H-001 WARRANTY (JUN 2001), paragraph 1c. - Delete: "...and provide GFE Shipping Containers in accordance with Section J, Attachment 7".

(b) H045 ORDERING PROVISION (Dec 2000), paragraph 5f. - Replace existing paragraph with the following:

"f. ATP Interim Contractor Support (ICS) - Item 0008. First order would be placed no earlier than FY02. ICS period of performance will be in one (1) year increments, except for the first increment of ICS which would run from the date the first ATPs are delivered to the end of that calendar year. (Based on Contractor assessment of the ICS needed to support the number of pods and other equipment in the inventory during the applicable period of performance.) Orders for ICS will be placed at the beginning of each Fiscal Year for the ensuing calendar year based on the number of pods in inventory at the beginning of the calendar year plus the number of pods expected to enter into inventory during that year. The prices for ICS based on the total number of pods in inventory during a given year are set forth in Section J Attachment 8, Table 8. For the pods in inventory at the beginning of the year, the full unit price will apply. For the pods scheduled to enter into inventory during the year, the price will be calculated on a pro-rata basis. The ICS order value will be calculated as follows:

$$(U \times P) + P/12(M) = O$$

O = Order value

U = Number of units/pods in inventory at the beginning of the calendar year

P = Unit price from Table 8

12 = 12 Months

M = Total number of ICS months for pods entering inventory during the calendar year, calculated as follows:

Schedule/Qty (q) of Pods Entering Inventory	x	Number of Applicable ICS Months	=	Total Number of ICS Months (m)
Jan q	x	11	=	m
Feb q	x	10	=	m
Mar q	x	9	=	m
Apr q	x	8	=	m
May q	x	7	=	m
Jun q	x	6	=	m
Jul q	x	5	=	m
Aug q	x	4	=	m
Sep q	x	3	=	m
Oct q	x	2	=	m
Nov q	x	1	=	m
Dec q	x	0	=	+ m
Total Number of Maintenance Months for Year				M

At the end of each year, the ICS order must be reconciled to reflect actual versus scheduled delivery of the pods into inventory during that year. Depending on the outcome of the reconciliation, a credit or debit, as appropriate, shall be applied to the following year's order for ICS. The government shall receive

a credit for pods that entered into inventory later than scheduled, and conversely, the government shall receive a debit for pods that entered earlier than scheduled. Such credit or debit will include any effect resulting from the final (actual) quantity range being different from the scheduled quantity range on which the order was based. Should the government decide not to place an ICS order for the following year, another means will be established to handle an outstanding credit or debit, e.g. amend existing order, apply to another order under this Contract, etc."

(c) H045 ORDERING PROVISION (Dec 2000), paragraph 5g. - Replace existing paragraph with the following:

"g. ATP Long Range Support - Contractor Logistics Support (CLS) - Item 0009. Would be procured once SORAP decision is made, and only if the ATP CLS approach is selected. First order would be placed no earlier than FY03. CLS period of performance will be in one (1) year increments, running the length of the calendar year. Orders for CLS will be placed at the beginning of each Fiscal Year for the ensuing calendar year based on the number of pods in inventory at the beginning of the calendar year plus the number of pods expected to enter into inventory during that year. The prices for CLS, based on the total number of pods in inventory during a given year, are set forth in Section J Attachment 8, Table 9. An order for CLS must be calculated in two parts to accommodate both the TSSR and Maintenance portions as follows:

TSSR - The corresponding TSSR price in Table 9 will apply based on the number of pods in inventory at the beginning of the calendar year plus the number of pods expected to enter into inventory during that year.

Maintenance - For the pods in inventory at the beginning of the year, the full unit price from Table 9 will apply. For the pods scheduled to enter into inventory during the year, the price will be calculated on a pro-rata basis. The maintenance portion of the CLS order will be calculated as follows:

$$(U \times P) + P/12(M) = O$$

O = Order value

U = Number of units/pods in inventory at the beginning of the calendar year

P = Unit price from Table 9

12 = 12 Months

M = Total number of maintenance months for pods entering inventory during the calendar year, calculated as follows:

Schedule/Qty (q) of Pods Entering Inventory	x	Number of Applicable Maint. Months	=	Total Number of Maint. Months (m)
Jan q	x	11	=	m
Feb q	x	10	=	m
Mar q	x	9	=	m
Apr q	x	8	=	m
May q	x	7	=	m
Jun q	x	6	=	m
Jul q	x	5	=	m
Aug q	x	4	=	m
Sep q	x	3	=	m
Oct q	x	2	=	m
Nov q	x	1	=	m
Dec q	x	0	=	+ m
Total Number of Maintenance Months for Year				<u> </u> M

At the end of each year, the CLS order must be reconciled to reflect actual versus scheduled delivery of the pods into inventory during that year. Depending on the outcome of the reconciliation, a credit or debit, as appropriate, shall be applied to the following year's order for CLS. The government shall receive a credit for pods that entered into inventory later than scheduled, and conversely, the government shall receive a debit for pods that entered earlier than scheduled. Such credit or debit will include any effect resulting from the final (actual) quantity range being different from the scheduled quantity range on which the order was based. Should the government decide not to place a CLS order for the following year, another means will be established to handle an outstanding credit or debit, e.g. amend existing order, apply to another order under this Contract, etc.

(d) H045 ORDERING PROVISION (Dec 2000), paragraph 5h. - Replace existing paragraph with the following:

"h. Warranty - Item 0010 The Contractor's warranty bounded by the reliability and availability requirements is set forth in Clause H-001. The price of the warranty is set forth in Section J, Attachment 8, Table 10. Warranty for individual targeting pods is ordered concurrent with each respective pod ordered under Item 0001 in Section B of this contract and further assumes concurrent ordering of corresponding portions of Items 0006 (Initial LRU Spares) and 0007 (Initial LRU Shipping Containers)."

(e) H045 ORDERING PROVISION (Dec 2000), paragraph 6. - Replace existing paragraph with:

"6. Deliveries: Delivery schedule for items being ordered under this contract is as follows (Note: MARO = Months After Receipt of Order). Prior to the actual issuance of orders under this contract, the Contractor will be requested to provide the Government with specific written delivery dates/periods of performance for the items being procured under the specific order, consistent with the delivery/performance requirements set forth below. Note: Any deviations authorized by the Government to requirements stipulated below on individual delivery orders do not constitute waiver of the Government's rights under this clause for subsequent delivery orders.

a. Advanced Targeting Pods:

Capital assets on site to Support SIL and Flight Testing: 1 POD 10/01/01; 1 POD 11/30/01.

Initial Delivery(Delivery Order 0001): 2 pods, 9/24/02

Initial Deliveries for Subsequent Delivery Orders: 13 MARO

Subsequent Deliveries: 2 pods per month until order completed (except will deliver qty. 3 in Dec 02).

The Contractor shall plan pod deliveries concurrent with any other orders already received and in-process, with the maximum rate of pod deliveries per month being 8.

b. Pod Refurbishment:

ATPs delivered to support testing, will be refurbished to production configuration and delivered within 3 months after completion of the testing they are supporting. These refurbished pods will then count towards delivery of production quantities of pods ordered under the Advanced Targeting Pod Item.

c. ATP Shipping Containers:

Initial Delivery: AS REQ to support pod deliveries

Subsequent Deliveries: AS REQ to support pod delivery/site activation.

The Contractor shall plan container deliveries concurrent with any other orders already received and in-process, with the maximum rate of container deliveries per month being 4.

d. LRU Shipping Containers:

Initial Delivery: AS REQ to support spares delivery

Subsequent Deliveries: AS REQ to support spares delivery/site activation.

The Contractor shall plan container deliveries concurrent with any other orders already received and in-process, with the maximum rate of container deliveries per month being AS REQ to support LRU Spares delivery.

e. ATP Pylons:
Initial Delivery per delivery order : 2 pylons, 13 MARO
Subsequent Deliveries: 2 pylons per month until order completed.
The Contractor shall plan pylon deliveries concurrent with any other orders already received and in-process, with the maximum rate of pylon deliveries per month being 10.

f. Support Equipment:
Order Lot Delivery to Designated Site: 14 MARO.

g. LRU Spares:
Order Lot Delivery: 16 MARO.

h. Site Activation:
Site Activation Support for Each Site: Shall begin upon issuance of each order, and shall be completed 4 months after initial ATPs are delivered to the site.

i. ATP ICS:
Performance shall begin upon delivery of first ATPs (first order of ATP ICS) and run to the end of that calendar year. Subsequent ICS orders shall run from January 1 through December 31 of the calendar year designated in the order.

j. ATP Long Range Support - CLS:
Performance shall run from 1 January through 31 December of the calendar year designated in the order.

k. Warranty:
Shall begin with the delivery of each item covered by the warranty, and be in effect throughout the contract period of performance in accordance with Clause H-001 WARRANTY.

l. Training Course - Aircrew and Maintenance:
Initial Training Course: Delivered 4 MARO (for BLK 30 QT&E).
Subsequent Updates: AS REQ.

m. Source Data For TO Generation:
Delivered in accordance with agreement with F-16 Contractor(s), to be completed no later than 10 MARO.

n. QT&E & QOT&E Support: Periods of Performance:
Initial Order: Order issuance through 31 December of CY order is issued.
Subsequent Orders: 1 January through 31 December of CY designated in the order.

o. F-15 QT&E and QOT&E Support:
Period of Performance: Issuance of Order through 12 MARO.

p. Data:
Delivered in accordance with the applicable "A" Series CDRL data item.

q. Sustaining Engineering - Over and Above
Delivery: Beginning 1 MARO"

2. Section J - Attachments is amended to modify the following:

(a) LIST OF ATTACHMENTS, page 42 of 42 - Attachments 1, 8, 10, and 11 dates changed to 6 NOV 2001. Attachment 3 date changed to 8 NOV 2001. Exhibits A and B dates are changed to 20 SEP 2001 and 31 OCT 2001 respectively.

(b) EXHIBIT A - Distribution addressees revised. CDRLS A006 and A007 modified to extend submittal dates. Revised Exhibit A is attached hereto.

(c) EXHIBIT B - Distribution addressees revised. Revised Exhibit B is attached hereto.

(d) ATTACHMENT 1, pages i and ii - Replaced with new Table of Contents. Revised Statement of Work is dated 6 NOV 2001 and is attached hereto.

(e) ATTACHMENT 3 - Contract Security Classification Specification DD Form 254, Rev. 1 replaced with Rev. 2, dated 8 November 2001, and attached hereto.

(f) ATTACHMENT 8, TABLES 1, 6, 7, AND 10 - The following paragraph is inserted below each table:

"NOTE: As Delivery Orders are issued for additional quantities of Targeting Pods (ITEM 0001), the Government will determine whether warranty coverage is also required. If so, the Government must concurrently exercise the corresponding portions of Items 0006 - INITIAL LRU SPARES, 0007 - INITIAL LRU SHIPPING CONTAINERS, and 0010 - WARRANTY."

(g) ATTACHMENT 8, TABLE 5 - Pylon pricing table is replaced with the following :

CUMULATIVE NUMBER OF PYLONS	FY 01	FY 02	FY 03	FY 04	FY 05	FY 06	FY 07
1-30	\$	\$	\$	X	X	X	X
31-90	X	\$	\$	\$	\$	\$	\$
91-206	X	X	\$	\$	\$	\$	\$

Attachment 8 is attached hereto in it's entirety.

(h) ATTACHMENT 10 and 11 - Existing proprietary rights assertions replaced with signed, updated versions to include BAE assertions.

3. All other terms and conditions remain unchanged as a result of this modification.

Nonrecurring	Organic Cost	Sunk Cost	Contract Cost	Notes
Facilities	\$ 0	\$ 0	\$ 0	0
Supt Equipment	\$ 0	\$ 0	\$ 0	0 Summary line
LRU TPS	\$ 0	\$ 0	\$ 0	0
SRU TPS	\$ 0	\$ 0	\$ 0	0
Other SE	\$ 0	\$ 0	\$ 0	0
Training	\$ 0	\$ 0	\$ 0	0
Tech Data Development	\$ 0	\$ 0	\$ 0	0
Procure LRU's (Test Assets)	\$ 0	\$ 0	\$ 0	0
Initial Spares	\$ 0	\$ 0	\$ 0	0
Other costs	\$ 0	\$ 0	\$ 0	0
Total Initial Investment	\$ 0	\$ 0	\$ 0	0

Recurring	Organic Cost	Contract Cost
Facilities Maintenance	\$ 0	\$ 0
Supt Equipment Maintenance	\$ 0	\$ 0 Default formula
Depot Repair Cost	\$ 0	\$ 0 throughput value
Software Support	\$ 0	\$ 0 Default formula
Tech Data Maintenance	\$ 0	\$ 0 Default formula
Recurring Training	\$ 0	\$ 0 Default formula
Other Cost	\$ 0	\$ 0
Total Yearly Cost	\$ 0	\$ 0
Sustainment Cost	\$ 0	\$ 0

Methodology

Nonrecurring:

Facilities
 Support Equipment Equals (LRU TPS + SRU TPS + Other Supt Equipment)
 LRU TPS
 SRU TPS
 Other Supt Equipment
 Training
 Tech Data Development
 Procure LRU's
 Initial Spares
 Other Costs

Recurring:

Facilities Maintenance
 Supt Equipment Maint Estimated at 5% per year of cost of support equipment
 Depot Repair Cost Throughput from data sheet
 Software Support Estimated at 5% of SLOC per year * 1.1 man-hours per SLOC* \$101 per man-hour (FY98\$)
 Tech Data Maintenance Estimated at average number of data pages updated annually * \$716/pages (FY98\$)
 Recurring Training Estimated at 5% per year of cost of initial training
 Other Cost

Please provide any necessary data references and backup documentation. Significant variation in costs between organic and contract shall be fully explained.

1.1 NOTE: SOURCE FOR THE ABOVE TEMPLATE IS AIR FORCE SOURCE OF REPAIR ASSIGNMENT PROCESS (SORAP) GUIDE AFI 63-107

ATTACHMENT 3 DATED 3 MAY 2000.

ATCH TO CDRL SEQ. NO. A008 (PAGE 1 OF 2)

LMI SUMMARY WORKSHEET

DI-ALSS-81530

1 August 1997

1. **SUMMARY TITLE:** SUPPORT AND TEST EQUIPMENT

1.1 Summary Sub-title: SUPPORT EQUIPMENT RECOMMENDATION DATA (SERD)

2. **SPECIFIC INSTRUCTIONS:** Identify all equipment (mobile or fixed) required to support the operation and maintenance of an end article/system. SERD required for each item of equipment (both contractor furnished and government furnished) identified as a resolution to each functional requirement.

2.1 SERD shall provide:

2.1.1 Narrative descriptions of the SE requirement.

2.1.2 Administrative/identification data about the SE and the article(s) requiring support.

2.1.3 SE supersedure/deletion/distribution data.

2.1.4 Design data requirements.

2.1.5 Integrated Logistics Support (ILS) data requirements.

2.1.6 SE parametric and Unit Under Test (UUT) related information.

2.1.7 A sketch or line art drawing to clarify descriptive narrative of the SE item. All contractor furnished equipment (CFE)/nonstocklisted items will include a sketch.

2.2 Unless specified otherwise, SERD shall not be prepared for items or classes of equipment as follows:

2.2.1 Common nonpowered hand tools.

2.2.2 Housekeeping items

2.2.3 Office furniture and equipment

2.2.4 Common production tools and tooling such as lathes, drill presses, plating equipment, induction heaters, and powered hand tools

2.2.5 Facility installation equipment

2.2.6 Manufacturer's equipment such as items listed above and items which are used only by the contractor.

3. **DATA IN LMI SPECIFICATION:** LMI Data Product Worksheet for SE attached.

4. **DATA NOT IN LMI SPECIFICATION:** To be discussed at Provisioning Guidance Conference.

5. **SUMMARY LAYOUT:** Contractor Provided.

ATCH TO CDRL SEQ. NO. A008 (PAGE 2 OF 2)

LMI DATA PRODUCT WORKSHEET
DI-ALSS-81530/T FOR SUPPORT EQUIPMENT/STANDARD/MODIFIED HANDTOOLS

1	DATA PRODUCT TITLE	HANDTOOL	SERD	DPD#
2	ALLOWANCE ITEM CODE		X	0010
3	ALLOWANCE ITEM QUANTITY		X	0020
4	AUTOMATIC DATA PROCESSING EQUIPMENT CODE (ADPE)		X	0040
5	BASIS OF ISSUE (BOI)		X	0050
6	CALIBRATION AND MEASUREMENT REQUIREMENTS SUMMARY RECOMMENDED		X	0060
7	CALIBRATION INTERVAL		X	0070
8	CALIBRATION ITEM		X	0080
9	CALIBRATION PROCEDURE		X	0090
10	CALIBRATION REQUIRED		X	0100
11	CALIBRATION TIME		X	0110
12	COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE	X	X	0140
13	CONTRACTOR FURNISHED EQUIPMENT/GOVERNMENT FURNISHED EQUIPMENT		X	0150
14	CONTRACTOR RECOMMENDED		X	0160
15	CONTRACTOR TECHNICAL INFORMATION CODE (CTIC)	X	X	0170
16	DEMILITARIZATION CODE (DMIL)		X	0230
17	DESCRIPTION/FUNCTION AND CHARACTERISTICS OF SUPPORT EQUIPMENT	X	X	0240
18	DESIGN DATA CATEGORY CODE		X	0250
19	DESIGN DATA PRICE		X	0260
20	END ITEM ACRONYM CODE (EIAC)		X	0270
21	ESTIMATED PRICE	X	X	0290
22	FUNCTIONAL ANALYSIS		X	0320
23	HARDWARE DEVELOPMENT PRICE		X	0350
24	INPUT POWER SOURCE		X	0390
25	INSTALLATION FACTORS OR OTHER FACILITIES		X	0400
26	INTEGRATED LOGISTIC SUPPORT (ILS) PRICE		X	0410
27	ILS REQUIREMENTS CATEGORY CODE		X	0420
28	INTERCHANGE CODE (IC)		X	0430
29	ITEM CATEGORY CODE (ICC)		X	0460
30	ITEM DESIGNATOR CODE	X	X	0470
31	ITEM NAME	X	X	0480
32	LINE REPLACEABLE UNIT	X		0520
33	MEAN TIME BETWEEN FAILURES (MTBF)		X	0630
34	MEAN TIME TO REPAIR (MTTR)		X	0640
35	MEASUREMENT BASE MTBF		X	0650
36	MOBILE FACILITY CODE		X	0670
37	NATIONAL STOCK NUMBER AND RELATED DATA	X	X	0680
38	PARAMETERS		X	0770
39	PASS THROUGH PRICE		X	0780
40	PRECIOUS METAL INDICATOR CODE (PMIC)		X	0790
41	PREPARING ACTIVITY		X	0800
42	PRODUCTION LEAD TIME (PLT)	X	X	0830
43	QUANTITY PER TEST		X	0970
44	RECURRING COST		X	1020
45	REFERENCE NUMBER	X	X	1050
46	REFERENCE NUMBER CATEGORY CODE (RNCC)		X	1060
47	REFERENCE NUMBER VARIATION CODE (RNVC)		X	1070
48	REVISION		X	1120
49	SERVICE DESIGNATOR CODE (SER)		X	1180
50	SKILL SPECIALITY CODE FOR SE OPERATOR		X	1210
51	SOURCE MAINTENANCE AND RECOVERABILITY CODE - SE	X	X	1220
52	SE DIMENSIONS - OPERATING/SHIPPING/STORAGE		X	1300
53	SE EXPLANATIONS		X	1310
54	SE RECOMMENDATION DATA NUMBER (SERIAL NUMBER)		X	1320
55	SE RECOMMENDATION DATA NUMBER REV/SUPERSEDE REMARKS		X	1330
56	SE WEIGHT - OPERATING/SHIPPING/STORAGE		X	1340
57	TEST ACCURACY RATIO (TAR)		X	1380
58	TOTAL QUANTITY RECOMMENDED	X		1400
59	TYPE EQUIPMENT CODE		X	1410
60	UNIT OF ISSUE/UNIT OF MEASURE PRICE (UI/UM) PRICE		X	1500

CONTRACT DATA REQUIREMENTS LIST

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 440 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 D.C. 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY: TDP TM OTHER			
D. SYSTEM/ITEM ATP		E. CONTRACT/PR NO. F33657-01-D-2029		F. CONTRACTOR LOCKHEED MARTIN			
1. DATA ITEM NO. A010	2. TITLE OF DATA ITEM DATA ACCESSION LIST (DAL)		3. SUBTITLE				
4. AUTHORITY (Data Acquisition Document No.) DI-MGMT-81453		5. CONTRACT REFERENCE SOW PARA. 1.2.2		6. REQUIRING OFFICE ASC/FBL CM/DM			
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY QRTL	12. DATE OF FIRST SUBMISSION BLOCK 16	14. DISTRIBUTION			
8. APP CODE		11. AS OF DATE BLOCK 16	13. DATE SUBSEQUENT SUBMISS BLOCK 16	a. ADDRESSEE		b. COPIES	
16. REMARKS BLOCK 11, 12: FIRST SUBMISSION DUE 60 AFTER CONTRACT AWARD. BLOCK 13: END OF CALENDAR QUARTER. CONTRACTOR SHALL SUBMIT DAL IN ELECTRONIC FORMAT.				ASC/FBL-1	0	1	0
				ASC/FBLE CD	0	1	0
				DCMC	0	1	0
				TOTAL	0	2	0
G. PREPARED BY TERRY LAMBERT ASC/FBLE		H. DATE 9/20/2001		I. APPROVED BY SHIRLEY MORRISON ASC/FBL, PROGRAM MANAGER		J. DATE 9/20/2001	

CONTRACT DATA REQUIREMENTS LIST

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A. CONTRACT LINE ITEM NO.				B. EXHIBIT		C. CATEGORY:									
						TDP		TM		OTHER					
D. SYSTEM/ITEM ATP				E. CONTRACT/PR NO. F33657-01-D-2029				F. CONTRACTOR LOCKHEED MARTIN							
1. DATA ITEM NO. A011		2. TITLE OF DATA ITEM INTEGRATED MASTER SCHEDULE				3. SUBTITLE									
4. AUTHORITY (Data Acquisition Document No.) DI-MISC-81183A/T				5. CONTRACT REFERENCE SOW PARA. 1.2.1				6. REQUIRING OFFICE ASC/FBL P/M							
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED		10. FREQUENCY QRTLY		12. DATE OF FIRST SUBMISSION BLOCK 16		14. DISTRIBUTION							
								b. COPIES							
8. APP CODE A		D		11. AS OF DATE BLOCK 16		13. DATE SUBSEQUENT SUBMISS BLOCK 16		a. ADDRESSEE		Final					
16. REMARKS BLOCK 4: DI-MISC-81183A, BLOCK 10 IS TAILORED AS FOLLOWS: A. DELETE PARAGRAPH 10.2.4, 10.5, AND 10.5.1 IN THEIR ENTIRETY. B. CHANGE PARAGRAPH 10.2 TO READ: "CONTENT. THE SCHEDULE SHALL CONTAIN ALL OF THE CONTRACT IMP EVENTS AND MILESTONES, ACCOMPLISHMENTS, CRITERIA AND ACTIVITIES FROM CONTRACT AWARD TO THE COMPLETION OF THE CONTRACT. THE SCHEDULE SHALL BE AN INTEGRATED, LOGICAL NETWORK-BASED SCHEDULE THAT CORRELATES TO THE PROGRAM WBS. IT SHALL HAVE A NUMBERING SYSTEM THAT PROVIDES TRACEABILITY THROUGH THE IMP AND STATEMENT OF WORK (SOW). IT SHALL CONTAIN PROGRAM EVENTS AND MILESTONES AND DEFINITIONS, SUMMARY, INTERMEDIATE AND PERIODIC ANALYSIS OF PROGRESS TO DATE. DESCRIPTION OF KEY EVENTS ARE AS FOLLOWS:" BLOCK 12: FIRST SUBMISSION IS DUE 60 DAYS AFTER CONTRACT AWARD. CONTRACTOR SHALL SUBMIT IMS IN ELECTRONIC FORMAT.								ASC/FBL-1		0		1		0	
								ASC/FBLK		0		1		0	
								ASC/PXT		0		1		0	
								DEMO		0		1		0	
								WR/ALOKTSA		0		1		0	
								ACCDRSA		0		1		0	
								ASC/PLX		0		3		0	
								ASC/PXA		0		1		0	
TOTAL								0		10		0			
G. PREPARED BY TERRY LAMBERT ASC/FBLE				H. DATE 9/20/2001		I. APPROVED BY SHIRLEY MORRISON ASC/FBL PROGRAM MANAGER				J. DATE 9/20/2001					

CONTRACT DATA REQUIREMENTS LIST

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OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP TM OTHER
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D. SYSTEM/ITEM ATP	E. CONTRACT/PR NO. F33657-01-D-2029	F. CONTRACTOR LOCKHEED MARTIN
-----------------------	--	----------------------------------

1. DATA ITEM NO. A012	2. TITLE OF DATA ITEM PRODUCT DRAWINGS AND ASSOCIATED LISTS	3. SUBTITLE
--------------------------	--	-------------

4. AUTHORITY (Data Acquisition Document No.) DI-DRPR-81000/AT	5. CONTRACT REFERENCE SOW Para. 1.7, 1.8	6. REQUIRING OFFICE ASC/FBL CM/DM & LOG.
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7. DD 250 REQ SD	9. DIST STATEMENT REQUIRED D	10. FREQUENCY ONE/R	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION		
8. APP CODE A		11. AS OF DATE	13. DATE SUBSEQUENT SUBMISS	a. ADDRESSEE	b. COPIES	
					Final	
					Draft	Repro

16. REMARKS

NOTE: SEE CONTINUATION SHEETS.

BLOCK 14:

Support Equipment and Shipping container Drawings:

WR-ALC/TILCC
420 RICHARD RAY BLVD
SUITE 100
ROBINS AFB, GA
31098-1640

ASC/FBL-1
2725 C STREET
SUITE 210
WPAPB, OH
45433-7424

Shipping Containers Only:

AFMC
LSO/LOP
5215 THURLOW ST
WPAPB, OH
45433-5540

WR-ALC/LGMP
375 PERRY ST
ROBINS AFB, GA
31098-1863

	TOTAL	4	0	2
--	-------	---	---	---

G. PREPARED BY TERRY LAMBERT ASC/FBL	H. DATE 9/20/2001	I. APPROVED BY SHIRLEY MORRISON ASC/FBL, PROGRAM MANAGER	J. DATE 9/20/2001
--	----------------------	--	----------------------

ATTACHMENT TO CDRL SEQ.NO. A012

CONTINUATION OF DD FORM 1423 (DI-DRPR-81000A/T)**BLOCK 3: Organizational Level Support Equipment****BLOCK 4:**

DI-DRPR-81000A is tailored as follows:

- a. Paragraph 7.1, delete in its entirety.
- b. Paragraph 10.1, delete in its entirety and replace with "10.1 Reference Documents. The applicable documents apply as cited in the DD Form 1423 and continuation sheets."
- c. Paragraph 10.2, delete "Product drawings and associated lists shall meet the requirements of MIL-DTL-31000A".
- d. Delete Paragraph 10.3 in its entirety and replace with "10.3 Drawing Forms. The contractor shall utilize their own forms for Product Drawings and Associated Lists, which meet the requirements of ANSI Y14.1. (The government does not furnish forms for drawing formats)"
- e. Paragraph 10.4, delete "Product Drawings and Associated Lists shall conform to the requirements of ASME Y14.100M, ASME Y14.34M and, where DoD peculiar requirements must be met, MIL-STD-100" and replace with "Product Drawings and Associated Lists shall conform to the requirements of MIL-STD-100F, ASME Y14.24, ASME Y14.35M, ASME Y14.34M and DD Form 1423."
- f. Paragraph 10.6, delete "Selection Work Sheet incorporated in the contract or purchase order." and replace with "DD Form 1423."
- g. Paragraph 10.7, delete "The Selection Work Sheet incorporated in the contract or purchase order will specify whether the contractor or the Government is responsible for selecting the types of drawings and lists." and replace with "The contractor is responsible for selecting the types of drawings and lists."

BLOCK 9:

DISTRIBUTION STATEMENT. Distribution statements shall be in accordance with DoD Directive 5230.24 and included on the first sheet of each drawing near the title block, and shall be as follows:

"DISTRIBUTION STATEMENT D. Distribution authorized to the DoD and DoD contractors only; Critical Technology; 13 October 2000. Other requests shall be referred to WR-ALC/LYTSA."

Note: Certain types of technical data preclude placing the entire notice on the document. To accommodate this problem an abbreviated version is authorized as follows:

"Statement D, DoD and Contractors, WR-ALC/LYTSA"

EXPORT CONTROL NOTICE. The Export Control Notice shall be in accordance with DoD Directive 5230.24.

DESTRUCTION NOTICE. Mark documents with one of the following:

a. For unclassified limited documents: "DESTRUCTION NOTICE. Destroy by any method that will prevent disclosure of contents or reconstruction of the document."

b. For classified documents: "DESTRUCTION NOTICE. Follow the procedures in DoD 5220.22-M, *Industrial Security Manual*, section 11-19, or DoD 5200.1R, *Information Security Program Regulation*, chapter IX."

BLOCK 10: Revisions/changes to the final delivered data shall be furnished quarterly, commencing the first quarter after destination acceptance of the final reproducible data and continue until the contract is closed. Quarterly updates shall include an updated IDL, reference A.F. Drawing 9579776. Negative reports shall be submitted to ASC/FBLE.

BLOCK 11: 15 days before the end of the quarter.

BLOCK 12 AND 13:

1.1.1.1. All data submittals shall contain a shipping list prepared to include as a minimum, the document number, revision level, and number of sheets/pages. Part number, noun and drawing size is optional. The data delivered shall be in the same sequence as the shipping list. Unless prior approval is granted by ASC/FBLE, shipments of data must be for complete assemblies, i.e., LRU's and SRU's. Shipping list shall specify whether the shipment is updates, final or make-up.

2. When a specific revision of an engineering document has been previously furnished and approved by a USAF Engineering Data Repository in microfilm or digital form as a result of any government contract, and is required by this DD Form 1423, the same data shall not be resubmitted providing it meets the requirements in the DD Form 1423 for existing data. This data shall be identified as being previously submitted and approved and shall include the document number, revision, and contract number under which the data were submitted. The receiving USAF Engineering Data Repository shall be identified. This action is required concurrent with all submittals.

3. Within 90 days after successful government verification of the final Qualification Test and Evaluation (QT&E), an Indentured Data List (IDL) per Air Force (CAGE 98752) drawing 9579776 shall be delivered.

4. Within 90 days after successful government verification of the final QT&E, one set of paper copies of all "final reproducible data" (reference Block 14 of the DD 1423) shall be delivered. Submittal shall be accompanied by a letter of transmittal. Paper copy submittal will be reviewed within 120 days after receipt of data, unless additional time is required, at which time the contractor will be notified.

a. Submittal of programming files, per Air Force (CAGE 98752) drawing 9579776, Software and Firmware Data is not required for this (paper) submission.

b. Concurrent with the paper copies the contractor shall submit four (4) representative samples of each digital data format per Air Force (CAGE 98752) drawing 9579776, (Native, Neutral, HPGL, Drawing Metadata Spreadsheet, etc.).

5. Within 60 days after approval of paper copy, one set of all "final reproducible data" (reference Block 14 of the DD 1423) shall be delivered to ASC/FBLE, 420 Second Street Suite 100, Robins AFB GA 31098-1640. If changes have been required to the IDL since delivery in 3 above, resubmittal shall be required.

BLOCK 16:

1. Contractor Activity and Part Identification: The contractor shall use his own design activity identifier (CAGE) and shall assign his own design activity drawing numbers. This number shall be or shall include the drawing number on which the item is described. Where more than one item is described on a drawing, unique identification shall be provided by the addition of a suffixed dash number with the following limitations:

- a. The total length of the part number including dash numbers and spaces shall not exceed 32 characters.
- b. The dash number shall have the same characteristics as drawing numbers and may be composed of numbers, letters, or any combination thereof.
- c. Part numbers shall not include the drawing revision letter, the contractor CAGE, or the drawing format size letter.

2. Content, format, and media requirements for delivery of Digital Engineering Data: The contractor shall comply with Air Force (CAGE 98752) drawing 9579776.

3. Engineering Data: Product Drawings and Associated Lists shall document complete item design and manufacturing processes necessary to obtain and test hardware to the lowest component part that can be procured as a separate entity. This includes but is not limited to special tooling, interface hardware, special test equipment, and support equipment.

4. Relationship of Contractor with Subcontractors/Vendors: The contractor shall levy on subcontractors/vendors the same requirements for Technical Data Packages (TDPs) as are levied on them by this contract. This requirement shall be flowed down to the lowest tier subcontractor/vendor associated with the program.

5. Order of Preference:

Priority I

Documents mandated for use by law or regulation pursuant to law.

Priority II

Performance Oriented Documents: (a) Non-Government Standards; (b) Commercial Item Descriptions; (c) Federal Specifications and Standards; (d) Military Specifications and Standards.

Priority III

Design Based Documents: (a) Non-Government Standards; (b) Federal Specifications and Standards; (c) Military Specifications and Standards

Priority IV

Standards, specifications and related publications issued by the Government outside the military or federal series for the non-repetitive acquisition of developmental items.

Priority V

Company Specifications

6. ENGINEERING DRAWING PRACTICES: The contractor shall use the practices described in MIL-STD-100F. For clarification the documents listed in paragraph 2 of MIL-STD-100F shall be considered first tier and shall apply. ANSI Y14.1 is tailored as follows: Para 7.1, remove "should", and add "shall". Paragraph 12.2 add, "Sheets shall be numbered beginning with one (1) and continue, using consecutive whole integers." The contractor may find it useful to incorporate the concepts of MIL-HDBK-288 into the preparation of the TDP. MIL-HDBK-288 refers to Engineering Drawing Package (EDP); this term shall be considered synonymous with TDP.

7. Source Control Drawings: Source Control Drawing Approval Requests shall be submitted. The request (letter) shall be submitted to the requiring office in Block 6 of this DD Form 1423 prior to the preparation or use of a Source Control Drawing. The letter shall be marked with Distribution Statement "A" in accordance with DoD-D-5230.24. Preparation instructions are as follows:

a. Format - The Source Control Drawing Approval Request shall be in the contractor's format.

b. Content - The request shall specify the following:

(1) Nomenclature and description of the item.

(2) The critical application (s) for which the item is to used.

(3) Number of applications per end item.

(4) Item status as a repair part.

(5) System performance requirements requiring source qualification.

(6) Procedures and criteria required to qualify a source.

(7) Sources of supply and manufacturers' part numbers.

(8) Cost of the item involved.

(9) Estimated cost to qualify a source.

(10) Impact on contract cost, schedule and performance if use of source control drawing is not permitted.

(11) Copy of the Non-standard part approval request, if the DoD Parts Control Program is applicable under the contract or purchase order.

8. Control Drawings: The contractor shall not identify his own company as a source on control drawings, unless one additional source is also shown. A separate division of the contractor's company, with a different manufacturers code (CAGE) may be shown, if it is actually a source. Control drawings not developed for this contract (existing drawings) shall be updated, to show current information (i.e., performance/qualification requirements, vendors/sources names and part numbers).

9. Existing Data: When existing data meets the following criteria, or will be modified or revised to meet the following criteria, it shall be used in lieu of preparing new data:

a. It is furnished with rights-in-data consistent with the contract stipulations regarding data rights;

b. It is furnished at a cost to the government equal to or less than preparing new data;

c. It meets the highest quality of legibility and reproducibility available in the commercial world. (Reproduced paper copies shall be direct reading and shall not require magnification).

d. It meets the design disclosure requirements of the TDP element of which it is to be a part of.

e. It is identified by a Commercial and Government Entity (CAGE) Code, document number, title and applicable contract number(s).

f. Any nonstandard symbols, drawing or documentation practices used are explained in the document or in a document referenced on the document containing the nonstandard symbol or practice.

10. Legibility and Reproducibility: All documents prepared or submitted shall meet the highest legibility and producibility requirements available in the commercial market controlling the media in which the data is to be delivered.

11. Parenthetical Information: Design activity identifying numbers may be referenced parenthetically to identify in-house peculiar documents (documents not necessary for the production and quality of the item). Parenthetically identified documents are not a required deliverable; however, if the government deems this document necessary, it shall be delivered. Engineering drawings and Part Lists (PL) using parenthetical identification shall carry a note thereon indicating parenthetical identities are for reference only.

12. Referenced Documents: Documents referenced in a TDP shall be furnished as an integral part of that TDP except where the documentation meets the requirement of the paragraph titled Existing Data above, and has been furnished and approved under a previous contract in the same revision to any USAF repository. When first tier references do not provide the technical information required by the TDP element, subordinate reference documents shall be provided until the design disclosure requirements are met. Technical manuals/orders, procedural manuals, and maintenance manuals shall not be referenced within the TDP. When information essential to meeting TDP design disclosure requirements (such as default surface finish values) are contained in such documents, that information must be incorporated in a document acceptable for inclusion in the TDP.

13. Protecting Classified Information: TDPs or parts thereof, containing classified information shall be protected and marked in accordance with the Department of Defense Industrial Security Manual for Safeguarding Classified Information, DoD Manual 5220.22-M.

14. Contract Numbers: When a TDP document is prepared under a Government contract, the Government contract number under which it is prepared shall appear on the first sheet of the document original. When a TDP document is delivered under a Government contract other than the one under which it was prepared, the Government contract number under which it is delivered shall also appear on the first sheet of each copy submitted. If the document is prepared and submitted under the same contract, only the entry for the contract under which it is prepared is required.

15. Application of Contract Numbers: When TDP documents or copies thereof are to be delivered under a subsequent or other contract, cost effective techniques may be used to apply the delivery contract numbers. Examples of such techniques are using a rubber stamp for paper copies, photographic overlays for microfilm, or electronic application to digital data.

16. Application Block: All new and revised drawings shall contain an Application Block. The Application Block is mandatory for all drawings. The Application Block shall be near the Title Block. The Application Block shall show the "Next Assembly" and "Used On". When an item is used in more than three applications, the entry "general usage" may be used.

17. Environmental Stress Screening (ESS): TDP documents shall contain ESS criteria, and the implementation of that criteria, necessary to ensure system performance at design levels directly or by reference on TDP elements.

a. Selected item drawings are required for all items and assemblies that require the application of ESS selection criteria to meet system requirements. The TDP element shall define, directly or by reference, the ESS selection criteria applied to the item or assembly identified.

b. Incoming ESS inspection procedures used on materiel/items which do not require selected item drawing delineation shall be required directly or by reference on the TDP element identifying that materiel/item.

c. Any ESS utilized during manufacturing/production in addition to the selected item ESS or incoming inspection criteria, shall be required either directly or by reference on applicable TDP documents.

18. Traceability: The contractor shall prepare the TDP in such a manner to insure that all applicable documents i.e., Artwork, Schematics, and Test Criteria, etc., are referenced within the TDP for traceability.

19. Preparation Method: American English language shall be used in the preparation of this TDP. All drawings shall be prepared using Third Angle Orthographic Projection method of presentation. The symbol for angle of projection shall be delineated in the Title Block of newly prepared or revised engineering data. (see ANSI Y14.3 figure 2).

20. TDP Validation: The contractor shall validate that the TDP and elements thereof conform to the contractual requirements, and that they accurately depict the item(s) developed, modified, or produced under the contract. Successful use of the TDP in producing, inspecting and testing the item(s) is considered acceptable evidence that the validation requirement has been met.

21. Test Criteria: Test criteria is an inherent part of the TDP. Test criteria shall be incorporated, either directly on each TDP document or by reference, for each end item, top assembly item, configured item, and lowest assembled item IAW Air Force (CAGE 98752) drawing 9579777, titled "Clarification of Detailed Test Criteria for Electrical and Avionics Items.

22. Associated Lists: Parts Lists per ASME Y14.34M-1989 are required. Parts Lists are required at assembly level. Parts Lists for Contractor Activity identifier CAGE code may be an integral part of a document or it may be a separate document. An Indentured Data List at top assembly/system level is required per Air Force (CAGE 98752) drawing 9579776.

23. Software and Firmware Documentation: Software and Firmware documentation is to be delivered as a part of this data requirement per Air Force (CAGE 98752) drawing 9579776.

24. Marking: Drawings shall specify requirement for marking part number identification on items as required by MIL-STD-130. The drawings shall identify the method and location of marking on the part.

25. Engineering Data Updates and Revisions: The contractor shall (and shall cause subcontractors and vendors to) update and maintain engineering data for the item(s) designed/ developed/modified/produced by this contract for the life of this contract and shall incorporate all changes in accordance with the following:

a. All engineering changes shall be incorporated into the applicable engineering data within 90 days after engineering release/Government concurrence or at intervals of five changes, whichever occurs first, except a change involving safety, which shall be incorporated immediately.

b. All engineering changes shall be incorporated into the applicable engineering data prior to delivery of preliminary data for review.

c. All engineering changes shall be incorporated into the applicable engineering data prior to delivery of final media (this includes all EO's generated as a result of the preliminary data review).

26. Contractor Quality Control System: The contractor shall develop and maintain a quality control system for the detailed examination and technical review of the TDP, to be supplied under the terms of the contract or purchase order. The quality control system shall assure conformance of the TDP to all requirements specified herein. The quality control system shall be documented and subject to review by the Government's representative. If the contractor's methods and procedures do not comply with the quality control system or do not attain their objectives, the quality control system shall be subject to disapproval by the Government.

27. TDP Quality Control System Requirements: The contractor's quality control system shall address:

a. The methods and procedures to be used to control the development, maintenance and delivery of the TDP, including the use of electronic approvals or authorizations, if applicable.

b. Assignments of responsibilities and procedures for the detailed examination, review and final approval of the TDP by the contractor.

c. Qualifications of the personnel performing the examinations and reviews of the TDP.

d. Procedural flow of information and documentation within the organization for the development, review and approval processing of the TDP and components thereof.

e. Procedures for ensuring that nonstandard items used in the design have been documented as required for the TDP.

f. Methods of ensuring that approved engineering changes have been incorporated into the TDP in accordance with contract requirements.

g. Procedures for ensuring that security markings, distribution statements, and right-in-data legends are assigned and applied in accordance with applicable specifications, standards, regulations and public laws.

h. Methods of detecting, correcting, and preventing the recurrence of deficiencies with the TDP and discrepancies between the elements and components thereof.

28. Inspection of TDP: The TDP components thereof, including data prepared by subcontractors, shall be inspected for the following:

a. Compliance with the requirements of this contract.

b. Inclusion of all documents, including sub-tier references, required to meet the design disclosure requirements of the TDP, except those already furnished to the government as referenced in paragraph above titled "Referenced Documents".

29. In-Process Review (IPR) of the TDP (Engineering Data IPT Review): The contractor shall host, support, and co chair (at his facility) an IPR of the engineering drawings and associated lists and other documentation to be included in the TDP. The contractor will have a copy of all data available at IPR. The IPR will be conducted only after the contractor's quality assurance personnel have completely reviewed the

data and determined that data are of sufficient quality that Government time will be effectively utilized during the review. IPRs shall be scheduled when data has reached the 30%, 50%, and 80% percent completion points and shall be held, when possible, in conjunction with other reviews (i.e., PDR, CDR). The contractor shall notify ASC/FBLE and WR-ALC/TILCC a minimum of 30 days prior to the anticipated date of completion point. The IPR shall focus on the contractor's progress in the preparation of the TDP. The contractor shall support and provide the necessary resources, i.e., meeting agenda, conference room, applicable data, minutes, and appropriate personnel available to answer any questions to perform the IPR effectively. The contractor shall correct all discrepancies identified in the IPR. All subcontractor/vendor data shall be made available for review. If quantity is sufficient, the Government may schedule a separate IPR at the subcontractor's/vendor's facility.

30. Engineering Data Guidance Conference (Engineering Data Post Award IPT Meeting): The contractor shall support and co chair a Guidance Conference for engineering data within 60 days after contract award. The Conference shall be convened at a site and on a date agreed upon by the Government contracting officer and the contractor. The contractor shall prepare an agenda and record the minutes of the Guidance Conference. The contractor shall address, discuss, and provide status on the following: [DI-ADMN-81249, DI-ADMN-81250]

- a. ~~Understanding of all CDRL requirements, applicable DIDs, specifications and standards.~~
- b. TDP review requirements and schedules.
- c. TDP delivery requirements and schedules.
- d. Contractor's drafting practices/procedures/TDP drawing formats.
- e. The contractor's quality assurance procedures relating to TDP documents, including quality control of subcontractor and vendor data.
- f. The role of subcontractors and vendors who may deliver TDP documents under this contract.
- g. The contractor's configuration management system, including methods for releasing documents, approving documents, and incorporating changes into documents.
- h. Digital Technical Data Package (TDP) deliverables.

31. Printed Board Artwork Master Drawing. The printed board artwork master drawing shall include images of all artwork required to manufacture the printed board. These images will serve as a referenced to those images produced from the Gerber data files IAW Air Force drawing 9579776 (CAGE 98752), titled "Digital Data Description Requirement". This requirement is in addition to those in ASME Y14.24M and other related standards.

32. Restrictions:

a. Wiring whose jacket or insulation material that contains Polyvinyl chloride (PVC) or other potentially corrosive elements shall not be used for Air Force aerospace equipment. This encompasses multiconductor cable, internal hookup wire, and interconnection cable and wire. Use of PVC in any other application requires prior approval from the office identified in block 6 of this DD Form 1423.

b. MIL-W-16878 shall not be used for Air Force aerospace equipment.

- c. Wiring whose jacket or insulation material that contains Aromatic polyimide film shall not be used.

CONTINUATION OF DD FORM 1423 (DI-DRPR-81000A/T)

BLOCK 3: Advanced Targeting Pod (Shipping Containers for Pods, and shipping containers for LRUs.)

BLOCK 4:

DI-DRPR-81000A is tailored as follows:

- a. Paragraph 7.1, delete in its entirety.
- b. Paragraph 10.1, delete in its entirety and replace with "10.1 Reference Documents. The applicable documents apply as cited in the DD Form 1423 and continuation sheets."
- c. Paragraph 10.2, delete "Product drawings and associated lists shall meet the requirements of MIL-DTL-31000A".
- d. Delete Paragraph 10.3 in its entirety and replace with "10.3 Drawing Forms. The contractor shall utilize their own forms for Product Drawings and Associated Lists, which meet the requirements of ANSI Y14.1. (The government does not furnish forms for drawing formats)"
- e. Paragraph 10.4, delete "Product Drawings and Associated Lists shall conform to the requirements of ASME Y14.100M, ASME Y14.34M and, where DoD peculiar requirements must be met, MIL-STD-100" and replace with "Product Drawings and Associated Lists shall conform to the requirements of MIL-STD-100F, ASME Y14.24, ASME Y14.35M, ASME Y14.34M and DD Form 1423."
- f. Paragraph 10.6, delete "Selection Work Sheet incorporated in the contract or purchase order." and replace with "DD Form 1423."
- g. Paragraph 10.7, delete "The Selection Work Sheet incorporated in the contract or purchase order will specify whether the contractor or the Government is responsible for selecting the types of drawings and lists." and replace with "The contractor is responsible for selecting the types of drawings and lists."

BLOCK 9:

DISTRIBUTION STATEMENT. Distribution statements shall be in accordance with DoD Directive 5230.24 and included on the first sheet of each drawing near the title block, and shall be as follows:

"DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

Note: Certain types of technical data preclude placing the entire notice on the document. To accommodate this problem an abbreviated version is authorized as follows:

"Statement A, unlimited."

EXPORT CONTROL NOTICE. The Export Control Notice shall be in accordance with DoD Directive 5230.24.

DESTRUCTION NOTICE. Mark documents with one of the following:

a. For unclassified limited documents: "DESTRUCTION NOTICE. Destroy by any method that will prevent disclosure of contents or reconstruction of the document."

b. For classified documents: "DESTRUCTION NOTICE. Follow the procedures in DoD 5220.22-M, *Industrial Security Manual*, section 11-19, or DoD 5200.1R, *Information Security Program Regulation*, chapter IX."

BLOCK 10: Revisions/changes to the final delivered data shall be furnished quarterly, commencing the first quarter after destination acceptance of the final reproducible data and continue until the contract is closed. Quarterly updates shall include an updated IDL, reference A.F. Drawing 9579776. Negative reports shall be submitted to ASC/FBLE.

BLOCK 11: 15 days before the end of the quarter.

BLOCK 12 AND 13:

~~I.1.2 1. All data submittals shall contain a shipping list prepared to include as a minimum, the document number, revision level, and number of sheets/pages. Part number, noun and drawing size is optional. The data delivered shall be in the same sequence as the shipping list. Unless prior approval is granted by ASC/FBLE, shipments of data must be for complete assemblies, i.e., Advanced Targeting Pod Container. Shipping list shall specify whether the shipment is updates, final or make-up.~~

2. When a specific revision of an engineering document has been previously furnished and approved by a USAF Engineering Data Repository in microfilm or digital form as a result of any government contract, and is required by this DD Form 1423, the same data shall not be resubmitted providing it meets the requirements in the DD Form 1423 for existing data. This data shall be identified as being previously submitted and approved and shall include the document number, revision, and contract number under which the data were submitted. The receiving USAF Engineering Data Repository shall be identified. This action is required concurrent with all submittals.

3. Within 90 days after successful government verification of the prototypes, an Indentured Data List (IDL) per Air Force (CAGE 98752) drawing 9579776 shall be delivered.

4. Within 90 days after successful government verification of the prototypes, one set of paper copies of all "final reproducible data" (reference Block 14 of the DD 1423) shall be delivered. Submittal shall be accompanied by a letter of transmittal. Paper copy submittal will be reviewed within 120 days after receipt of data, unless additional time is required, at which time the contractor will be notified.

Concurrent with the paper copies the contractor shall submit four (4) representative samples of each digital data format per Air Force (CAGE 98752) drawing 9579776, (Native, Neutral, HPGL, Drawing Metadata Spreadsheet, etc.).

5. Within 60 days after approval of paper copy, one set of all "final reproducible data" (reference Block 14 of the DD 1423) shall be delivered to ASC/FBLE, 420 Second Street Suite 100, Robins AFB GA 31098-1640. If changes have been required to the IDL since delivery in 3 above, resubmittal shall be required.

BLOCK 16:

1. Contractor Activity and Part Identification: The contractor shall use his own design activity identifier (CAGE) and shall assign his own design activity drawing numbers. This number shall be or shall include the drawing number on which the item is described. Where more than one item is described on a drawing, unique identification shall be provided by the addition of a suffixed dash number with the following limitations:

- a. The total length of the part number including dash numbers and spaces shall not exceed 32 characters.
- b. The dash number shall have the same characteristics as drawing numbers and may be composed of numbers, letters, or any combination thereof.
- c. Part numbers shall not include the drawing revision letter, the contractor CAGE, or the drawing format size letter.

2. Content, format, and media requirements for delivery of Digital Engineering Data: The contractor shall comply with Air Force (CAGE 98752) drawing 9579776. For this effort paragraphs 9, 10, and 11 does not apply.

3. Engineering Data: Product Drawings and Associated Lists shall document complete item design and manufacturing processes necessary to obtain and test hardware to the lowest component part that can be procured as a separate entity. This includes but is not limited to special tooling, interface hardware, special test equipment, and support equipment.

4. Relationship of Contractor with Subcontractors/Vendors: The contractor shall levy on subcontractors/vendors the same requirements for Technical Data Packages (TDPs) as are levied on them by this contract. This requirement shall be flowed down to the lowest tier subcontractor/vendor associated with the program.

5. Order of Preference:

Priority I

Documents mandated for use by law or regulation pursuant to law.

Priority II

Performance Oriented Documents: (a) Non-Government Standards; (b) Commercial Item Descriptions; (c) Federal Specifications and Standards; (d) Military Specifications and Standards.

Priority III

Design Based Documents: (a) Non-Government Standards; (b) Federal Specifications and Standards; (c) Military Specifications and Standards

Priority IV

Standards, specifications and related publications issued by the Government outside the military or federal series for the non-repetitive acquisition of developmental items.

Priority V

Company Specifications

6. ENGINEERING DRAWING PRACTICES: The contractor shall use the practices described in MIL-STD-100F. For clarification the documents listed in paragraph 2 of MIL-STD-100F shall be considered first tier and shall apply. ANSI Y14.1 is tailored as follows: Para 7.1, remove "should", and add "shall". Paragraph 12.2 add, "Sheets shall be numbered beginning with one (1) and continue, using consecutive whole integers." The contractor may find it useful to incorporate the concepts of MIL-HDBK-288 into the preparation of the TDP. MIL-HDBK-288 refers to Engineering Drawing Package (EDP); this term shall be considered synonymous with TDP.

7. Delete

8. Control Drawings: The contractor shall not identify his own company as a source on control drawings, unless one additional source is also shown. A separate division of the contractor's company, with a different manufacturers code (CAGE) may be shown, if it is actually a source. Control drawings not developed for this contract (existing drawings) shall be updated, to show current information (i.e., performance/qualification requirements, vendors/sources names and part numbers).

9. Existing Data: When existing data meets the following criteria, or will be modified or revised to meet the following criteria, it shall be used in lieu of preparing new data:

- a. It is furnished with rights-in-data consistent with the contract stipulations regarding data rights;
- b. It is furnished at a cost to the government equal to or less than preparing new data;
- c. It meets the highest quality of legibility and reproducibility available in the commercial world. (Reproduced paper copies shall be direct reading and shall not require magnification).
- d. It meets the design disclosure requirements of the TDP element of which it is to be a part of.
- e. It is identified by a Commercial and Government Entity (CAGE) Code, document number, title and applicable contract number(s).
- f. Any nonstandard symbols, drawing or documentation practices used are explained in the document or in a document referenced on the document containing the nonstandard symbol or practice.

10. Legibility and Reproducibility: All documents prepared or submitted shall meet the highest legibility and producibility requirements available in the commercial market controlling the media in which the data is to be delivered.

11. Parenthetical Information: Design activity identifying numbers may be referenced parenthetically to identify in-house peculiar documents (documents not necessary for the production and quality of the item). Parenthetically identified documents are not a required deliverable; however, if the government deems this document necessary, it shall be delivered. Engineering drawings and Part Lists (PL) using parenthetical identification shall carry a note thereon indicating parenthetical identities are for reference only.

12. Referenced Documents: Documents referenced in a TDP shall be furnished as an integral part of that TDP except where the documentation meets the requirement of the paragraph titled Existing Data above, and has been furnished and approved under a previous contract in the same revision to any USAF repository. When first tier references do not provide the technical information required by the TDP element, subordinate reference documents shall be provided until the design disclosure requirements are met. Technical manuals/orders, procedural manuals, and maintenance manuals shall not be referenced within the TDP. When information essential to meeting TDP design disclosure requirements (such as default surface finish

values) are contained in such documents, that information must be incorporated in a document acceptable for inclusion in the TDP.

13. Protecting Classified Information: TDPs or parts thereof, containing classified information shall be protected and marked in accordance with the Department of Defense Industrial Security Manual for Safeguarding Classified Information, DoD Manual 5220.22-M.

14. Contract Numbers: When a TDP document is prepared under a Government contract, the Government contract number under which it is prepared shall appear on the first sheet of the document original. When a TDP document is delivered under a Government contract other than the one under which it was prepared, the Government contract number under which it is delivered shall also appear on the first sheet of each copy submitted. If the document is prepared and submitted under the same contract, only the entry for the contract under which it is prepared is required.

15. Application of Contract Numbers: When TDP documents or copies thereof are to be delivered under a subsequent or other contract, cost effective techniques may be used to apply the delivery contract numbers. Examples of such techniques are using a rubber stamp for paper copies, photographic overlays for microfilm, or electronic application to digital data.

16. Application Block: All new and revised drawings shall contain an Application Block. The Application Block is mandatory for all drawings. The Application Block shall be near the Title Block. The Application Block shall show the "Next Assembly" and "Used On". When an item is used in more than three applications, the entry "general usage" may be used.

17. Delete

18. Traceability: The contractor shall prepare the TDP in such a manner to insure that all applicable documents i.e., Artwork, Schematics, and Test Criteria, etc., are referenced within the TDP for traceability.

19. Preparation Method: American English language shall be used in the preparation of this TDP. All drawings shall be prepared using Third Angle Orthographic Projection method of presentation. The symbol for angle of projection shall be delineated in the Title Block of newly prepared or revised engineering data. (see ANSI Y14.3 figure 2).

20. TDP Validation: The contractor shall validate that the TDP and elements thereof conform to the contractual requirements, and that they accurately depict the item(s) developed, modified, or produced under the contract. Successful use of the TDP in producing, inspecting and testing the item(s) is considered acceptable evidence that the validation requirement has been met.

21. Delete

22. Associated Lists: Parts Lists per ASME Y14.34M-1989 are required. Parts Lists are required at assembly level. Parts Lists for Contractor Activity identifier CAGE code may be an integral part of a document or it may be a separate document. An Indentured Data List at top assembly/system level is required per Air Force (CAGE 98752) drawing 9579776.

23. Delete

24. Marking: Drawings shall specify requirement for marking part number identification on items as required by MIL-STD-130. The drawings shall identify the method and location of marking on the part.

25. Engineering Data Updates and Revisions: The contractor shall (and shall cause subcontractors and vendors to) update and maintain engineering data for the item(s) designed/ developed/modified/produced by this contract for the life of this contract and shall incorporate all changes in accordance with the following:

- a. All engineering changes shall be incorporated into the applicable engineering data within 90 days after engineering release/Government concurrence or at intervals of five changes, whichever occurs first, except a change involving safety, which shall be incorporated immediately.
- b. All engineering changes shall be incorporated into the applicable engineering data prior to delivery of preliminary data for review.
- c. All engineering changes shall be incorporated into the applicable engineering data prior to delivery of final media (this includes all EO's generated as a result of the preliminary data review).

26. Contractor Quality Control System: The contractor shall develop and maintain a quality control system for the detailed examination and technical review of the TDP, to be supplied under the terms of the contract or purchase order. The quality control system shall assure conformance of the TDP to all requirements specified herein. The quality control system shall be documented and subject to review by the Government's representative. If the contractor's methods and procedures do not comply with the quality control system or do not attain their objectives, the quality control system shall be subject to disapproval by the Government.

27. TDP Quality Control System Requirements: The contractor's quality control system shall address:

- a. The methods and procedures to be used to control the development, maintenance and delivery of the TDP, including the use of electronic approvals or authorizations, if applicable.
- b. Assignments of responsibilities and procedures for the detailed examination, review and final approval of the TDP by the contractor.
- c. Qualifications of the personnel performing the examinations and reviews of the TDP.
- d. Procedural flow of information and documentation within the organization for the development, review and approval processing of the TDP and components thereof.
- e. Procedures for ensuring that nonstandard items used in the design have been documented as required for the TDP.
- f. Methods of ensuring that approved engineering changes have been incorporated into the TDP in accordance with contract requirements.
- g. Procedures for ensuring that security markings, distribution statements, and right-in-data legends are assigned and applied in accordance with applicable specifications, standards, regulations and public laws.
- h. Methods of detecting, correcting, and preventing the recurrence of deficiencies with the TDP and discrepancies between the elements and components thereof.

28. Inspection of TDP: The TDP components thereof, including data prepared by subcontractors, shall be inspected for the following:

a. Compliance with the requirements of this contract.

b. Inclusion of all documents, including sub-tier references, required to meet the design disclosure requirements of the TDP, except those already furnished to the government as referenced in paragraph above titled "Referenced Documents".

29. In-Process Review (IPR) of the TDP (Engineering Data IPT Review): The contractor shall host, support, and co chair (at his facility) an IPR of the engineering drawings and associated lists and other documentation to be included in the TDP. The contractor will have a copy of all data available at IPR. The IPR will be conducted only after the contractor's quality assurance personnel have completely reviewed the data and determined that data are of sufficient quality that Government time will be effectively utilized during the review. IPRs shall be scheduled when data has reached the 30%, 50%, and 80% percent completion points and shall be held, when possible, in conjunction with other reviews (i.e., PDR, CDR). The contractor shall notify ASC/FBLE a minimum of 30 days prior to the anticipated date of completion point. The IPR shall focus on the contractor's progress in the preparation of the TDP. The contractor shall support and provide the necessary resources, i.e., meeting agenda, conference room, applicable data, minutes, and appropriate personnel available to answer any questions to perform the IPR effectively. The contractor shall correct all discrepancies identified in the IPR. All subcontractor/vendor data shall be made available for review. If quantity is sufficient, the Government may schedule a separate IPR at the subcontractor's/vendor's facility.

30. Engineering Data Guidance Conference (Engineering Data Post Award IPT Meeting): The contractor shall support and co chair a Guidance Conference for engineering data within 60 days after contract award. The Conference shall be convened at a site and on a date agreed upon by the Government contracting officer and the contractor. The contractor shall prepare an agenda and record the minutes of the Guidance Conference. The contractor shall address, discuss, and provide status on the following: [DI-ADMN-81249, DI-ADMN-81250]

a. Understanding of all CDRL requirements, applicable DIDs, specifications and standards.

b. TDP review requirements and schedules.

c. TDP delivery requirements and schedules.

d. Contractor's drafting practices/procedures/TDP drawing formats.

e. The contractor's quality assurance procedures relating to TDP documents, including quality control of subcontractor and vendor data.

f. The role of subcontractors and vendors who may deliver TDP documents under this contract.

g. The contractor's configuration management system, including methods for releasing documents, approving documents, and incorporating changes into documents.

h. Digital Technical Data Package (TDP) deliverables.

CONTRACT DATA REQUIREMENTS LIST

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 440 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 D.C. 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY: TDP TM OTHER									
D. SYSTEM/ITEM ATP		E. CONTRACT/PR NO. F33657-01-D-2029		F. CONTRACTOR LOCKHEED MARTIN									
1. DATA ITEM NO. A014	2. TITLE OF DATA ITEM CONTAINER DESIGN RETRIEVAL SYSTEM (CDRS) SEARCH			3. SUBTITLE									
4. AUTHORITY (Data Acquisition Document No.) DI-PACK-80683A			5. CONTRACT REFERENCE SOW PARA. 1.8		6. REQUIRING OFFICE ASC/FBL ENG.								
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY ONE/R	12. DATE OF FIRST SUBMISSION BLOCK 16		14. DISTRIBUTION								
8. APP CODE A	A	11. AS OF DATE BLOCK 16	13. DATE SUBSEQUENT SUBMISS BLOCK 16		a. ADDRESSEE	b. COPIES							
						Draft	Final						
							Reg	Repro					
<p>16. REMARKS</p> <p>BLOCK 4: CONTRACTOR FORMAT IS ACCEPTABLE, IF ALL INFORMATION IS PROVIDED AS OUTLINED IN BLOCK 10 OF THE DATA ITEM DESCRIPTION FOR ALL SPECIALIZED ENGINEERED LONG LIFE REUSABLE CONTAINERS.</p> <p>BLOCK 8: APPROVAL AND/OR DISAPPROVAL CYCLE FOR THIS DATA WILL BE 30 CALENDAR DAYS AFTER RECEIPT OF THE DESCRIPTIVE DATA. ASC/FBL IS THE APPROVAL AND/OR DISAPPROVAL OF THIS DATA.</p> <p>BLOCK 11 & 12: DATA SHALL BE SUBMITTED AS SOON AS A SPECIALIZED REUSABLE CONTAINER REQUIREMENT IS IDENTIFIED AS PRIOR TO THE CONTRACTOR UNDERTAKING A NEW CONTAINER DESIGN. DATA SHALL BE SUBMITTED NLT 30 DAYS AFTER ITEM DESIGN IS STABLE.</p> <p>BLOCK 13: SUBSEQUENT SUBMISSIONS DEPEND ON ADEQUACY OF THE DATA.</p>					ASC/FBL-1	0	1	0					
					ASC/SYPL	0	1	0					
					WR-ALC/LGMP	0	1	0					
					AFMC LSO/LOP	0	1	0					
					WR-ALC/LYSA	0	1	0					
										TOTAL	0	5	0
					G. PREPARED BY TERRY LAMBERT ASC/FBLE		H. DATE 9/20/2001		I. APPROVED BY SHIRLEY MORRISON ASC/FBL, PROGRAM MANAGER			J. DATE 9/20/2001	

Air Force Technical Manual Contract Requirements (TMCR)
for
Advanced Targeting Pod (ATP)

ATTACHMENT TO CDRL SEQUENCE NUMBER: A017 EXHIBIT: A
REQUEST FOR PROPOSAL/CONTRACT: F33657-01-R-2029
Date: 5 Feb 01

Technical Manual/Technical Order requirements contained herein have been cleared for use by OMB No. 0704-0188, 21 July 1986.

SECTION 1. TECHNICAL ORDER (TO) PROGRAM REQUIREMENTS

1. TMCR Tailoring. Offerors MUST tailor this TMCR document, including the associated tables, matrices and Specification/Standard Interface Requirements (SIRs). The tailored TMCR shall be attached to the CDRL for TO delivery, and shall be included in the proposal as a separate exhibit, referenced in the proposal SOW. Proposals shall be compatible with the Air Force infrastructure and support the Advanced Targeting Pod Program's Technical Manual requirements. Air Force TO Acquisition procedures, including procedures for tailoring this document, are found in TO 00-5-3, located on the World Wide Web (WWW) at <http://www.pdsm.wpafb.af.mil/toprac/to-syste.htm>. Any terms or procedures found in this document may be researched there.
2. TO Program Scope. The offeror shall tailor Section 2 to propose the TO types (Table 1) and source data, TO updates and commercial manuals (Table 2) required to support the ATP program's objectives. Page-oriented Military Specification (MILSPEC) TOs must be formatted according to MIL-STD-38784 and applicable performance (MIL-PRF) specifications, with (1) MIL-STD-38784 compliant SGML tagged instance accompanied by the Level 3 CGM Graphics and (2) a composed Postscript .PDF file of the same data.
3. The offeror may propose use of Non-Government Specifications or Standards (NGS) for development of TOs, but must justify this choice based on life-cycle cost savings to the government and compatibility with existing systems identified in the GCO and the System Support Plan. **NOTE:** If Interactive Electronic Technical Manuals (IETMs) are proposed (MIL-PRF-87268 and MIL-PRF-87269), contact the Procuring Contracting Officer (PCO) and TO Manager to obtain guidance from the Air Force Preparing Activity (PA), MSG/MMF, 4375 Chidlaw Rd Suite 6, WPAFB OH 45433-5006.
3. Commercial Manuals. Offerors shall propose the use of existing commercial manuals to the maximum extent possible without impairing program support objectives. The proposal will describe the method used to recommend and submit specific manuals to the government for review and approval. **NOTES:** a) Contractor Furnished Aeronautical Equipment/Contractor Furnished Equipment (CFAE/ CFE) Notices, Data Item Description (DID) DI-TMSS-80067, may be used to provide recommendation data. b) The government will use MIL-HDBK-1221 as a guide for review and acceptance of all recommended commercial manuals, and MIL-PRF-7700 as an additional guide for commercial Flight Manual contents.

4. Technical Manual Specifications and Standards (TMSS) Tailoring. TMSS are tailored by deleting requirements not needed for program TOs, and by selecting between options offered. The tailoring is recorded in SIRs and added to Section 3 of this document. AF options in some Joint-Service TMSS have been documented in preliminary SIRs included in Section 3. Offerors shall complete tailoring of the Joint-Service TMSS SIRs and provide recommended SIRs for other TMSS or NGS as applicable. Questions and conflicts with TMSS requirements may be resolved by written request and justified suggestions for resolution submitted through the PCO to Mr Ron Soward, ASC/FBL, 2275 D Street, Suite 142, Wright- Patterson AFB OH 45433, (937-255-6091 x4066. Approved recommendations, corrections and clarifications will be maintained with contract documentation. **NOTE:** Tailoring must not change or delete mandatory requirements which are part of the DTD structure.

5. Subsequent TO/Data Requirements. Offerors shall propose a process for notifying the government when additional TO or source data requirements are identified subsequent to contract award. This process shall require government review and approval of recommended additional requirements prior to contractual approval. **NOTE:** The recommended notification process is to use CFAE/CFE Notices (DI-TMSS-80067).

6. TO Development. The offeror shall propose TO development practices and procedures which ensure TOs and data are compatible with the AF Digital Data Strategy (http://www.pdsm.wpafb.af.mil/datamgt/data_mgt.htm) and the JCALS JTMS. The preferred method is through use of the TMSS specified in Section 2 to produce TO files tagged using Standard Generalized Markup Language (SGML) according to the Document Type Definitions (DTDs) appended to MIL-STD-38784 and each specification. The offeror must submit any DTDs developed to support use of NGS or canceled TMSS through the PCO and TO Manager to MSG/MMF for validation of JCALS compatibility. SGML-tagged TO files shall include required illustrations in one of the three approved graphics exchange specifications; MIL-PRF-28000, 28002, or 28003.

7. TO Numbering. Offerors shall propose a method for notifying the government of which manuals require TO numbers. TO numbers are not required for manuals to be used exclusively by contractor personnel. (**NOTE:** DI-TMSS-80067 may be used to provide the notification.) AF procedures for numbering TOs are described in TO 00-5-3 and AFMCMAN 21-1 (<http://www.pdsm.wpafb.af.mil/toprac/to-syste.htm>).

8. Data Rights. Government rights in data are specified in the Defense Federal Acquisition Regulation Supplement (DFARS), paragraphs 227-7102 through 227-7104, located in Section I of the RFP. Offerors shall propose Unlimited Rights for all source data and TOs prepared specifically for the contract. If some TOs or source data are copyrighted or contain proprietary data or procedures, offerors may propose Limited Rights or Government Purpose License Rights (GPLR) only. Proposed commercial manuals should be provided with at least GPLR or Limited Rights. Copyrights shall be according to DFARS paragraphs 227-7103, 7105 or 7106.

9. Classification, Distribution, Destruction, Disclosure, and Export Control Notices. Offerors shall propose methods for determining, marking and controlling classified and restricted distribution data and TOs. Processes must conform to government requirements specified in DOD 5200.1-R, DOD 5230.24, AFIs 31-401 and 61-204, and MIL-STD-38784. **NOTE:** Distribution limitations are normally determined on a case-by-case basis as TOs are developed, dependent upon TO content.

10. TO Quality. Offerors shall propose a quality assurance program which ensures TOs prepared are: a) 100% technically accurate; b) written to a scope and depth of coverage sufficient to support the operations and maintenance concepts, and to the Reading Grade Level (RGL) specified in MIL-STD-38784; c) compatible with the JCALS JTMS; and d) properly classified and marked with export control and distribution limitation statements. Recommended QA methods include actual performance of procedures and use of desk-top analysis for non-procedural data. Simulation (walk-through/talk-through) should be reserved for those procedures which would activate explosive devices or present a hazard to personnel or equipment. Offerors' proposals should describe how the government will be allowed to interact with the contractor's TO development team. **NOTE:** Quality requirements for the Joint Nuclear Weapons Publications System (JNWPS) and for Non-nuclear Explosive Ordnance Disposal (EOD) Data are contained in TO 11N-1-1 and DOD Directive 5160.62, respectively. The government performance-tests all JNWPS and EOD TOs.

~~10.1. Conferences and Technical Reviews. Offerors shall propose sufficient conferences and reviews to allow insight into TO development processes and ensure contract compliance.~~
Offerors normally host an initial Guidance Conference or Technical Interchange Meeting (TIM) within 60 days of contract award to ensure mutual understanding of TO contract requirements, schedules, points of contact, etc. Periodic In-Process Reviews (IPRs) and Prepublication Reviews (PPR) ensure TOs are being developed according to contract requirements and that open discrepancies are cleared prior to publication. **NOTE:** PPRs are required for critical safety and nuclear surety procedures TOs, and may be required for other complex procedures TOs.

10.2. TO Certification. Offerors shall propose their method for documenting certification that TO procedures are accurate, adequate, current, and usable for their intended purposes.

10.3 Verification Support. Offerors shall propose the methods, equipment and personnel required to support government TO Verification. As a minimum, this support should consist of (a) technical writer and/or engineer support to resolve problems (b) provisions for program-peculiar equipment and supplies (c) incorporation of government comments, and (d) participation in TO Review Boards (TORBs) and Flight TORBs.

11. TO and Source Data Maintenance. Offerors shall propose methods for maintaining accuracy, currency and configuration of TOs and source data throughout the contract period of performance. Maintenance includes preparation of TO and source data updates to incorporate corrections, equipment configuration changes, and maintenance and operational concept changes.

12. TO Delivery. Offerors shall propose practices and procedures for access to or delivery of digital TO files, including those for Preliminary TOs (PTOs), source data, reproduction masters, and program support data. Practices and procedures shall be compatible with the program's Contractor Integrated Technical Information Service (CITIS) agreement (if on contract). TO file delivery formats shall be according to applicable CDRLs and the tailored TM Delivery Requirements Matrices included in Section 2 of this document. Paper TO delivery is not acceptable for final delivery of TOs. **EXCEPTION:** When cost analysis proves the paper delivery is more cost effective over the life-cycle of the program or project, and for some Commercial Manuals not available digitally.

12.1. SGML-Tagged Files. The government will parse SGML TO document files prior to acceptance. **NOTE:** The Internet address for the public domain "SGMLS Parser" software is "ftp://ifi.uio.no/pub/SGML."

12.2. Indexed Adobe™ Portable Document Format (IPDF) Files. Indexing specifications for PDF TO files are contained in the AF Digital Data Strategy (http://www.pdsm.wpafb.af.mil/datamgt/data_mgt.htm).

13. Schedules. Offerors shall include TO program events and schedules in their proposed Integrated Master Plan (IMP) and Integrated Master Schedule (IMS), and update the IMS throughout the period of performance. **NOTE:** AF policy requires delivery of verified TOs prior to or concurrently with delivery of operational equipment to the field (AFPD 21-3). This policy will determine TO development and delivery schedules throughout the acquisition phase of a program.

14. Time Compliance Technical Orders (TCTOs). Offerors shall propose practices and procedures to develop AF TCTOs and related TO updates when tasked as part of the approval process for Engineering Change Proposals (ECPs) to configured items. Costs for TCTO package development must be included in ECP Costs – not included as direct proposal costs. **NOTE:** ECPs are reviewed and approved by the Government's Configuration Control Board (CCB). When the CCB decides that a TCTO is the appropriate method of implementation, the contractor may be requested to develop the TCTO package for Air Force coordination and approval. See TO 00-5-15 (<http://www.pdsm.wpafb.af.mil/toprac/to-syste.htm>) for a detailed description of the TCTO system.

15. TO Reproduction Management. Offerors shall propose practices and procedures for managing the program's reproduction requirements. **NOTE:** Reproduction management for printing includes assembly of a print package (reproduction media, a reproduction assembly sheet, and TO Initial Distribution (ID) labels) and submission of the package for government printing. (ID labels are provided by the TO Manager) In some cases, the contractor may perform the printing. Reproduction management for digital media consists of reproduction of the digital file on magnetic/optical media and distribution according to ID labels. Reproduction Management may also include configuration control and storage of reproduction masters.

2. Section 2. TM Type and Delivery Requirements

NOTES:

- Mark the TM Type Selection Tables indicating the applicable TO types and related specifications. For additional interface requirements see the program-specific Government Concept of Operations (GCO) and DOD 5000.2-R.
 - Manuals delivered using this table and DI-TMSS-80067, CFAE/CFE Notices, must be reviewed and approved by the Air Force prior to delivery.
 - IPBs are developed IAW MIL-PRF-38807, except that MIL-PRF-87929 will also be used for IPBs combined with work packages.
 - All checklists, except aircrew and nuclear weapons checklists, are developed IAW MIL-PRF-5096.
 - MIL-PRF-83495 requires DOD-STD-863 requirements to be levied on engineering data for preparation of end item wiring data and schematic diagrams.
 - Delivery requirements are indicated in the TM Delivery Requirements matrices.
-
- For further information on Air Force Digital Data Strategy, see WWW address http://www.pdsm.wpafb.af.mil/datamgt/data_mgt.htm.

PART A – TM TYPE SELECTION TABLES

TABLE 1
 TMSS REQUIREMENTS FOR THE (ATP) Program
 (System/Component)

Title or Type of Manuals	Specification	Required
1. Inspection TOs	MIL-PRF-5096	
a. Inspection and Maintenance Requirements (-6) Manual		<input type="checkbox"/>
b. Acceptance and Functional Check Flight (FCF) Procedures (-6CF) Manual		<input type="checkbox"/>
c. Acceptance and Functional Check Flight (-6CL) Checklist		<input type="checkbox"/>
d. Workcards		<input type="checkbox"/>
e. Inspection Requirements Cards		<input type="checkbox"/>
f. Flow/Sequence Charts		<input type="checkbox"/>
g. Checklists		
(1) Maintenance/Operations (Non-Aircrew)		<input type="checkbox"/>
(2) Operations (Aircrew)		<input type="checkbox"/>
2. Cargo Aircraft Loading and Offloading TOs	MIL-PRF-5288	
a. Manual		<input type="checkbox"/>
b. Checklists		<input type="checkbox"/>
3. Weight and Balance (Aircraft)	MIL-PRF-5920	
a. Loading Data Manual		<input type="checkbox"/>
b. Sample Basic Weight Checklists		<input type="checkbox"/>
4. Flight Manuals (see notes)	MIL-PRF-7700	
a. Flight Manual		<input type="checkbox"/>
b. Performance Data Manual		<input type="checkbox"/>
5. List of Applicable Publications	MIL-PRF-8031	<input type="checkbox"/>
6. Structural Repair Manuals (for Aircraft)	MIL-PRF-9854	<input type="checkbox"/>
7. Munitions/Weapons Loading Procedures, Non- nuclear and Nuclear	MIL-PRF-9977	
a. Nuclear Weapons Basic Information and Loading Procedures		<input type="checkbox"/>
b. Nuclear Weapons Loading Procedures		<input type="checkbox"/>
c. Non-nuclear Munitions Basic		<input type="checkbox"/>
d. Non-nuclear Loading Procedures		<input type="checkbox"/>

TABLE I
 TMSS REQUIREMENTS FOR THE (ATP) Program
 (System/Component)

Title or Type of Manuals	Specification	Required
e. Integrated Combat Turnaround Procedures		<input type="checkbox"/>
f. Non-nuclear Munitions Loading Standard Data Packages (SDPs)		<input type="checkbox"/>
g. Loading Procedures Checklists		<input type="checkbox"/>
h. Integrated Loading Procedures Checklists		<input type="checkbox"/>
i. Nuclear Weapons Loading Procedure Checklists		<input type="checkbox"/>
j. Integrated Combat Turnaround Procedures Checklists		<input type="checkbox"/>
k. NATO Stage B Cross-Servicing Checklists		<input type="checkbox"/>
8. Mobile Training Sets (MTS) and Part Task Trainer TOs	MIL-PRF-9994	
a. Single Manual		<input type="checkbox"/>
b. Single Manual w/IPB		<input type="checkbox"/>
c. General/Systems Trainer Manuals		<input type="checkbox"/>
d. General/Systems Trainer Manuals w/IPB		<input type="checkbox"/>
e. Part Task Trainer Manuals		<input type="checkbox"/>
9. Space Operations and Support Documentation TOs	ANSI/AIAA-R024-1993 (Replaces MIL-M-38311)	
a. Operations Manual		<input type="checkbox"/>
b. Operations Checklists		<input type="checkbox"/>
c. Technical Manuals and Related Checklists		<input type="checkbox"/>
10. Nuclear and Non-nuclear Weapon Delivery and Aircrew Procedures Manuals and Checklists	MIL-PRF-38384	
a. Non-nuclear Weapon Delivery Manual (Strategic Bomber & Tactical Aircraft)		<input type="checkbox"/>
b. Nuclear Bomb Delivery Manual (Strategic Bomber Aircraft)		<input type="checkbox"/>
c. Aircrew Nuclear Weapon Delivery Manual (Strategic Bomber Aircraft)		<input type="checkbox"/>
d. Aircrew Nuclear Weapon Delivery Manual (Tactical Aircraft)		<input type="checkbox"/>
e. Non-nuclear Weapon Delivery Checklist (Strategic Bomber & Tactical Aircraft)		<input type="checkbox"/>
f. Nuclear Bomb Delivery Checklist (Strategic Bomber Aircraft)		<input type="checkbox"/>

TABLE 1
TMSS REQUIREMENTS FOR THE (ATP) Program
(System/Component)

Title or Type of Manuals	Specification	Require d
g. Aircrew Nuclear Weapon Delivery Checklist (Tactical Aircraft)		<input type="checkbox"/>
h. Non-nuclear Weapon Delivery Source Data Packages		<input type="checkbox"/>
11. Air Refueling Procedures	MIL-PRF-38413	
a. Manual		<input type="checkbox"/>
b. Checklist		<input type="checkbox"/>
12. Work Unit Code Manual	MIL-PRF-38769	<input type="checkbox"/>
13. Calibration Procedures	MIL-PRF-38793	<input type="checkbox"/>
14. Time Compliance Technical Orders (TCTOs)	MIL-PRF-38804	<input type="checkbox"/>
15. Aircraft Battle Damage Assessment and Repair TOs	MIL-PRF-87158	<input type="checkbox"/>
16. Illustrated Parts Breakdown	MIL-PRF-38807	<input type="checkbox"/>
17. On-Equipment Organizational Maintenance Manual Set (see notes)	MIL-PRF-83495	
a. General Equipment (GE) Manual		<input type="checkbox"/>
b. General System (GS) Manuals		<input type="checkbox"/>
c. Combined GE & GS Manual		<input type="checkbox"/>
d. Job Guide (JG) Manuals		<input type="checkbox"/>
e. Fault Reporting (FR) Manual		<input type="checkbox"/>
f. Fault Isolation (FI) Manual		<input type="checkbox"/>
g. Wiring Data (WD) Manual		<input type="checkbox"/>
h. Schematic Diagram (SD) Manual		<input type="checkbox"/>
18. Operation and Maintenance Instructions in Work Package Format	MIL-PRF-87929	
a. Maintenance Manuals		
(1) Intermediate Maintenance		<input type="checkbox"/>
(2) Depot Maintenance		<input type="checkbox"/>
(3) Combined (I&D) Maintenance		<input type="checkbox"/>
(4) On Condition Maintenance		<input type="checkbox"/>
b. Operation & Maintenance Instruction Manuals		<input type="checkbox"/>
c. Special Manuals		
(1) Aircraft Engine Testing and Trending Procedures		<input type="checkbox"/>
(2) Aircraft Power Package Testing Procedures		<input type="checkbox"/>

TABLE 1
 TMSS REQUIREMENTS FOR THE (ATP) Program
 (System/Component)

Title or Type of Manuals	Specification	Require d
(3) Static Firing of Missile Motors		<input type="checkbox"/>
(4) System Peculiar Corrosion Control		<input type="checkbox"/>
(5) Nondestructive Inspection (NDI)		<input type="checkbox"/>
(6) Aircraft Structural Integrity Program (ASIP)		<input type="checkbox"/>
(7) ATE Operator Test Procedures		<input type="checkbox"/>
(8) Special Requirements for Storage and Maintenance Procedures; AUR Munitions/Launchers and Associated Support Equipment, Conventional Components and CMBR Agents		<input type="checkbox"/>
(9) Parachute Packing Procedures		<input type="checkbox"/>
(10) Operators Instructions (Hand-Held Flight Computers)		<input type="checkbox"/>
(11) Installation-Engineering Facility (Ground C-E Equipment)		<input type="checkbox"/>
d. Checklists (IAW MIL-PRF-5096)		<input type="checkbox"/>
e. With Illustrated Parts Breakdown (see notes)		<input type="checkbox"/>
19. Commercial Manuals (Evaluate according to MIL-HDBK-1221)		<input type="checkbox"/>
20. Aircraft Cross-servicing Guide	MIL-DTL-22202	<input type="checkbox"/>
21. Electronic Technical Manuals (Contact specification preparing activity for guidance.)	MIL-PRF-87268 MIL-PRF-87269	<input type="checkbox"/>

TABLE 2
ADDITIONAL TM TYPE SELECTIONS

NOTES:

- Check all applicable boxes.
- For commercial manual supplemental data only, under the specification heading, enter "Same style and format," "MIL-PRF-38807" (for IPB data), or "MIL-STD-38784."
- For existing MIL-SPEC manuals not being updated to latest specification requirements, enter "Same style and format" under the specification heading.

TO Number, Title, or Type of Manual	Specification	Com- mercial Manual	Change/ Revision	Supple- ment	Supple- mental TM	Source Data
1. Aircraft TOs(See Atch 1)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Total Copies Required:

5

5

5

1

SECTION 3. SPECIFICATION/STANDARD INTERFACE RECORDS (SIRS)

NOTES:

- Most specification "Acquisition Requirements" list the same two items for paragraphs 6.2a and 6.2b. For this contract enter:
 - 6.2a. The title, number and date of each specification will be listed in the heading of the applicable SIR.
 - 6.2b. The issue of the DODISS used in this contract is (enter date).
 - Tailoring out digital requirements may result in parsing failure of the delivered files. All such tailoring must be coordinated with the specification Preparing Activity (PA).
 - All TM specifications applicable to this contract require an appropriately tailored SIR attached to this section. MIL-STD-38784 must be included in all contracts/proposals for AF TMSS-developed TOs.
 - Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from <http://www.dodssp.daps.mil>, or the Standardization Documents Order Desk, 700 Robbins Ave, Bldg 4D, Philadelphia, PA 19111-5094.
-

STANDARDIZATION INTERFACE RECORD FOR MIL-DTL-22202D,
Manual, Technical, Aircraft Cross-Servicing Guide,
Preparation of

31 March 1999

The requirements of 6.2 are met in this SIR (see below).

- 1.1 In addition to paper delivery, when this specification is used to develop digital delivery files (document type definitions - DTDs) contact the PA for additional instructions.
- 2.3 Ensure the listing for STANAG/ASCC Air Standard Documents is current. List applicable STANAG/ASCC Air Standards below.
(List STANAG/ASCC Air Standard Documents here.)
- 2.2.1 (Added) "Other government documents, drawings, and publications.

DEPARTMENT OF DEFENSE

DOD 5200.1-R	DoD Information Security Program Regulation
DOD 5220.22-M	National Industrial Security Program Operating Manual

4. Replace with: "**VERIFICATION.**

"All cross-servicing guides shall meet the requirements of sections 3 and 5 of this specification, as required by the acquiring activity. The requirements set forth in this specification shall become a part of the contractor's overall inspection system or quality program. The absence of any requirements in this specification shall not relieve the contractor of the responsibility of ensuring that all products or supplies submitted to the government for acceptance comply with all requirements of the contract. Use of sampling inspections shall be at the discretion of the contractor, and in accordance with commercially acceptable quality assurance procedures. However, use of sampling in QA procedures does not authorize submission of known defective material, either indicated or actual, nor does it commit the government to accept defective material."

5. Replace with: "**PACKAGING.**

5.1 Packaging Requirements. For acquisition purposes, the packaging requirements shall be as specified in the contract or order. When the actual packaging of material is to be performed by DoD personnel, these personnel need to contact the responsible packaging activity to determine packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activity within the Military Department's System Command. Packaging data retrieval is available from the Military Department's or Defense Agency's automated packaging files, CD-ROM products, or the responsible packaging activity.

5.1.2 Classified Material. Classified material shall be packaged and identified in accordance with DOD 5200.1-R, DOD 5220.22-M, and the implementing Service regulations."

- 6.2a Title, number, and date of the specification are listed above.
- 6.2b Issue of DODISS: *(fill in issue of DODISS applicable to this contract)*
- 6.2c Packaging requirements (see above).
- 6.2d Verification requirements (see above).

~~STANDARDIZATION INTERFACE RECORD FOR MIL-STD-18781~~

~~2 July 1995~~

~~Standard Practice for Manuals, Technical:
General Style and Format Requirements~~

4.5.1.13 **Destruction Notice.** Change the existing sentence to read: "...or X shall be marked with Handling and Destruction Notice "a" (below) on the cover/title..." Add a new second sentence as follows: "Unclassified TOs authorized for Public Release (Distribution Statement "A") shall be marked with disposition notice "b" (below) on the title or T-2 page."

4.5.1.13.a Designate existing paragraph as "a. **HANDLING AND DESTRUCTION NOTICE...**"
Add: "See TO 00-5-2 for specific destruction procedures."

4.5.1.13.b (Added) b. **DISPOSITION NOTICE** - Refer to TO 00-5-2 for disposition instructions.

STANDARDIZATION INTERFACE RECORD FOR MIL-PRF-38804,
Amendment 1,

1 March 1996
20 June 1997

Time Compliance Technical Orders – Preparation

3.5.5.3a (Added) Add new subpara "a" as follows:

a. Routine Safety Inspection Organizational/Intermediate Level TCTOs. "Not later than (#) days after receipt of this TCTO. Affected system/ equipment shall be removed from service if this TCTO is not accomplished within the specified number of days." The specified number of days for accomplishment shall be controlled by the degree of safety involved rather than the designated level of maintenance. If the compliance period cannot be met before the TCTO rescission date, the performing organization will request an extended compliance period according to TO 00-5-15.

3.5.5.3 Renumber existing paragraphs "a" thru "d" and retitle as follows:

- b. Routine Action, Organizational/Intermediate Level, Safety TCTO.
- c. Routine Action, Organizational/Intermediate Level TCTO.
- d. Routine Action, Organizational/Intermediate Level, Based Upon Maintenance Practice.
- e. Routine Action, Depot Level.

Attachment 1

Table 2a
Additional TM Type Selections
F-16 Block 25/30/32 Technical Orders Requiring Change

Technical Order Number	Technical Order Description
1F-16C-01	List of Applicable Publications F-16C/D Aircraft
1F-16C-06	Aircraft Maintenance Work Unit Code Manual, F-16 C/D Aircraft
1F-16C-06-11	Aircraft Maintenance (GE-110) Work Unit Code Manual, F-16 C/D Aircraft (T.O. not tasked by the Flight Manual Group at LMAC for this ECP)
1F-16C-1	Flight Manual F-16 C/D Aircraft
1F-16C-1-1	Flight Manual F-16 C/D Aircraft
1F-16C-1-2	Supplemental Flight Manual F-16C/D
1F-16C-2-00FR-00-1	Fault Reporting F-16C/D Aircraft
1F-16C-2-00JG-00-1	Job Guide Index, F-16C/D Aircraft
1F-16C-2-1-1	Cross-Servicing Manual F-16C/D Aircraft
1F-16C-2-94FL-00-1	Fault Isolation Weapons System, F-16C/D Aircraft
1F-16C-2-94GS-00-1	General System Weapons System F-16C/D Aircraft
1F-16C-2-94JG-00-1	Job Guide-Weapon System F-16C/D Aircraft
1F-16C-2-94JG-60-1	Job Guide - Fire Control Sensing System F-16C/D Aircraft
1F-16C-2-94JG-60-2	Job Guide - Fire Control Sensing System F-16C/D Aircraft
1F-16C-2-94JG-60-3	Job Guide - Fire Control Sensing System F-16C/D Aircraft
1F-16C-2-94JG-60-4	Job Guide - Fire Control Sensing System F-16C/D Aircraft
1F-16C-2-94JG-60-5	Job Guide - Fire Control Sensing System F-16C/D Aircraft (New) (Stand Alone LITENING II JG Targeting Pod Removal and Installation, LRU Removal and Installation, Power on Procedures, Ops Checkout, Routine Maintenance)
1F-16C-4-1	Illustrated Parts Breakdown F-16C/D Aircraft F-16C/B Aircraft
1F-16C-4-2	Illustrated Parts Breakdown Numerical Index F-16C/D Aircraft
1F-16C-4-94	Illustrated Parts Breakdown-Weapons, System F-16C/D Aircraft
1F-16C-5-2	Loading Data, F-16C/D Aircraft
1F-16-6	Scheduled Inspection and Maintenance Requirements, F-16C/D Aircraft
1F-16C-6WC-1	Combined Preflight/Postflight, End-of-Runway, Thrufflight, Launch and Recovery, Quick Turnaround, Basic Postflight, and Walk-around Before First Flight of Day Inspection Work cards F-16C/D Aircraft
1F-16C-6WC-1-11	Combined Preflight/Postflight, End-of-Runway, Thrufflight, Launch and Recovery, Quick Turnaround, Basic Postflight, and Walk-around Before First Flight of Day Inspection Work cards (GE-110-GE-100/100B Engine) F-16C/D Aircraft 1F-16C-6-11* Scheduled Inspection and Maintenance Requirements (GE-110), F-16C/D Aircraft
1F-16C-6-11	Scheduled Inspection and Maintenance Requirements (GE-110), F-16C/D Aircraft
1F-16C-21	Aircraft Equipment Inventory List Master Guide
1F-16C-34-1-1	Avionics and Non Nuclear Weapons Delivery Flight Manual, F-16C/D Aircraft
1F-16C-34-1-1CL-1	Avionics and Non nuclear Weapons Delivery Flight Crew Procedures SCU3+ F-16C/D Aircraft
33D5-63-3-21	Operation and Maintenance Intermediate Stores Management System Test Unit
33D5-63-3-24	Illustrated Parts Breakdown Stores Management System

Note: The above is an example of T.O.s requiring change and is not an inclusive list of all F-16 T.O.s affected by ATP.

Attachment 1

Table 2b
Additional TM Type Selections
F-16 Block 50/52 Technical Orders Requiring Change

Technical Order Number	Technical Order Description
1F-16CJ-01	List of Applicable Publications F-16C/D Aircraft
1F-16CJ-06	Aircraft Maintenance Work Unit Code Manual, F-16 C/D Aircraft (Blks 50&52)
1F-16CJ-1	Flight Manual F-16 C/D Aircraft (Blks 50&52)
1F-16CJ-1-1	Flight Manual F-16 C/D Aircraft (Blks 50&52)
1F-16C-1-2	Supplemental Flight Manual F-16C/D (Blks 50&52)
1F-16CJ-2-00FR-00-1	Fault Reporting F-16C/D Aircraft (Blks 50&52)
1F-16CJ-2-00JG-00-1	Job Guide Index, F-16C/D Aircraft (Blks 50&52)
1F-16CJ-2-1-1	Cross Servicing Manual F-16C/D Aircraft (Blks 50&52)
1F-16CJ-2-94FI-00-1	Fault Isolation Weapons System, F-16C/D Aircraft (Blks 50&52)
1F-16CJ-2-94GS-00-1	General System Weapons System F-16C/D Aircraft (Blks 50&52)
1F-16CJ-2-94JG-00-1	Job Guide-Weapon System F-16C/D Aircraft (Blks 50&52)
1F-16CJ-2-94JG-60-1	Job Guide - Fire Control Sensing System F-16C/D Aircraft (Blks 50&52)
1F-16CJ-2-94JG-60-2	Job Guide - Fire Control Sensing System F-16C/D Aircraft (Blks 50&52)
1F-16CJ-2-94JG-60-3	Job Guide - Fire Control Sensing System F-16C/D Aircraft (Blks 50&52)
1F-16CJ-2-94JG-60-4	Job Guide - Fire Control Sensing System F-16C/D Aircraft (Blks 50&52)
1F-16CJ-2-94JG-60-5	Job Guide - Fire Control Sensing System F-16C/D Aircraft (New) (Stand Alone LITENING II JG Targeting Pod Removal and Installation, LRU Removal and Installation, Power on Procedures, Ops Checkout, Routine Maintenance) (Blks 50&52)
1F-16CJ-4-1	Illustrated Parts Breakdown F16C/D Aircraft F-16C/D Aircraft (Blks 50&52)
1F-16CJ-4-2	Illustrated Parts Breakdown Numerical Index F-16C/D Aircraft (Blks 50&52)
1F-16CJ-4-94	Illustrated Parts Breakdown-Weapons, System F-16C/D Aircraft (Blks 50&52)
1F-16CJ-5-2	Loading Data, F-16C/D Aircraft (Blks 50&52)
1F-16CJ-6	Scheduled Inspection and Maintenance Requirements, F-16C/D Aircraft (PW-229) (Blk 52)
1F-16CJ-6WC-1	Combined Preflight/Postflight, End-of-Runway, Thrufflight, Launch and Recovery, Quick Turnaround, Basic Postflight, and Walk-around Before First Flight of Day Inspection Work cards F-16C/D Aircraft (Blk 52)
1F-16CJ-6WC-1-11	Combined Preflight/Postflight, End-of-Runway, Thrufflight, Launch and Recovery, Quick Turnaround, Basic Postflight, and Walk-around Before First Flight of Day Inspection Work cards (GE-110-GE-100/100B Engine) F-16C/D Aircraft 1F-16C-6-11* Scheduled Inspection and Maintenance Requirements (GE-129), F-16C/D Aircraft (Blk 50)
1F-16CJ-6-11	Scheduled Inspection and Maintenance Requirements (GE-129), F-16C/D Aircraft (Blk 50)
1F-16CJ-21	Aircraft Equipment Inventory List Master Guide (Blks 50&52)
1F-16CJ-34-1-1	Avionics and Non Nuclear Weapons Delivery Flight Manual, F-16C/D Aircraft (Blks 50&52)
1F-16CJ-34-1-1CL-1	Avionics and Non nuclear Weapons Delivery Flight Crew Procedures SCU3+ F-16C/D Aircraft (Blks 50&52)
33D5-63-3-21	Operation and Maintenance Intermediate Stores Management System Test Unit
33D5-63-3-24	Illustrated Parts Breakdown Stores Management System

Note: The above is an example of T.O.s requiring change and is not an inclusive list of all F-16 T.O.s affected by ATP.

Public reporting burden for this collection of information is estimated to average 440 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 D.C. 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY: TOP TM OTHER				
D. SYSTEM/ITEM ATP		E. CONTRACT/PR NO. F33857-01-D-2029		F. CONTRACTOR LOCKHEED MARTIN				
1. DATA ITEM NO. A023	2. TITLE OF DATA ITEM MANAGEMENT PLAN			3. SUBTITLE DEPOT PARTNERING				
4. AUTHORITY (Data Acquisition Document No.) DI-MGMT-80004/T		5. CONTRACT REFERENCE SOW PARA. 1.2.1.2		6. REQUIRING OFFICE ASC/FBL LOG.				
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED E	10. FREQUENCY ONE/R	12. DATE OF FIRST SUBMISSION BLOCK 18	14. DISTRIBUTION				
8. APP CODE A		11. AS OF DATE BLOCK 18	13. DATE SUBSEQUENT SUBMISS BLOCK 18	a. ADDRESSEE		b. COPIES		
16. REMARKS BLOCK 4: DID IS TAILORED AS FOLLOWS: a. DELETE PARAGRAPH 10.3.6 IN ITS ENTIRETY. b. DELETE PARAGRAPH 10.3.7 b. BLOCKS 11, 12, & 13: DRAFT SHALL BE SUBMITTED NO LATER THAN ONE HUNDRED TWENTY (120) DAYS AFTER CONTRACT AWARD. FINAL SHALL BE SUBMITTED NO LATER THAN SIXTY (60) DAYS AFTER GOVERNMENT'S APPROVAL OF DRAFT. THE DATA SHALL BE SUBMITTED IN ELECTRONIC FORMAT. NOTE: THE PLAN SHALL ADDRESS AND PROVIDE MEANS FOR THE GOVERNMENT TO ENTER INTO A CONTRACTUAL AGREEMENT FOR DEPOT PARTNERING.								
				ASC/FBL-1		Draft	Reg	Form
				WR-ALCAYTSA		1	1	0
				DCMC		0	1	0
				TOTAL		2 3 0		
G. PREPARED BY TERRY LAMBERT ASC/FBLE		H. DATE 9/20/2001		I. APPROVED BY SHIRLEY MORRISON ASC/FBL PROGRAM MANAGER		J. DATE 9/20/2001		

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CONTRACT DATA REQUIREMENTS LIST

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 440 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 D.C. 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP TM OTHER	
D. SYSTEM/ITEM ADVANCED TARGETING POD	E. CONTRACT/PR NO. F33857-01-D-2029	F. CONTRACTOR LOCKHEED MARTIN	

1. DATA ITEM NO. B003	2. TITLE OF DATA ITEM AUTOMATED COMPUTER PROGRAM	3. SUBTITLE IDENTIFICATION NUMBER (ACPIN)		
4. AUTHORITY (Data Acquisition Document No.) DI-MISC-81454A		5. CONTRACT REFERENCE SOW PARA. 1.1.1		6. REQUIRING OFFICE ASC/FBL CM
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY ASGEN	12. DATE OF FIRST SUBMISSION BLOCK 16	14. DISTRIBUTION b. COPIES
8. APP CODE A		11. AS OF DATE	13. DATE SUBSEQUENT SUBMISS BLOCK 16	

16. REMARKS	a. ADDRESSEE		
	Draft	Final	
		Reg	Pages
CPIN REQUESTS AND CPIN UPDATES SHALL BE IAW AF TECHNICAL ORDER CO-3-16 FOR COMPLETION OF AF FORM 1243 AT AF FORM 1243 AF FORM 1243 ONLY REQUIRED CONTINUATION DATA	0	1	1
	0	1	1

BLOCK 10: 180 DAYS ARE REQUIRED FOR AIR FORCE ASSIGNMENT.
EMERGENCY CPIN ASSIGNMENTS MAY BE VERBALLY REQUESTED AND FOLLOWED UP BY FORMAL CPIN REQUEST.
DOCUMENTS TO BE SUBMITTED SEPARATELY FOR EACH CSCI AND FOR EVERY COMBINATION THAT IS INSTALLED.

BLOCKS 12 & 13: REQUESTS FOR CPINS SHALL BE SUBMITTED FOR EACH CPCI AND/OR CSCI THAT DOES NOT HAVE A CPIN ASSIGNED 180 DAYS PRIOR TO ESTABLISHMENT OF SOFTWARE BASELINE. UPDATES SHALL BE SUBMITTED AS REQUIRED FOR EACH CPCI AND/OR CSCI REVISION.

NOTE: DATA TO BE DELIVERED ON ELECTRONIC MEDIA, FORMAT TO BE APPROVED BY THE GOVERNMENT.

TOTAL	0	2	2
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G. PREPARED BY TERRY LAMBERT ASC/FBL	H. DATE 10/31/2001	I. APPROVED BY SHIRLEY MORRISON, PROGRAM MA ASC/FBL	J. DATE 10/31/2001
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2.1.1.1 CONTINUATION OF DD FORM 1423 (DI-DRPR-81000A/T) Dated 5 Feb 2001

BLOCK 4:

DI-DRPR-81000A is tailored as follows:

- a. Paragraph 7.1, delete in its entirety.
- b. Paragraph 10.1, delete in its entirety and replace with "10.1 Reference Documents. The applicable documents apply as cited in the DD Form 1423 and continuation sheets."
- c. Paragraph 10.2, delete "Product drawings and associated lists shall meet the requirements of MIL-DTL-31000A".
- d. Delete Paragraph 10.3 in its entirety and replace with "10.3 Drawing Forms. The contractor shall utilize their own forms for Product Drawings and Associated Lists, which meet the requirements of ANSI Y14.1. (The government does not furnish forms for drawing formats)"
- e. Paragraph 10.4, delete "Product Drawings and Associated Lists shall conform to the requirements of ASME Y14.100M, ASME Y14.34M and, where DoD peculiar requirements must be met, MIL-STD-100" and replace with "Product Drawings and Associated Lists shall conform to the requirements of MIL-STD-100F, ASME Y14.24, ASME Y14.35M, ASME Y14.34M and DD Form 1423."
- f. Paragraph 10.6, delete "Selection Work Sheet incorporated in the contract or purchase order." and replace with "DD Form 1423."
- g. Paragraph 10.7, delete "The Selection Work Sheet incorporated in the contract or purchase order will specify whether the contractor or the Government is responsible for selecting the types of drawings and lists." and replace with "The contractor is responsible for selecting the types of drawings and lists."

BLOCK 9:

DISTRIBUTION STATEMENT. Distribution statements shall be in accordance with DoD Directive 5230.24 and included on the first sheet of each drawing near the title block, and shall be as follows:

"DISTRIBUTION STATEMENT D. Distribution authorized to the DoD and DoD contractors only; Critical Technology; 13 October 2000. Other requests shall be referred to WR-ALC/LYTSA."

Note: Certain types of technical data preclude placing the entire notice on the document. To accommodate this problem an abbreviated version is authorized as follows:

"Statement D, DoD and Contractors, WR-ALC/LYTSA"

EXPORT CONTROL NOTICE. The Export Control Notice shall be in accordance with DoD Directive 5230.24.

DESTRUCTION NOTICE. Mark documents with one of the following:

- a. For unclassified limited documents: "DESTRUCTION NOTICE. Destroy by any method that will prevent disclosure of contents or reconstruction of the document."

b. For classified documents: "DESTRUCTION NOTICE. Follow the procedures in DoD 5220.22-M, *Industrial Security Manual*, section 11-19, or DoD 5200.1R, *Information Security Program Regulation*, chapter IX."

BLOCK 10: Revisions/changes to the final delivered data shall be furnished quarterly, commencing the first quarter after destination acceptance of the final reproducible data and continue until the contract is closed. Quarterly updates shall include an updated IDL, reference A.F. Drawing 9579776. Negative shall be submitted to ASC/FBLE.

BLOCK 11: 15 days before the end of the quarter.

BLOCK 12 AND 13:

1.1.1 1. All data submittals shall contain a shipping list prepared to include as a minimum, the document number, revision level, and number of sheets/pages. Part number, noun and drawing size is optional. The data delivered shall be in the same sequence as the shipping list. Unless prior approval is granted by ASC/FBLE, shipments of data must be for complete assemblies, i.e., LRU's and SRU's. Shipping list shall specify whether the shipment is updates, final or make-up.

2. When a specific revision of an engineering document has been previously furnished and approved by a USAF Engineering Data Repository in microfilm or digital form as a result of any government contract, and is required by this DD Form 1423, the same data shall not be resubmitted providing it meets the requirements in the DD Form 1423 for existing data. This data shall be identified as being previously submitted and approved and shall include the document number, revision, and contract number under which the data were submitted. The receiving USAF Engineering Data Repository shall be identified. This action is required concurrent with all submittals.

3. Within 90 days after successful government verification of the final Qualification Test and Evaluation (QT&E), an Indentured Data List (IDL) per Air Force (CAGE 98752) drawing 9579776 shall be delivered.

4. Within 90 days after successful government verification of the final QT&E, one set of paper copies of all "final reproducible data" (reference Block 14 of the DD 1423) shall be delivered. A letter of transmittal shall accompany submittal. Paper copy submittal will be reviewed within 120 days after receipt of data, unless additional time is required, at which time the contractor will be notified.

a. Submittal of programming files, per Air Force (CAGE 98752) drawing 9579776, Software and Firmware Data is not required for this (paper) submission.

b. Concurrent with the paper copies the contractor shall submit four (4) representative samples of each digital data format per Air Force (CAGE 98752) drawing 9579776, (Native, Neutral, HPGL, Drawing Metadata Spreadsheet, etc.).

5. Within 60 days after approval of paper copy, one set of all "final reproducible data" (reference Block 14 of the DD 1423) shall be delivered to ASC/FBLE, 420 Second Street Suite 100, Robins AFB GA 31098-1640. If changes have been required to the IDL since delivery in 3 above, resubmittal shall be required.

BLOCK 16:

1. Contractor Activity and Part Identification: The contractor shall use his own design activity identifier (CAGE) and shall assign his own design activity drawing numbers. This number shall be or shall include the drawing number on which the item is described. Where more than one item is described on a drawing, unique identification shall be provided by the addition of a suffixed dash number with the following limitations:

a. The total length of the part number including dash numbers and spaces shall not exceed 32 characters.

b. The dash number shall have the same characteristics as drawing numbers and may be composed of numbers, letters, or any combination thereof.

c. Part numbers shall not include the drawing revision letter, the contractor CAGE, or the drawing format size letter.

2. Content, format, and media requirements for delivery of Digital Engineering Data: The contractor shall comply with Air Force (CAGE 98752) drawing 9579776.

3. Engineering Data: Product Drawings and Associated Lists shall document complete item design and manufacturing processes necessary to obtain and test hardware to the lowest component part that can be procured as a separate entity. This includes but is not limited to special tooling, interface hardware, special test equipment, and support equipment.

4. Relationship of Contractor with Subcontractors/Vendors: The contractor shall levy on subcontractors/vendors the same requirements for Technical Data Packages (TDPs) as are levied on them by this contract. This requirement shall be flowed down to the lowest tier subcontractor/vendor associated with the program.

5. Order of Preference:

Priority I

Documents mandated for use by law or regulation pursuant to law.

Priority II

Performance Oriented Documents: (a) Non-Government Standards; (b) Commercial Item Descriptions; (c) Federal Specifications and Standards; (d) Military Specifications and Standards.

Priority III

Design Based Documents: (a) Non-Government Standards; (b) Federal Specifications and Standards; (c) Military Specifications and Standards

Priority IV

Standards, specifications and related publications issued by the Government outside the military or federal series for the non-repetitive acquisition of developmental items.

Priority V

Company Specifications

6. ENGINEERING DRAWING PRACTICES: The contractor shall use the practices described in MIL-STD-100F. For clarification the documents listed in paragraph 2 of MIL-STD-100F shall be considered first tier and shall apply. ANSI Y14.1 is tailored as follows: Para 7.1, remove "should", and add, "shall". Paragraph 12.2 add, "Sheets shall be numbered beginning with one (1) and continue, using consecutive whole integers." The contractor may find it useful to incorporate the concepts of MIL-HDBK-288 into the preparation of the TDP. MIL-HDBK-288 refers to Engineering Drawing Package (EDP); this term shall be considered synonymous with TDP.

7. Source Control Drawings: Source Control Drawing Approval Requests shall be submitted. The request (letter) shall be submitted to the requiring office in Block 6 of this DD Form 1423 prior to the preparation or use of a Source Control Drawing. The letter shall be marked with Distribution Statement "A" in accordance with DoD-D-5230.24. Preparation instructions are as follows:

a. Format - The Source Control Drawing Approval Request shall be in the contractor's format.

b. Content - The request shall specify the following:

- (1) Nomenclature and description of the item.
- (2) The critical application (s) for which the item is to be used.
- (3) Number of applications per end item.
- (4) Item status as a repair part.
- (5) System performance requirements requiring source qualification.
- (6) Procedures and criteria required to qualify a source.
- (7) Sources of supply and manufacturers' part numbers.
- (8) Cost of the item involved.
- (9) Estimated cost to qualify a source.
- (10) Impact on contract cost, schedule and performance if use of source control drawing is not permitted.
- (11) Copy of the Non-standard part approval request, if the DoD Parts Control Program is applicable under the contract or purchase order.

8. Control Drawings: The contractor shall not identify his own company as a source on control drawings, unless one additional source is also shown. A separate division of the contractor's company, with a different manufacturers code (CAGE) may be shown, if it is actually a source. Control drawings not developed for this contract (existing drawings) shall be updated, to show current information (i.e., performance/qualification requirements, vendors/sources names and part numbers).

9. Existing Data: When existing data meets the following criteria, or will be modified or revised to meet the following criteria, it shall be used in lieu of preparing new data:

- a. It is furnished with rights-in-data consistent with the contract stipulations regarding data rights;
- b. It is furnished at a cost to the government equal to or less than preparing new data;
- c. It meets the highest quality of legibility and reproducibility available in the commercial world. (Reproduced paper copies shall be direct reading and shall not require magnification).
- d. It meets the design disclosure requirements of the TDP element of which it is to be a part of.
- e. It is identified by a Commercial and Government Entity (CAGE) Code, document number, title and applicable contract number(s).
- f. Any nonstandard symbols, drawing or documentation practices used are explained in the document or in a document referenced on the document containing the nonstandard symbol or practice.

10. Legibility and Reproducibility: All documents prepared or submitted shall meet the highest legibility and producibility requirements available in the commercial market controlling the media in which the data is to be delivered.

11. Parenthetical Information: Design activity identifying numbers may be referenced parenthetically to identify in-house peculiar documents (documents not necessary for the production and quality of the item). Parenthetically identified documents are not a required deliverable; however, if the government deems this document necessary, it shall be delivered. Engineering drawings and Part Lists (PL) using parenthetical identification shall carry a note thereon indicating parenthetical identities are for reference only.

12. Referenced Documents: Documents referenced in a TDP shall be furnished as an integral part of that TDP except where the documentation meets the requirement of the paragraph titled Existing Data above, and has been furnished and approved under a previous contract in the same revision to any USAF repository. When first tier references do not provide the technical information required by the TDP element, subordinate reference documents shall be provided until the design disclosure requirements are met. Technical manuals/orders, procedural manuals, and maintenance manuals shall not be referenced within the TDP. When information essential to meeting TDP design disclosure requirements (such as default surface finish values) are contained in such documents, that information must be incorporated in a document acceptable for inclusion in the TDP.

13. Protecting Classified Information: TDPs or parts thereof, containing classified information shall be protected and marked in accordance with the Department of Defense Industrial Security Manual for Safeguarding Classified Information, DoD Manual 5220.22-M.

14. Contract Numbers: When a TDP document is prepared under a Government contract, the Government contract number under which it is prepared shall appear on the first sheet of the document original. When a TDP document is delivered under a Government contract other than the one under which it was prepared, the Government contract number under which it is delivered shall also appear on the first sheet of each copy submitted. If the document is prepared and submitted under the same contract, only the entry for the contract under which it is prepared is required.

15. Application of Contract Numbers: When TDP documents or copies thereof are to be delivered under a subsequent or other contract, cost effective techniques may be used to apply the delivery contract numbers. Examples of such techniques are using a rubber stamp for paper copies, photographic overlays for microfilm, or electronic application to digital data.

16. Application Block: All new and revised drawings shall contain an Application Block. The Application Block is mandatory for all drawings. The Application Block shall be near the Title Block. The Application Block shall show the "Next Assembly" and "Used On". When an item is used in more than three applications, the entry "general usage" may be used.

17. Environmental Stress Screening (ESS): TDP documents shall contain ESS criteria, and the implementation of that criteria, necessary to ensure system performance at design levels directly or by reference on TDP elements.

a. Selected item drawings are required for all items and assemblies that require the application of ESS selection criteria to meet system requirements. The TDP element shall define, directly or by reference, the ESS selection criteria applied to the item or assembly identified.

b. Incoming ESS inspection procedures used on materiel/items which do not require selected item drawing delineation shall be required directly or by reference on the TDP element identifying that materiel/item.

c. Any ESS utilized during manufacturing/production in addition to the selected item ESS or incoming inspection criteria shall be required either directly or by reference on applicable TDP documents.

18. Tractability: The contractor shall prepare the TDP in such a manner to insure that all applicable documents i.e., Artwork, Schematics, and Test Criteria, etc., are referenced within the TDP for traceability.

19. Preparation Method: American English language shall be used in the preparation of this TDP. All drawings shall be prepared using Third Angle Orthographic Projection method of presentation. The symbol for angle of projection shall be delineated in the Title Block of newly prepared or revised engineering data. (see ANSI Y14.3 figure 2).

20. TDP Validation: The contractor shall validate that the TDP and elements thereof conform to the contractual requirements, and that they accurately depict the item(s) developed, modified, or produced under the contract. Successful use of the TDP in producing, inspecting and testing the item(s) is considered acceptable evidence that the validation requirement has been met.

21. Test Criteria: Test criteria are an inherent part of the TDP. Test criteria shall be incorporated, either directly on each TDP document or by reference, for each end item, top assembly item, configured item, and lowest assembled item IAW Air Force (CAGE 98752) drawing 9579777, titled "Clarification of Detailed Test Criteria for Electrical and Avionics Items.

22. Associated Lists: Parts Lists per ASME Y14.34M-1989 are required. Parts Lists are required at assembly level. Parts Lists for Contractor Activity identifier CAGE code may be an integral part of a document or it may be a separate document. An Indentured Data List at top assembly/system level is required per Air Force (CAGE 98752) drawing 9579776.

23. Software and Firmware Documentation: Software and Firmware documentation is to be delivered as a part of this data requirement per Air Force (CAGE 98752) drawing 9579776.

24. Marking: Drawings shall specify requirement for marking part number identification on items as required by MIL-STD-130. The drawings shall identify the method and location of marking on the part.

25. Engineering Data Updates and Revisions: The contractor shall (and shall cause subcontractors and vendors to) update and maintain engineering data for the item(s) designed/ developed/modified/produced by this contract for the life of this contract and shall incorporate all changes in accordance with the following:

a. All engineering changes shall be incorporated into the applicable engineering data within 90 days after engineering release/Government concurrence or at intervals of five changes, whichever occurs first, except a change involving safety, which shall be incorporated immediately.

b. All engineering changes shall be incorporated into the applicable engineering data prior to delivery of preliminary data for review.

c. All engineering changes shall be incorporated into the applicable engineering data prior to delivery of final media (this includes all EO's generated as a result of the preliminary data review).

26. Contractor Quality Control System: The contractor shall develop and maintain a quality control system for the detailed examination and technical review of the TDP, to be supplied under the terms of the contract or purchase order. The quality control system shall assure conformance of the TDP to all requirements specified herein. The quality control system shall be documented and subject to review by the Government's representative. If the contractor's methods and procedures do not comply with the quality control system or do not attain their objectives, the quality control system shall be subject to disapproval by the Government.

27. TDP Quality Control System Requirements: The contractor's quality control system shall address:

a. The methods and procedures to be used to control the development, maintenance and delivery of the TDP, including the use of electronic approvals or authorizations, if applicable.

b. Assignments of responsibilities and procedures for the detailed examination, review and final approval of the TDP by the contractor.

c. Qualifications of the personnel performing the examinations and reviews of the TDP.

d. Procedural flow of information and documentation within the organization for the development, review and approval processing of the TDP and components thereof.

e. Procedures for ensuring that nonstandard items used in the design have been documented as required for the TDP.

f. Methods of ensuring that approved engineering changes have been incorporated into the TDP in accordance with contract requirements.

g. Procedures for ensuring that security markings, distribution statements, and right-in-data legends are assigned and applied in accordance with applicable specifications, standards, regulations and public laws.

h. Methods of detecting, correcting, and preventing the recurrence of deficiencies with the TDP and discrepancies between the elements and components thereof.

28. Inspection of TDP: The TDP components thereof, including data prepared by subcontractors, shall be inspected for the following:

a. Compliance with the requirements of this contract.

b. Inclusion of all documents, including sub-tier references, required to meet the design disclosure requirements of the TDP, except those already furnished to the government as referenced in paragraph above titled "Referenced Documents".

29. In-Process Review (IPR) of the TDP (Engineering Data IPT Review): The contractor shall host, support, and co chair (at his facility) an IPR of the engineering drawings and associated lists and other documentation to be included in the TDP. The contractor will have a copy of all data available at IPR. The IPR will be conducted only after the contractor's quality assurance personnel have completely reviewed the data and determined that data are of sufficient quality that Government time will be effectively utilized during the review. IPRs shall be scheduled when data has reached the 30%, 50%, and 80% percent completion points and shall be held when possible, in conjunction with other reviews (i.e., PDR, CDR). The contractor shall notify ASC/FBEE a minimum of 30 days prior to the anticipated date of completion point. The IPR shall focus on the contractor's progress in the preparation of the TDP. The contractor shall support and provide the necessary resources, i.e., meeting agenda, conference room, applicable data, minutes, and appropriate personnel available to answer any questions to perform the IPR effectively. The contractor shall correct all discrepancies identified in the IPR. All subcontractor/vendor data shall be made available for review. If quantity is sufficient, the Government may schedule a separate IPR at the subcontractor's/vendor's facility.

30. Engineering Data Guidance Conference (Engineering Data Post Award IPT Meeting): The contractor shall support and co chair a Guidance Conference for engineering data within 60 days after contract award. The Conference shall be convened at a site and on a date agreed upon by the Government contracting officer and the contractor. The contractor shall prepare an agenda and record the minutes of the Guidance Conference. The contractor shall address, discuss, and provide status on the following: [DI-ADMN-81249, DI-ADMN-81250]

a. Understanding of all CDRL requirements, applicable DIDs, specifications and standards.

b. TDP review requirements and schedules.

c. TDP delivery requirements and schedules.

d. Contractor's drafting practices/procedures/TDP drawing formats.

e. The contractor's quality assurance procedures relating to TDP documents, including quality control of subcontractor and vendor data.

f. The role of subcontractors and vendors who may deliver TDP documents under this contract.

g. The contractor's configuration management system, including methods for releasing documents, approving documents, and incorporating changes into documents.

h. Digital Technical Data Package (TDP) deliverables.

31. Printed Board Artwork Master Drawing. The printed board artwork master drawing shall include images of all artwork required to manufacture the printed board. These images will serve as a referenced to those images produced from the Gerber data files IAW Air Force drawing 9579776 (CAGE 98752), titled "Digital Data Description Requirement". This requirement is in addition to those in ASME Y14.24M and other related standards.

32. Restrictions:

a. Wiring whose jacket or insulation material that contains Polyvinyl chloride (PVC) or other potentially corrosive elements shall not be used for Air Force aerospace equipment. This encompasses multiconductor cable, internal hookup wire, and interconnection cable and wire. Use of PVC in any other application requires prior approval from the office identified in block 6 of this DD Form 1423.

b. MIL-W-16878 shall not be used for Air Force aerospace equipment.

c. Wiring whose jacket or insulation material that contains Aromatic polyamide film shall not be used.

CONTRACT DATA REQUIREMENTS LIST

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 440 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 D.C. 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

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

D. SYSTEM/ITEM
ADVANCED TARGETING POD **E. CONTRACT/PR NO.**
F33657-01-D-2029 **F. CONTRACTOR**
LOCKHEED MARTIN

1. DATA ITEM NO.
B007 **2. TITLE OF DATA ITEM**
LOGISTICS MANAGEMENT INFORMATION **3. SUBTITLE**
(LMI) DATA PRODUCT SUMMARIES

4. AUTHORITY (Data Acquisition Document No.)
DI-ALSS-81529 **5. CONTRACT REFERENCE**
SOW PARA. 3.2 **6. REQUIRING OFFICE**
ASC/FBL LOG.

7. DD 250 REQ DD	9. DIST STATEMENT REQUIRED A	10. FREQUENCY BLK16	12. DATE OF FIRST SUBMISSION BLOCK 16	14. DISTRIBUTION		
8. APP CODE		11. AS OF DATE BLOCK 16	13. DATE SUBSEQUENT SUBMISS	b. COPIES		
				a. ADDRESSEE	Final	
					Draft	
					Reg	Repro
					LT	0

16. REMARKS

A. LMI SUMMARY worksheet FOR PTD (ATCH 1).

B. THE PRIME PROVISIONING ACTIVITY (PPA) FOR THIS EFFORT IS WR-ALC/TILPB;
MAILING ADDRESS IS:
WR-ALC/TILPB
420 RICHARD RAY BLVD
SUITE 100
ROBINS AFB, GA
31098-1640

C. SPECIFIC SUMMARIES TO BE DELIVERED ON THIS CONTRACT SHALL BE:
(1) X Provisioning Parts List (PPL) Topdown Sequence
(2) Short Form Provisioning Parts List (SFPPL)
(3) Common and Bulk Items List (CBIL)
(4) X Design Change Notices (DCN)
(5) X Statement of Prior Submission (SPS) Hard Copy Only
(6) Long Lead Items List (LLIL) Select one of the following:
X LLIL-SAIP (Items recommended for Spares Acquisition Integrated with Production and not later than 165 days prior to Contractor's order need date or as determined at the PGC).
LLIL -Interim Release (Items interim released by the contractor when interim release is authorized by the contract.
X LLIL - Recommended (Items recommended as LLIL)>

D. BLOCKS 10, 11 & 12:
(1) PPL, SFPPL, LLIL, CBIL: Date to be established at the Provisioning Guidance Conference (PGC) and reflected on AFMC Form 718 (ATCH 1) to initial Provisioning Performance Specification (IPPS).
(2) DCN: See paragraph 10.54 of IPPS.

G. PREPARED BY TERRY LAMBERT ASC/FBL	H. DATE 10/31/2001	I. APPROVED BY SHIRLEY MORRISON, PROGRAM MA ASC/FBL	J. DATE 10/31/2001
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PROVISIONING STATEMENT OF WORK (SOW)

Contractor shall identify and recommend logical spare/repair parts sufficient to meet system/equipment operation and supportability in accordance with the Air Force Initial Provisioning Performance Specification (IPPS). MIL-PRF-49506 should be used as a guide. Format must be consistent with existing government Provisioning data system (D220). The following Data Item Descriptions (DIDs) apply: DI-ALSS-81529 Provisioning Parts List - PPL, Design Change Notices - DCNs, Spares Acquisition Integrated with Production (SAIP), Long Lead Items List - LLIL, Statement of Prior Submission - SPS; DI-ALSS-81557 Supplemental Data for Provisioning - SDFP; DI-ALSS-81530 Support Equipment Recommendation Data - SERDs.

ATCH 2 TO CDRL SEQ. NO. B007 (PAGE 1 OF 1)
LMI DATA PRODUCTS WORKSHEET

1. **SUMMARY TITLE: SUPPLY SUPPORT**
 - 1.1 Summary Sub-title: PROVISIONING TECHNICAL DOCUMENTATION (PTD)
2. **SPECIFIC INSTRUCTIONS:** Types of PTD which may be required are listed below and will be specified on the Contract Data Requirement List (CDRL) for DI-ALSS-81529.
 - 2.1 **PROVISIONING PARTS LIST (PPL):** Defined as Hardware Breakdown in MIL-PRF-49506 Para 6.5.7.
 - 2.1.1 PPL will also include all repairable contractor off the-shelf (COTS) items as a one line entry unless excluded by the PPA.
 - 2.1.2 PPL will not include a breakdown of government furnished equipment unless specified otherwise by the PPA, but shall be listed as a one line entry on the PPL.
 - 2.2 **COMMON AND BULK ITEMS LIST:** Hardware items such as common nuts, bolts, screws, keys, washers, and fittings, except those of special design. The CBIL can also contain bulk items such as electrical wire and cable, gasket material, tubing, hose, adhesives, paints, oil, grease, solvents, and metal stock (such as rods and sheets). **WHEN THE PPL IS A REQUIREMENT, ALL HARDWARE ITEMS WILL APPEAR ON THE PPL, NOT ON THE CBIL.**
 - 2.3 **DESIGN CHANGE NOTICE (DCN):** Identify changes to PTD which add to, delete, supersede, or modify items previously listed which are approved for incorporation into the end item, which result from an engineering change requiring approval by a configuration authority. ~~Administrative Change Notices (ACNs) are changes that do not result from an engineering change (ex: typo, additional source, etc.)~~
 - 2.4 **LONG LEAD TIME ITEMS LIST (LLTIL):** List of those items which, due to their complexity of design, complicated manufacturing process or limited production, require early ordering to ensure adequate delivery schedules.
 - 2.5 **SHORT FORM PROVISIONING PARTS LIST (SFPPL):** Identify only those support items recommended for maintenance of the end item, component or assembly.
 - 2.6 **STATEMENT OF PRIOR SUBMISSION (SPS):** Certify that the contractor/subcontractor has previously furnished the Government Provisioning Technical Documentation (PTD) which may satisfy the PTD requirements of this contract.
3. **DATA IN LMI SPECIFICATIONS:** Refer to Initial Provisioning Performance Specifications (IPPS), LMI Data Product Selection Sheet (Atch 2).
4. **DATA NOT IN LMI SPECIFICATION:** Refer to IPPS, Atch 2 Notes.
5. **SUMMARY LAYOUT:** Government Provided. Refer to IPPS, Atch 3.

AIR FORCE
INITIAL PROVISIONING PERFORMANCE SPECIFICATION (IPPS)
1 AUGUST 1997

(END ITEM: ADVANCED TARGETING POD)

1. **Initial Provisioning Performance Specification (IPPS).** This document provides specifications for contractor's use in submitting Provisioning Technical Documentation (PTD) compatible with the AFMC D220 Provisioning System and participating in the provisioning process with the Government.

1.1 **Initiator and Prime Provisioning Activity (PPA):**

WR-ALC/TILPB
420 Richard Ray Blvd.
Robins AFB GA 31098-1640

1.2 **Data of Initiation: 16 October 2000. Revision # and Date.**

2. **Correspondence:**

- 2.1 Address all correspondence pertaining to spare/repair parts provisioning and related data items to the PPA.
- 2.2 The PPA shall be the sole Government activity with which the contractor interfaces on initial provisioning matters, unless specifically authorized by the PPA. Pursuant to paragraph 2.1 and this paragraph, correspondence from the PPA shall be accepted and all provisioning actions therein accomplished unless otherwise directed by the Principal Contracting Officer (PCO).

3. **Conferences.**

- 3.1 Provisioning Guidance Conference (PGC) at the PPA is required. Contractor must submit a written request for waiver of the conference to the PPA if a PGC is not desired.
- 3.2 Spares Provisioning Conference (SPC) requirements will be determined at the PGC.
- 3.3 A sample article of the component/end item is required at the SPC. If required, sample article will be disassembled at the conference.

4. **Spares Acquisition Integrated with Production (SAIP) is applied.** When applied, employ the concept of a concurrent release of spare orders with identical production installs. If not formally applied, any opportunity to combine spares orders with production installs to lower costs should be exploited.

5. **Manufacturers or Commercial Manuals are required.** When required, furnish a manufacturer's or commercial manual to supplement to Short Form Provisioning Parts Lists (SFPPL) or Provisioning Parts Lists (PPL) that have embedded Commercial Off-the-Shelf (COTS) equipment. All publications prepared and printed without regard to Government format and outline but which include a parts list will be acceptable as a manufacturer or commercial manual for the purpose of this requirement. This requirement applies only to available manuals for the end item or components thereof. No manuals will be developed to satisfy this requirement.

6. **Interim Release (IR) is not authorized.**

Statement of Prior Submission (SPS) is required where applicable. The SPS is submitted to certify that the contractor/subcontractor has previously furnished the Government PTD for the end item or any component thereof which may satisfy the PTD requirements of this contract. The SPS will include identifying information (current procurement or previous submission) such as contract number, contract/exhibit line item number, end item/component type or model number/reference number, item name, manufacturer's name and Commercial and Government Entity Code, PPA receiving the PTD and date prepared, NSN (if available) and other information as required by the PPA. If the Government determines that the previously submitted data is adequate, the SPS may result in reduction or elimination of PTD and Supplemental Data for Provisioning requirements specified on DD Form 1423 and conference requirements.

7. **Provisioning Performance Schedule (PPS), AFMC Form 718.** PPS (Atch 1) will be developed by PPA and Contractor at the PGC.

9. **Supplemental Data for Provisioning (SDFP).** For provisioning purposes, SDFP order of precedence shall be:
- 9.1 Data equivalent to approved product engineering drawings.
 - 9.2 Data equivalent to in-processing/incomplete product engineering drawings.
 - 9.3 Commercial drawings
 - 9.4 Commercial manuals, when required to provide information on a commercial assembly.
 - 9.5 Catalogs or catalog descriptions.
 - 9.6 Sketches or photographs with brief descriptions of dimensional, material, mechanical, electrical, or other descriptive characteristics. When sketches or photographs are provided for an assembly, a bill of material shall also be provided.
10. **Design Change Notices (DCN):** DCNs will include all changes required to an item previously presented to align spares support with actual production items. Unless specifically instructed otherwise by the PPA, the contractor shall notify the PPA of any and all changes whether of a production or modification type which are approved for incorporation into the system/equipment furnished under the contract. DCNs are to be accomplished by applicable SDFP.
- 10.1 Changes resulting from omission or correction of data previously submitted are considered administrative changes. This type of change may be submitted in non-standard PTD formats to include business letter, computer lists, etc., as directed by the PPA at the PGC.
 - 10.2 ~~Reference Number Changes. Reference numbers are not to be rolled or changed unless specifically allowed by applicable specifications. New design numbers are not to be assigned strictly for administrative or manufacturing purposes, or to facilitate the production control process.~~
 - 10.3 Reference Items. Submit DCNs against the first appearance items, unless specifically instructed otherwise by the PPA.
 - 10.4 DCNs to document changes made during the provisioning process by the Government to previously submitted PTD shall not be submitted.
 - 10.5 **Procurable Type Items.** DCNs for procurable type items are required to be submitted within in twenty-one (21) days after release for fabrication of procurement for prime contractor design items and forty-two (42) days after release for fabrication and procurement of subcontractor supplied items.
 - 10.5.1 DCNs Requiring Revision to Provisioned Item Orders (PIO). When a design change affects any part ordered by the government, the contractor shall take immediate action to affect the following revisions and incorporate the results on DCNs for approval:
 - 10.5.1.1 Deletions. When a design change reduces or eliminates spare/repair parts requirements for the end item/component, the contractor shall delete or reduce such requirements originally ordered by PIO in the ratio authorized by the program data applicable to the end item on order that are affected by the DCN.
 - 10.5.1.2 Adjustments. When a spare/repair part previously ordered by the Government is replaced by another item, and the replacing part is not stocklisted, the contractor shall fabricate or procure the new item in the same ratio as the number of end items/components affected by the change not to exceed the amount funded for affected items. When the adjustments requires an increase in the total quantity recommended or additional items of support, the increase will be recommended by the contractor in accordance with program data provided by the PPA.
 - 10.6 Nonprocurable Type Items. When required by the PPA, design change data for nonprocurable type items (items not coded as spares) (Source, Maintenance, Recoverability (SMR) Code first position X, A, M, K) will be prepared in accordance with instructions from the PPA. Submittals will be within sixty (60) days after release for fabrication or purchase.
11. **PTD Submittal Specifications.** The following paragraphs provide specifications for submission of PTD by multiple card image on tape, 3.5 floppy disk, CD Rom or E-Mail to be compatible with the AFMC Automated Provisioning System (hereafter referred to as the D220 System). Strict adherence to these instructions must be applied to ensure PTD is accepted by the D220 system. Data elements to be included in the PTD are reflected in attachment 2.

11.1 **Media:** Multiple card image records, 1600 Bits Per Inch (BPI) using Extended Binary Coded Decimal Interchange Code (EBCDIC), Odd Parity. Records are 80 characters long blocked by 37 records (2960 character block). Tape submittals require American National Standards Institute (ANSI) labels. Paragraphs 11.2 through 11.2.6 apply.

11.2 **Labels:** Internal standard tape label is required. A standard label is the ANSI computer operating physical tape initialization structure that is generated when a tape is initialized or formatted and is not part of the data file.

1.2 NOTE: For definitive instructions on labels see the ANSI. Failure to comply with ANSI will prevent D220 system acceptance of PTD.

11.2.1 In Volume Header Label

11.2.1.1 Position 1 through 4 enter: VOL1

11.2.1.2 Position 5, enter: P

11.2.1.3 Position 6 through 10 enter: Contractor's Commercial and Government Entity (CAGE) code.

11.2.1.4 Position 11 through 80: Leave blank.

11.2.1.4.1 Inter record gap.

11.2.2 In first File Header label:

11.2.2.1 Positions 1 through 4 enter: HDR1.

11.2.2.2 Position 5 through 8 enter: D220

11.2.3.3. Position 9 enter: a period

11.2.3.4 Position 10 through 20 enter: CARD FORMAT (position 14 blank)

11.2.3.5 Position 21 through 80: Leave blank.

11.2.4 Inter record gap

11.2.5 (Optional) Additional file header(s). If used, follow para 11.2.3.1 through 11.2.4 with position 4 incremented by 1 for each successive header used. EX: HDR2, HDR3 HDR4.

11.2.6 Tape mark (used after final header)

11.2.7 External tape label shall include as a minimum: (Required for tape, floppy disk or CD Rom)

- 11.2.7.1 Contract Number.
- 11.2.7.2 Contract Prime Commercial and Government Entity (CAGE) Code.
- 11.2.7.3 D 220 036.
- 11.2.7.4 Provisioning Contract Control Number (PCCN).
- 11.2.7.5 Submission Control Code (SCC).
- 11.2.7.6 Type PTD Code.

11.3 Security Classification of Data. Classified data (programs or line item data) cannot be entered into the D220 System. Classified data is processed outside the D220 System using contingency operating procedures as program directed.

11.4 PTD Format. Required format for PTD is depicted in Attachment 3.

11.4.1 Header Card. Required for all types and submissions of PTD.

11.4.1.1 CC 1-6, enter PCCN which will be provided at PGC.

11.4.1.2 CC 7-25, enter Procurement Instrument Identification Number PIIN). Do not use dashes. Alpha characters must be upper case.

11.4.1.3 CC 26-46, enter Model or Type No.

11.4.1.4 CC 47-56, Control Data:

11.4.1.4.1 CC 47, enter appropriate type PTD Code. Mandatory entry. This code, peculiar to the Air Force, identifies the type of PTD being submitted. PTD code must be one of the codes defined below:

<u>TYPE PTD SELECT CODE</u>	<u>DEFINITION</u>
I	Long Lead Time Items List (LLTIL) Interim Release (IR)
R	Long Lead Time Items List (LLIL), Recommend Items and/or SAIP
G	Provisioning Parts List (PPL)
F	Short Form Provisioning Parts List (SFPPL)
D	Design Change Notice (DCN)
C	Common/Bulk Items List (CBIL)
B	Recoverable Item Breakdown (RIB)
P	Post Conference List (PCL) (Foreign Military Sales or Manual Provisioning)

11.4.1.4.2CC 48, enter B. Mandatory.

11.4.1.4.3CC 49-56 – For contractor use, if required, and agreed upon with the PPA.

11.4.1.5 CC 57-61, enter Prime CAGE.

11.4.1.6 CC 62-66, enter appropriate SCC (ex: 00001, 00001, etc).

11.4.1.7 CC 67-72, enter date of list, e.g. "YYMMDD".

11.4.1.8 CC 73-80, blank.

11.4.2 **Basic Line Item Records:** Basic line item records shall be completed for each provisioning line item and submitted by Card Format Identifier A, B, C, D, E, F, G, H, J, and L as appropriate. The number of card images that the D220 System is capable of accepting are explained below. These instructions do not, however, impose card count restrictions upon the contractor in the submission of PTD to the Government.

11.4.2.1 **A Card.** A maximum of four "A" cards can be accepted per Provisioning Line Item Sequence Number (PLISN). The number will depend upon total number of reference numbers being presented. Reference number are identified on "A" Cards as follows:

ATCH 3 TO CDRL SEQ. NO. B007 (PAGE 7 OF 16)

- 01A Card – First Precedent Reference Number (FPRN)
- 02A Card – Second Precedent Reference Number (SPRN)
- 03A Card – First Additional Reference Number (FARN)
- 04A Card – Second Additional Reference Number (SARN)

11.4.2.2 B Card. Only one "B" card can be accepted per PLISN.

11.4.2.3 C Card. Only one "C" card can be accepted per PLISN.

11.4.2.4 D Card. Two "D" cards can be accepted per PLISN. This will be based on number of cards required to present reference designations.

11.4.2.5 E Card. Only one "E" card can be accepted per PLISN.

~~11.4.2.6 F Card. Maximum of 30 "F" cards can be accepted depending on serial effectively.
Submitted only on type PTD "D".~~

11.4.2.7 G Card. Only one "G" card can be accepted per PLISN. Submitted only on type PTD "D".

11.4.2.8 H Card. A total of three "H" cards can be accepted per PLISN with a maximum of 105 characters in the remarks. Only the first fifteen positions of the third "H" card can be accepted by the D220 System.

11.4.2.9 J Card. Only one "J" card can be accepted per PLISN.

11.4.2.10 L Card. Only one "L" card is accepted per PLISN.

11.4.3 Card Sequence Number (CSN). Two position numeric code, cc 78-79. Mandatory entry, 01, 02, 03, etc, as needed.

11.4.4 Card Format Identifiers (CFI). One position alpha code, CC 80. Mandatory entry.

11.5 Data Elements. Specific codes and definitions for data elements can be found in DOD 4100.39M, Federal Logistics Information System (FLIS) Procedures Manual and MIL-PRF-49506, Logistics Management Information (LMI) Specification. Specifications for the length, type, positional justification, and decimal placement of a data element field, or subfield, can be found in MIL-PRF-49506. Data elements not contained in the LMI are defined in Atch 2.

11.6 Type PTD "D", DCN. DCN submittals require the following:

11.6.1 Header Card per para 11.4.1.

11.6.2 For Replaced PLISNs.

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11.6.2.1.101A Card with PCCN, PLISN, Type of Change Code (TOCC), CAGE, Reference Number and CSN entered.

11.6.2.2 "F", "G" and "H" Cards as required.

11.6.3 For Superseding PLISNs: Cards "A" through "L" are required as applicable.

11.6.4 The following information is provided for preparation of DCNs and use of the TOCC. There are five basic types of PTD updates which are required when data is added, changed, or deleted affecting provisioning lists (PL) previously delivered. These transactions are required based on data changes in provisioning data baselined by a previous PTD submittal.

11.6.4.1 Standard Data Update. For each PTD card affected by data which has been added or changed since the previous PTD delivery, mandatory data, i.e., PCCN, PLISN, CSN, and CFI, an "M" TOCC and the added/changed data only are required. If data has been deleted, a "G" is required in the TOCC and in the left most position of each field deletion on the appropriate PTD card. Data deletions and changes/additions occurring on the same PTD card will require both a change and a deletion card for the appropriate data.

11.6.4.1.1 If all data on a PTD CFI is deleted, a delete transaction is required consisting of the PCCN, PLISN, CSN "01", CFI (except A), the key data associated with that PTD Card, and a "G" TOCC.

11.6.4.1.2 When an entire PLISN record is deleted, a delete transaction is required consisting of the appropriate PCCN, PLISN, CAGE, Reference Number, and a "D" TOCC on the 01A card. Also, if the reference designation exists, it along with the PCCN and PLISN on the 01D card with a "G" TOCC is required. In addition, if any change authority related information is changed, CFIs "F", "G" and "H" update transactions are also required.

11.6.4.2 Quantity Data Update. If a quantity field is updated, mandatory data, a "Q" TOCC, and the updated quantity data field(s) are required. This will only apply to the following data: Quantity Per Assembly, Quantity Per End Item, Total Quantity Recommended, Quantity Shipped, Quantity Procured and Prorated Quantity. If additional data displayed on the same PTD card also changes, only one change card is required with TOCC "Q". If quantity data is deleted, a change card is required with a zero filled quantity and TOCC "Q".

11.6.4.3 Key Data Update. Certain provisioning data are considered key and associated data elements and are listed below. Changes to key data requires the submission of both a delete and change card for the appropriate key data. The deletion card should contain a "G" TOCC and the original key data. The change card should contain an "M" TOCC with new key data and applicable associated data. When key data is deleted, deletion of the corresponding associated data is required.

<u>KEY DATA</u>	<u>ASSOCIATED DATA</u>
CAGE and Additional Reference Number	RNCC and RNVC
NHA PLISN	ORR
UOC	None
Reference Designation	RDOC, RDC
PLCC	None
Change Authority Number	Serial Number Effectively Prorated Exhibit Line Item Number Prorated Quantity IC Replaced or Superseding PLISN Total Item Changes Quantity Shipped Quantity Procured
Serial Number Effectively	None

11.6.4.4. Associated Data Update. Changes to associated data require the submission of a change card and consisting of an "M" TOCC with the changed data and entry to the applicable key data. Deletion of associated data requires the submission of a deletion card with a "G" TOCC, a "G" in the left most position of the associated data field and entry of the key data.

Design Changes with Limited Serial Effectively. When PTD updates are submitted for these design changes, Change Authority Number and Serial Number Effectively along with a "L" TOCC for the replaced item are required. If a quantity change occurs on a limited effectively item, an "L" TOCC is required in lieu of a "Q". The superseding item is submitted with a "blank" TOCC.

12. **Additional Information.** Information regarding the following requirements or any other provisioning matter may be requested from the PPA through the PCO by the contractor prior to contract award. Requests for this information must be submitted to the PCO in writing. Detailed guidance on these subjects will be provided at the PGC. This information may also be available in the Bidder's Library.

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12.1 **Instructions for Failure Factors.** Maintenance Replacement Rate 1 (MRR1), Condemnation Below Depot (CBD), Condemnation at Depot (CAD), Overhaul Replacement Rate (ORR), and Not Repairable this Station (NRTS). It should be noted that the AF definition for MRR1 differs from the LMI Data-Product Definition (DPD) #0560.

12.2 **Provisioning Factor Table.** This table is used to determine which factors are required for items assigned a procurable SMR code.

12.3 **Contractor Notification (CN) Products.** These products are generated by the AF in the provisioning process. The contractor shall specify desired media for CN products, i.e., tape or hardcopy, during the PGC. Peculiar AF data elements will be included in CN products which will be explained at the PGC. The Government does not require the contractor to develop an Automated Data Processing (ADP) capability to accepted Provisioned Item Orders (PIO) and/or the CN products by magnetic tape.

3 Atch

1. AFMC Form 718
2. LMI Data Product Selection Sheet – PTD
3. PTD Format

PROVISIONING PERFORMANCE SCHEDULE			DATE	OMB NO 0704-0188
<small>Public reporting burden for this collection of information is estimated to average 3 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 the burden, to Washington Headquarters Service, Directorate of 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. Completed form will be included in response to invitation for bid or Request for Proposal.</small>				
END ARTICLE		CONTRACTOR		
END ARTICLE DELIVERY DATES		SOLICITATION OR CONTRACT NUMBER		TYPE OF CONTRACT <input type="checkbox"/> EMD <input type="checkbox"/> PROD <input type="checkbox"/> EMC W/PROD OPT
DATE OF FIRST DELIVERY	REVISION			
DATE OF LAST DELIVERY	NUMBER	DATE		
NO	EVENT	ACTION AGENCY	TIMING	CALENDAR DATE
1	CONTRACT AWARD	GOVT	CONTRACT MAILING DATE	
2	GUIDANCE CONFERENCE	GOVT AND CONTR	NLT 45 DAYS AFTER MAILING DATE OF CONTRACT	
3	DLSC SCREENING	CONTR	SUBMIT TO DLSC NOT EARLIER THAN 30 DAYS PRIOR TO PLACING PTD	
4	a. BAW	CONTR	NLT 105 DAYS PRIOR TO CONTRACTOR'S ORDER NEED DATE	
	b. CANDIDATE LIST	GOVT	NLT 30 DAYS AFTER RECEIPT OF CANDIDATE LIST	
	c. SELECTED ITEM NOTIFICATION	CONTR	NLT 80 DAYS PRIOR TO CONTRACTOR'S ORDER NEED DATE	
	d. CONTRACTOR PROCUREMENT SCHEDULE PTD, EDFF SCREENING RESULTS	GOVT AND CONTR	NLT 80 DAYS PRIOR TO CONTRACTOR'S ORDER NEED DATE	START FINISH
	e. PROVISIONING CONFERENCE	GOVT	NLT 30 DAYS PRIOR TO CONTRACTOR'S ORDER NEED DATE	
5	a. PDIx RELEASED TO CONTRACTOR	CONTR	NLT 30 DAYS AFTER RELEASE FOR FABRICATION OR PROCUREMENT OF SPARE/REPAIR PARTS	START FINISH
	b. RECOMMENDED ITEMS	GOVT AND CONTR	45 DAYS PRIOR TO RELEASE OF PDI	
	c. PROVISIONING CONFERENCE	GOVT	NLT 90 DAYS PRIOR TO CONTRACTOR'S ORDER NEED DATE	
	d. PDIx RELEASED TO CONTRACTOR	CONTR	NLT 30 DAYS AFTER RECEIPT OF LIL FROM CONTRACTOR	
6	PTD/EDFP REQUIREMENTS	CONTR	NLT 60 DAYS PRIOR TO PROVISIONING CONFERENCE	
7	PROVISIONING CONFERENCE	GOVT AND CONTR	NLT 80 DAYS AFTER RECEIPT OF PTD/EDFP	START FINISH
8	PDIx w/DELIVERY SCHEDULE	GOVT	DUE TO CONTRACTOR. 60 DAYS AFTER PROVISIONING CONF	
9	ACCEPTANCE/REVISION OF DELIVERY SCHEDULE	CONTR	NLT 60 DAYS AFTER RECEIPT OF PDIx	
10	SPARES NEED DATE	GOVT	IAW PROGRAMMING CHECKLIST BUT NLT 80 DAYS PRIOR TO OND	
11	TRAINING START DATE	GOVT		
12	OPERATIONAL NEED DATE	GOVT		
REMARKS (Continue on reverse)				
AP PROV CHARPERSON		APPROVED BY		
		CONTRACTOR	PROGRAM MANAGER	

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DATA PRODUCT SELECTION SHEET

THIS SHEET DOES NOT SPECIFY PROVISIONING LISTS TO BE DELIVERED. ACTUAL PROVISIONING LISTS TO BE DELIVERED SHALL BE AS SPECIFIED IN SOO AND CDRLS ON CONTRACT. SHEET HAS BEEN COMPLETED TO REFLECT DATA ELEMENT REQUIREMENT BY TYPE OF PTD.

CARD	CC	DPD	DATA PRODUCT TITLE	L L T I L	P R I L B	S F P P L	C B I L	D C N	ADDITIONAL INFORMATION
A-L	1-6	870	PROV. CONTRACT CONTROL NR (PCCN)	X	X	X	X	X	SEE NOTE 1
A-L	7-11	890	PROV LINE ITEM SEQUENCE NR ((PLISN)	X	X	X	X	X	SEE NOTE 2
A-L	12	1420	TYPE OF CHANGE CODE (TOCC)					X	SEE NOTE 3
A	13	370	INDENTURE (OPTION 1)		X			X	
A	14-18	140	COMMERCIAL AND GOV'T ENTITY (CAGE)	X	X	X	X	X	SEE NOTE 4
A	19-50	1050	REFERENCE NR (FPRN)	X	X	X	X	X	
A	51	1060	REFERENCE NR CATEGORY CODE (RNCC)	X	X	X	X	X	
A	52	1070	REFERENCE NR VARIATION CODE (RNVC)	X	X	X	X	X	
A	55	280	ESSENTIALITY CODE (EC)	X	X	X	X	X	
A	56-74	480	ITEM NAME	X	X	X	X	X	
A	75	1190	SHELF LIFE	X	X	X	X	X	
A-L	78-80		CARD SEQUENCE NR (CSN) AND CARD FORMAT INDICATOR (CFI)	X	X	X	X	X	SEE NOTE 5 Not in LMI
B	13-32	680	NSN OR FSC	X	X	X	X	X	SEE NOTE 6
B	45-46	1470	UNIT OF ISSUE (UI)	X	X	X	X	X	
B	47-56	1500	UNIT OF ISSUE PRICE	X	X	X	X	X	SEE NOTE 7
B	62-64	980	QUANTITY UNIT PACK (QUP)	X	X	X	X	X	
B	65-70	1220	SOURCE/MAINT/RECOVERABILITY (SMR) CODE	X	X	X	X	X	SEE NOTE 8
B	71	230	DEMILITARIZATION CODE (DMIL)						
B	72-73	830	PRODUCTION LEAD TIME (PLT)	X	X	X	X	X	
B	74	340	HARDNESS CRITICAL ITEM (HCI)						
B	75	180	CONTROLLED ITEM INV. CODE (CIIC)	X	X	X	X	X	
B	76	790	PRECIOUS METALS INDICATOR CODE (PMIC)	X	X	X	X	X	
B	77	40	AUTO. DATA PROCESSING EQUIP. CODE (ADPEC)	X	X	X	X	X	
C	13-17	690	NEXT HIGHER ASSEMBLY PLISN (NH PLISN)		X			X	
C	19-21	740	OVERHAUL REPLACEMENT RATE (ORR)	X	X	X	X	X	SEE NOTE 9
C	22-25	930	QTY PER ASSEMBLY (QPA) OPTION 1	X	X	X	X	X	SEE NOTE 10
C	26-30	950	QTY PER END ITEM (QPEI) OPTION 1	X	X	X	X	X	SEE NOTE 11
C	31-38	560	MAINT REPLACEMENT RATE (MRR)	X	X	X	X	X	SEE NOTE 9

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C	54-59	1400	TOTAL QTY RECOMMENDED	X	X	X	X	X	SEE NOTE 12
C	60-64	1150	SAME AS PLISN (SPLISN)		X			X	SEE NOTE 13
C	65-69	820	PRIOR ITEM PLISN (PPLISN)		X	X		X	SEE NOTE 14
C	70-73	620	MAX ALLOWABLE OPERATING TIME (MAOT)	X	X	X	X	X	
C	74	540	MAINT. ACTION CODE (MAC)	X	X	X		X	
C	75-77	710	NOT REPAIRABLE THIS STATION (NRTS)	X	X	X	X	X	SEE NOTE 9
D	13-20	1560	USEABLE ON CODE (UOC)	X	X	X	X	X	SEE NOTE 15
D	21-52	1030	REFERENCE DESIGNATION	X	X			X	SEE NOTE 16
D	53		REFERENCE DESIG OVERFLOW CODE (RDOC)	X	X	X		X	
D	54	1040	REFERENCE DESIG CODE (RDC)	X	X	X		X	
D	55	1260	SPECIAL MATERIAL CONTENT CODE	X	X	X	X	X	
D	56	880	PROVISIONING LIST CATEGORY CODE (PLCC)	X	X	X	X	X	SEE NOTE 17
D	57	1240	SPECIAL MAINTENANCE ITEM CODE (SMIC)	X	X	X	X	X	
E	23-24	580	CONDEMNATION BELOW DEPOT (CBD)	X	X	X	X	X	SEE NOTE 9
E	25-26	580	CONDEMNATION AT DEPOT (CAD)	X	X	X	X	X	SEE NOTE 9
E	27-44	1080	REPAIR CYCLE TIME OPTION	X	X	X		X	SEE NOTE 13
E	72	170	CONTRACTOR TECHNICAL INFO CODE (CTIC)	X	X	X	X	X	SEE NOTE 19
F	13-27	120	CHANGE AUTHORITY NUMBER					X	SEE NOTE 20
F	28-29	430	INTERCHANGEABILITY CODE (IC)					X	
F	30-49	1170	SERIAL NUMBER EFFECTIVITY					X	SEE NOT 21
F	52-56	1090	REPLACED/SUPERSEDING PLISN					X	
F	58-63	1000	QUANTITY SHIPPED					X	
F	64-69	990	QUANTITY PROCURED					X	
G	28-33	850	PRORATED EXHIBIT LINE ITEM NR (ELIN)					X	SEE NOTE 22
G	34-39	860	PRORATED QUANTITY					X	
H	33-37	920	PROVISIONING REMARKS	X	X	X	X	X	
J	30-40	1580	WORK UNIT CODE (WUC)	X	X	X	X	X	SEE NOTE 23
01L	26		INITIAL SPARES SUPPORT LISTING (ISSL)	X	X	X	X	X	SEE NOTE 24 Not in LMI
01L	27		SPECIAL ITEM CODE (SI)	X	X	X	X	X	SEE NOTE 25 Not in LMI

NOTES:

1. PCCN - provided by PPA during PGC.
2. PLISN - Contractor resequencing of previously submitted PTD to the Government cannot be accepted by the current provisioning system. A provisioning plan that will preclude resequencing of PTD will be decided at the PGC.
3. TOCC - Used with type PTD "D" only. Additional guidance for TOCC will be provided during PGC.
4. CAGE Code - Guidance for obtaining CAGE Code may be provided at the PGC if required.
5. A-L, 78-80 Card Sequence Number (CSN) and Card Format Indicator (CFI) e.g., 01A, 01B, etc., as required.

6. NSN – CC 16-19, FSC (mandatory on all first appearance items regardless of SMR code). CC 20-28, NIIN (if available). Per Cataloging Handbook H2/H6.
7. The Unit of Issue (UI) Price shall be the best estimated price per unit of issue for each item based on the total recommended quantity, taking into consideration the quantity per unit pack and Programming Checklist (PCL) data. The Contractor shall provide, if known, any existing price break for particular batches or economical order quantities, in the remarks block or as directed by the PPA at the PGC.
8. SMR – Acceptable SMR codes are contained in Technical Order 00-25-195. Handouts for acceptable SMR codes will be provided at PGC.
9. MRRI, ORR, NRTS, CAD, and CBD factors for Federal Supply Group (FSCs) 53 and 59 (except 5955) are not required when non-repairable SMR codes are recommended.
10. QPA – "V" (variable) and "A" or "AR" (as required) are not acceptable entries for the D220 provisioning system. Entry must be numeric and >0.
11. QPEI – "V" (variable) and "AR" (as required) are not acceptable entries. Entry must be numeric and >0 for first appearance. NOTE: If "REF" is entered in QPEI, CC 26-30, the "Same as PLISN" should be entered in CC 60-64.
12. Total Quantity Recommended – Enter recommended quantity only on the non-stocklisted repairable items which are SMR coded as procurable. Unless advised otherwise by the PPA, when SMR is procurable, field must be blank or filled with a quantity greater than 0. NOTE: **If the contractor is aware that a minimum buy quantity exists, the recommended quantity block should reflect the minimum buy. In the remarks block, "MIN BUY".**
13. SPLISN – If SPLISN is entered, QPEI must reflect "REF" in CC 26-30.
14. PPLISN – When PPLISN is entered, the remarks block should reflect the PCCN and SCC where the PPLISN appears. Entry limited to PLISNS for same reference number previously submitted on LLIL PTD on current contract.
15. UOC – to be determined at PGC. Contractor should be prepared to make recommendations at the PGC.
16. Reference Designation. Compression (gang listing) of reference designators under one PLISN is allowed. Specific details for reference designators to be determined at the PGC.
17. Provisioning List Category Code (PLCC) – Contractor installed Government Furnished Equipment (GFE) will appear in the PTD as a single line item entry without a breakdown and will be identified by an "A" in CC 56 of the "D" card.

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18. Repair Cycle Time – Details to be determined at the PGC. Only, sixth subfield (CC42-44) used for provisioning. If required, Option 1 will be used unless otherwise directed by PPA.
19. CTIC – Only first position shall be used to enter breakout code.
20. Change Authority Number – For design changes which result from an Engineering Change requiring approval of the configuration control authority, change authority block will reflect the approved Engineering Order (EO) number or other applicable approved authority. For changes without such approval the change authority block in the PTD will be left blank and the reason for the change identified in the remarks block.
21. Serial Number Effectively – Serial number effectively FROM (CC 30-39) and TO (CC 40-49) limited to thirty (30) breaks in serial number per basic line item. Additional "F" card required for each break in serial numbers. Serial Number Effectively block cannot be blank or zero filled. If Serial Number Effectively is not applicable, enter "NONE".
22. Prorated ELIN – When authorized by the Government, the contractor may utilize an ELIN suffix on ELINs previously assigned by the PPCO or by the D220 System when submitting DCNs. If the proration is a result of a design change, enter the new "Prorated TO" ELIN in the PTD as instructed by the PPA.
23. Work Unit Code – AF uses only CC 30-34. 35-49 to be left blank.
24. ISSL – One alpha position (use one of the following codes):

CODE	DEFINITION
X	ISSL
A	Air Training Command
S	Special Purpose Recoverable Authorized to Maintenance (SPRAM)

25. Special Item Code – One alpha position (use one of the following codes):

CODE	DEFINITION
S	SAIP
W	Warranty Item
B	Both SAIP and Warranty

CONTRACT DATA REQUIREMENTS LIST

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 440 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 D.C. 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY: TDP TM OTHER												
D. SYSTEM/ITEM ADVANCED TARGETING POD		E. CONTRACT/PR NO. F33657-01-D-2029		F. CONTRACTOR LOCKHEED MARTIN												
1. DATA ITEM NO. B010	2. TITLE OF DATA ITEM TECHNICAL MANUALS			3. SUBTITLE DEPOT												
4. AUTHORITY (Data Acquisition Document No.) TMCR-86-01H		5. CONTRACT REFERENCE SOW PARA. 3.2.1		6. REQUIRING OFFICE ASC/FBL LOG.												
7. DD 250 REQ SD	9. DIST STATEMENT REQUIRED D	10. FREQUENCY BLK16	12. DATE OF FIRST SUBMISSION BLOCK 16	14. DISTRIBUTION												
8. APP CODE A		11. AS OF DATE	13. DATE SUBSEQUENT SUBMISS BLOCK 16	b. COPIES												
16. REMARKS BLOCK 4: PREPARED AND DELIVERED IN ACCORDANCE WITH THE TMCR TM-86-01H (TAILORED) BLOCK 8: DD FORM 250 REQUIRED. DCMC SHALL INSPECT AT SOURCE. A GOVERNMENT REPRESENTATIVE SHALL ACCEPT AT DESTINATION. BLOCKS 10, 12, 13 & 14: SUBMITTAL REQUIREMENT IN ACCORDANCE WITH TMCR TM-86-01H, PART B.				a. ADDRESSEE												
				<table border="1"> <thead> <tr> <th rowspan="2">Draft</th> <th colspan="2">Final</th> </tr> <tr> <th>Reg</th> <th>Reps</th> </tr> </thead> <tbody> <tr> <td>WR-</td> <td>3</td> <td>1</td> </tr> <tr> <td>ASC/FBL</td> <td>9</td> <td>0</td> </tr> <tr> <td>TOTAL</td> <td>3</td> <td>1</td> </tr> </tbody> </table>			Draft	Final		Reg	Reps	WR-	3	1	ASC/FBL	9
Draft	Final															
	Reg	Reps														
WR-	3	1														
ASC/FBL	9	0														
TOTAL	3	1														

G. PREPARED BY TERRY LAMBERT ASC/FBL	H. DATE 10/31/2001	I. APPROVED BY SHIRLEY MORRISON, PROGRAM MA ASC/FBL	J. DATE 10/31/2001
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Air Force Technical Manual Contract Requirements (TMCR)

for
Advanced Targeting Pod (ATP)

ATTACHMENT TO CDRL SEQUENCE NUMBER: B010 EXHIBIT: A
REQUEST FOR PROPOSAL/CONTRACT: F33657-01-R-2029

Date: 24 Oct 00

Technical Manual/Technical Order requirements contained herein have been cleared for use by OMB No. 0704-0188, 21 July 1986.

SECTION 1. TECHNICAL ORDER (TO) PROGRAM REQUIREMENTS

- 1. TMCR Tailoring.** Offerors MUST tailor this TMCR document, including the associated tables, matrices and Specification/Standard Interface Requirements (SIRs). The tailored TMCR shall be attached to the CDRL for TO delivery, and shall be included in the proposal as a separate exhibit, referenced in the proposal SOW. Proposals shall be compatible with the Air Force infrastructure and support the Advanced Targeting Pod Program's Technical Manual requirements. Air Force TO Acquisition procedures, including procedures for tailoring this document, are found in TO 00-5-3, located on the World Wide Web (WWW) at <http://www.pdsm.wpafb.af.mil/toprac/to-syste.htm>. Any terms or procedures found in this document may be researched there.
- 2. TO Program Scope.** The offeror shall tailor Section 2 to propose the TO types (Table 1) and source data, TO updates and commercial manuals (Table 2) required to support the ATP program's objectives. Page-oriented Military Specification (MILSPEC) TOs must be formatted according to MIL-STD-38784 and applicable performance (MIL-PRF) specifications, with text, graphics and delivery according to MIL-STD-1840. The offeror may propose use of Non-Government Specifications or Standards (NGS) for development of TOs, but must justify this choice based on life-cycle cost savings to the government and compatibility with existing systems identified in the GCO and the System Support Plan. **NOTE:** If Interactive Electronic Technical Manuals (IETMs) are proposed (MIL-PRF-87268 and MIL-PRF-87269), contact the Procuring Contracting Officer (PCO) and TO Manager to obtain guidance from the Air Force Preparing Activity (PA), MSG/MMF, 4375 Chidlaw Rd Suite 6, WPAFB OH 45433-5006.
- 3. Commercial Manuals.** Offerors shall propose the use of existing commercial manuals to the maximum extent possible without impairing program support objectives. The proposal will describe the method used to recommend and submit specific manuals to the government for review and approval. **NOTES:** a) Contractor Furnished Aeronautical Equipment/Contractor Furnished Equipment (CFAE/CFE) Notices, Data Item Description (DID) DI-TMSS-80067, may be used to provide recommendation data. b) The government will use MIL-HDBK-1221 as a guide for review and acceptance of all recommended commercial manuals, and MIL-PRF-7700 as an additional guide for commercial Flight Manual contents.
- 4. Technical Manual Specifications and Standards (TMSS) Tailoring.** TMSS are tailored by deleting requirements not needed for program TOs, and by selecting between options offered. The tailoring is recorded in SIRs and added to Section 3 of this document. AF options in some Joint-Service TMSS have been documented in preliminary SIRs included in Section 3. Offerors shall complete tailoring of the Joint-Service TMSS SIRs and provide recommended SIRs for other TMSS or NGS as applicable. Questions and conflicts with TMSS requirements may be resolved by written request and justified suggestions for resolution submitted through the PCO to Mr Ron Soward, ASC/FBL, 2275 D Street, Suite 142, Wright-Patterson AFB OH 45433, (937-255-6091 x4066). Approved recommendations, corrections and clarifications will be maintained with contract documentation. **NOTE:** Tailoring must not change or delete mandatory requirements which are part of the DTD structure.
- 5. Subsequent TO/Data Requirements.** Offerors shall propose a process for notifying the government when additional TO or source data requirements are identified subsequent to contract award. This process shall require government review and approval of recommended additional requirements prior to contractual approval. **NOTE:** The recommended notification process is to use CFAE/CFE Notices (DI-TMSS-80067).
- 6. TO Development.** The offeror shall propose TO development practices and procedures which ensure TOs and data are compatible with the AF Digital Data Strategy (http://www.pdsm.wpafb.af.mil/datamgt/data_mgt.htm) and the JCA LS JTMS. The preferred method is through use of the TMSS specified in Section 2 to produce TO files tagged using Standard Generalized Markup Language (SGML) according to the Document Type Definitions (DTDs) appended to MIL-STD-38784 and each specification. The offeror must submit any DTDs developed to support use of NGS or canceled

TMSS through the PCO and TO Manager to MSG/MMF for validation of JCALS compatibility. SGML-tagged TO files shall include required illustrations in one of the three approved graphics exchange specifications; MIL-PRF-28000, 28002, or 28003.

7. TO Numbering. Offerors shall propose a method for notifying the government of which manuals require TO numbers. TO numbers are not required for manuals to be used exclusively by contractor personnel. (NOTE: DI-TMSS-80067 may be used to provide the notification.) AF procedures for numbering TOs are described in TO 00-5-3 and AFMCMAN 21-1 (<http://www.pdsm.wpafb.af.mil/toprac/to-syste.htm>).

8. Data Rights. Government rights in data are specified in the Defense Federal Acquisition Regulation Supplement (DFARS), paragraphs 227-7102 through 227-7104, located in Section I of the RFP. Offerors shall propose Unlimited Rights for all source data and TOs prepared specifically for the contract. If some TOs or source data are copyrighted or contain proprietary data or procedures, offerors may propose Limited Rights or Government Purpose License Rights (GPLR) only. Proposed commercial manuals should be provided with at least GPLR or Limited Rights. Copyrights shall be according to DFARS paragraphs 227-7103, 7105 or 7106.

9. Classification, Distribution, Destruction, Disclosure, and Export Control Notices. Offerors shall propose methods for determining, marking and controlling classified and restricted distribution data and TOs. Processes must conform to government requirements specified in DOD 5200.1-R, DODD 5230.24, AFIs 31-401 and 61-204, and MIL-STD-38784. **NOTE:** Distribution limitations are normally determined on a case-by-case basis as TOs are developed, dependent upon TO content.

10. TO Quality. Offerors shall propose a quality assurance program which ensures TOs prepared are: a) 100% technically accurate; b) written to a scope and depth of coverage sufficient to support the operations and maintenance concepts, and to the Reading Grade Level (RGL) specified in MIL-STD-38784; c) compatible with the JCALS JTMS; and d) properly classified and marked with export control and distribution limitation statements. Recommended QA methods include actual performance of procedures and use of desk-top analysis for non-procedural data. Simulation (walk-through/talk-through) should be reserved for those procedures which would activate explosive devices or present a hazard to personnel or equipment. Offerors' proposals should describe how the government will be allowed to interact with the contractor's TO development team. **NOTE:** Quality requirements for the Joint Nuclear Weapons Publications System (JNWPS) and for Non-nuclear Explosive Ordnance Disposal (EOD) Data are contained in TO 11N-1-1 and DOD Directive 5160.62, respectively. The government performance-tests all JNWPS and EOD TOs.

10.1. Conferences and Technical Reviews. Offerors shall propose sufficient conferences and reviews to allow insight into TO development processes and ensure contract compliance. Offerors normally host an initial Guidance Conference or Technical Interchange Meeting (TIM) within 60 days of contract award to ensure mutual understanding of TO contract requirements, schedules, points of contact, etc. Periodic In-Process Reviews (IPRs) and Prepublication Reviews (PPR) ensure TOs are being developed according to contract requirements and that open discrepancies are cleared prior to publication. **NOTE:** PPRs are required for critical safety and nuclear surety procedures TOs, and may be required for other complex procedures TOs.

10.2. TO Certification. Offerors shall propose their method for documenting certification that TO procedures are accurate, adequate, current, and usable for their intended purposes.

10.3. Verification Support. Offerors shall propose the methods, equipment and personnel required to support government TO Verification. As a minimum, this support should consist of (a) technical writer and/or engineer support to resolve problems (b) provisions for program-peculiar equipment and supplies (c) incorporation of government comments, and (d) participation in TO Review Boards (TORBs) and Flight TORBs.

11. TO and Source Data Maintenance. Offerors shall propose methods for maintaining accuracy, currency and configuration of TOs and source data throughout the contract period of performance. Maintenance includes preparation of TO and source data updates to incorporate corrections, equipment configuration changes, and maintenance and operational concept changes.

12. TO Delivery. Offerors shall propose practices and procedures for access to or delivery of digital TO files, including those for Preliminary TOs (PTOs), source data, reproduction masters, and program support data. Practices and procedures shall be compatible with the program's Contractor Integrated Technical Information Service (CITIS) agreement (if on contract). TO file delivery formats shall be according to applicable CDRLs and the tailored TM Delivery Requirements Matrices included in Section 2 of this document. Paper TO delivery is not acceptable for final delivery of

Section 2. TM Type and Delivery Requirements

NOTES:

- Mark the TM Type Selection Tables indicating the applicable TO types and related specifications. For additional interface requirements see the program-specific Government Concept of Operations (GCO) and DOD 5000.2-R.
- Manuals delivered using this table and DI-TMSS-80067, CFAE/CFE Notices, must be reviewed and approved by the Air Force prior to delivery.
- IPBs are developed IAW MIL-PRF-38807, except that MIL-PRF-87929 will also be used for IPBs combined with work packages.
- All checklists, except aircrew and nuclear weapons checklists, are developed IAW MIL-PRF-5096.
- MIL-PRF-83495 requires DOD-STD-863 requirements to be levied on engineering data for preparation of end item wiring data and schematic diagrams.
- Delivery requirements are indicated in the TM Delivery Requirements matrices.
- Digital data media format requirements are specified in MIL-STD-1840. Use MIL-STD-1840 as a guide when completing Part B - TM Delivery Requirements.
- For further information on Air Force Digital Data Strategy, see WWW address http://www.pdsm.wpafb.af.mil/datamgt/data_mgt.htm.

Section 2. TM Type and Delivery Requirements

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- Delivery requirements are indicated in the TM Delivery Requirements matrices.
- Digital data media format requirements are specified in MIL-STD-1840. Use MIL-STD-1840 as a guide when completing Part B - TM Delivery Requirements.
- For further information on Air Force Digital Data Strategy, see WWW address http://www.pds.m.wpafb.af.mil/datamgt/data_mgt.htm.

PART A – TM TYPE SELECTION TABLES

TABLE 1
 TMSS REQUIREMENTS FOR THE (ATP) Program
 (System/Component)

Title or Type of Manuals	Specification	Required
1. Inspection TOs	MIL-PRF-5096	
a. Inspection and Maintenance Requirements (-6) Manual		<input type="checkbox"/>
b. Acceptance and Functional Check Flight (FCF) Procedures (-6CF) Manual		<input type="checkbox"/>
c. Acceptance and Functional Check Flight (-6CL) Checklist		<input type="checkbox"/>
d. Workcards		<input type="checkbox"/>
e. Inspection Requirements Cards		<input type="checkbox"/>
f. Flow/Sequence Charts		<input type="checkbox"/>
g. Checklists		
(1) Maintenance/Operations (Non-Aircrew)		<input type="checkbox"/>
(2) Operations (Aircrew)		<input type="checkbox"/>
2. Cargo Aircraft Loading and Offloading TOs	MIL-PRF-5288	
a. Manual		<input type="checkbox"/>
b. Checklists		<input type="checkbox"/>
3. Weight and Balance (Aircraft)	MIL-PRF-5920	
a. Loading Data Manual		<input type="checkbox"/>
b. Sample Basic Weight Checklists		<input type="checkbox"/>
4. Flight Manuals (see notes)	MIL-PRF-7700	
a. Flight Manual		<input type="checkbox"/>
b. Performance Data Manual		<input type="checkbox"/>
5. List of Applicable Publications	MIL-PRF-8031	<input type="checkbox"/>
6. Structural Repair Manuals (for Aircraft)	MIL-PRF-9854	<input type="checkbox"/>
7. Munitions/Weapons Loading Procedures, Non- nuclear and Nuclear	MIL-PRF-9977	
a. Nuclear Weapons Basic Information and Loading Procedures		<input type="checkbox"/>
b. Nuclear Weapons Loading Procedures		<input type="checkbox"/>
c. Non-nuclear Munitions Basic		<input type="checkbox"/>
d. Non-nuclear Loading Procedures		<input type="checkbox"/>
e. Integrated Combat Turnaround Procedures		<input type="checkbox"/>
f. Non-nuclear Munitions Loading Standard Data Packages (SDPs)		<input type="checkbox"/>
g. Loading Procedures Checklists		<input type="checkbox"/>
h. Integrated Loading Procedures Checklists		<input type="checkbox"/>
i. Nuclear Weapons Loading Procedure Checklists		<input type="checkbox"/>
j. Integrated Combat Turnaround Procedures Checklists		<input type="checkbox"/>
k. NATO Stage B Cross-Servicing Checklists		<input type="checkbox"/>

TABLE 1
 TMSS REQUIREMENTS FOR THE (ATP) Program
 (System/Component)

Title or Type of Manuals	Specification	Required
8. Mobile Training Sets (MTS) and Part Task Trainer TOs	MIL-PRF-9994	
a. Single Manual		<input type="checkbox"/>
b. Single Manual w/IPB		<input type="checkbox"/>
c. General/Systems Trainer Manuals		<input type="checkbox"/>
d. General/Systems Trainer Manuals w/IPB		<input type="checkbox"/>
e. Part Task Trainer Manuals		<input type="checkbox"/>
9. Space Operations and Support Documentation TOs	ANSI/AIAA-R024-1993	
a. Operations Manual	(Replaces MIL-M-38311)	<input type="checkbox"/>
b. Operations Checklists		<input type="checkbox"/>
c. Technical Manuals and Related Checklists		<input type="checkbox"/>
10. Nuclear and Non-nuclear Weapon Delivery and Aircrew Procedures Manuals and Checklists	MIL-PRF-38384	
a. Non-nuclear Weapon Delivery Manual (Strategic Bomber & Tactical Aircraft)		<input type="checkbox"/>
b. Nuclear Bomb Delivery Manual (Strategic Bomber Aircraft)		<input type="checkbox"/>
c. Aircrew Nuclear Weapon Delivery Manual (Strategic Bomber Aircraft)		<input type="checkbox"/>
d. Aircrew Nuclear Weapon Delivery Manual (Tactical Aircraft)		<input type="checkbox"/>
e. Non-nuclear Weapon Delivery Checklist (Strategic Bomber & Tactical Aircraft)		<input type="checkbox"/>
f. Nuclear Bomb Delivery Checklist (Strategic Bomber Aircraft)		<input type="checkbox"/>
g. Aircrew Nuclear Weapon Delivery Checklist (Tactical Aircraft)		<input type="checkbox"/>
h. Non-nuclear Weapon Delivery Source Data Packages		<input type="checkbox"/>
11. Air Refueling Procedures	MIL-PRF-38413	
a. Manual		<input type="checkbox"/>
b. Checklist		<input type="checkbox"/>
12. Work Unit Code Manual	MIL-PRF-38769	<input type="checkbox"/>
13. Calibration Procedures	MIL-PRF-38793	<input type="checkbox"/>
14. Time Compliance Technical Orders (TCTOs)	MIL-PRF-38804	<input type="checkbox"/>
15. Aircraft Battle Damage Assessment and Repair TOs	MIL-PRF-87158	<input type="checkbox"/>
16. Illustrated Parts Breakdown	MIL-PRF-38807	<input type="checkbox"/>
17. On-Equipment Organizational Maintenance Manual Set (see notes)	MIL-PRF-83495	
a. General Equipment (GE) Manual		<input type="checkbox"/>
b. General System (GS) Manuals		<input type="checkbox"/>
c. Combined GE & GS Manual		<input type="checkbox"/>
d. Job Guide (JG) Manuals		<input type="checkbox"/>

TABLE 1
 TMSS REQUIREMENTS FOR THE (ATP) Program
 (System/Component)

Title or Type of Manuals	Specification	Required
e. Fault Reporting (FR) Manual		<input type="checkbox"/>
f. Fault Isolation (FI) Manual		<input type="checkbox"/>
g. Wiring Data (WD) Manual		<input type="checkbox"/>
h. Schematic Diagram (SD) Manual		<input type="checkbox"/>
<hr/>		
18. Operation and Maintenance Instructions in Work Package Format	MIL-PRF-87929	
a. Maintenance Manuals		
(1) Intermediate Maintenance		<input type="checkbox"/>
(2) Depot Maintenance		<input checked="" type="checkbox"/>
(3) Combined (I&D) Maintenance		<input type="checkbox"/>
(4) On Condition Maintenance		<input type="checkbox"/>
b. Operation & Maintenance Instruction Manuals		
		<input type="checkbox"/>
c. Special Manuals		
(1) Aircraft Engine Testing and Trending Procedures		<input type="checkbox"/>
(2) Aircraft Power Package Testing Procedures		<input type="checkbox"/>
(3) Static Firing of Missile Motors		<input type="checkbox"/>
(4) System Peculiar Corrosion Control		<input type="checkbox"/>
(5) Nondestructive Inspection (NDI)		<input type="checkbox"/>
(6) Aircraft Structural Integrity Program (ASIP)		<input type="checkbox"/>
(7) ATE Operator Test Procedures		<input type="checkbox"/>
(8) Special Requirements for Storage and Maintenance Procedures; AUR Munitions/Launchers and Associated Support Equipment, Conventional Components and CMBR Agents		<input type="checkbox"/>
(9) Parachute Packing Procedures		<input type="checkbox"/>
(10) Operators Instructions (Hand-Held Flight Computers)		<input type="checkbox"/>
(11) Installation-Engineering Facility (Ground C-E Equipment)		<input type="checkbox"/>
d. Checklists (IAW MIL-PRF-5096)		<input type="checkbox"/>
e. With Illustrated Parts Breakdown (see notes)		<input type="checkbox"/>
<hr/>		
19. Commercial Manuals (Evaluate according to MIL-HDBK-1221)		<input checked="" type="checkbox"/>
<hr/>		
20. Aircraft Cross-servicing Guide	MIL-DTL-22202	<input type="checkbox"/>
<hr/>		
21. Electronic Technical Manuals (Contact specification preparing activity for guidance.)	MIL-PRF-87268 MIL-PRF-87269	<input type="checkbox"/>

TABLE 2
ADDITIONAL TM TYPE SELECTIONS

NOTES:

- Check all applicable boxes.
- For commercial manual supplemental data only, under the specification heading, enter "Same style and format," "MIL-PRF-38807" (for IPB data), or "MIL-STD-38784."
- For existing MIL-SPEC manuals not being updated to latest specification requirements, enter "Same style and format" under the specification heading.

TO Number, Title, or Type of Manual	Specification	Com- mercial Manual	Change/ Revision	Supple- ment	Supple- mental TM	Source Data
1.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PART B - TM DELIVERY REQUIREMENTS

FOR ATP
(System/Item)

TM DATA TYPE DELIVERED
(TMSS/Change/Supplement/etc.)
(Replicate form for each TM type required.)

Delivery Format Requirements Codes

Paper (draft or manuscript only. Cannot be used for final delivery) Digital delivery only:

G. - Standard Generalized Mark-up Language (SGML).

Mixed paper and digital (G/I)

I. - Indexed Portable Document Format (IPDF) File.

EXAMPLE: M(G) / 2 [Paper and SGML / 2 copies]

NOTES:

- Delivery format requirements codes indicate the media/file format to be delivered for each program event.
- TCTO requirements are specified in the contract vehicle approving the TCTO.
- When on-line access (e.g., CITIS) is a contractual requirement, copy quantity will normally be 0 (zero).

DELIVERY SCHEDULE

Event ⇨ Number of days data required prior to event ⇨ Enter Office Symbol and Address ↓ ↓	Technical Review(s) (? Days)	Verification (? Days)	Prepublication Review (? Days)	Final TO Distribution (? Days)
	↓	↓	↓	↓
WR-ALC/LY TSA 380 Richard Ray Blvd, Suite 104 Robins AFB, GA 31098-1638	P / 3	P / 3	M / 3	G / 1
	/	/	/	/
	/	/	/	/
	/	/	/	/
	/	/	/	/
	/	/	/	/
	/	/	/	/
	/	/	/	/
	/	/	/	/
Total Copies Required:	3	3	3	1

SECTION 3. SPECIFICATION/STANDARD INTERFACE RECORDS (SIRs)

NOTES:

- Most specification "Acquisition Requirements" list the same two items for paragraphs 6.2a and 6.2b. For this contract enter:
 - 6.2a. The title, number and date of each specification will be listed in the heading of the applicable SIR.
 - 6.2b. The issue of the DODISS used in this contract is *(enter date)*.
- Tailoring out digital requirements may result in parsing failure of the delivered files. All such tailoring must be coordinated with the specification Preparing Activity (PA).
- All TM specifications applicable to this contract require an appropriately tailored SIR attached to this section. MIL-STD-38784 must be included in all contracts/proposals for AF TMSS-developed TOs.
- Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from <http://www.dodssp.daps.mil>, or the Standardization Documents Order Desk, 700 Robbins Ave, Bldg 4D, Philadelphia, PA 19111-5094.

STANDARDIZATION INTERFACE RECORD FOR MIL-STD-1840B,

3 November 1992

Automated Interchange of Technical Information

NOTE: Program-specific tailoring of para 6.3 must be added to this SIR.

- 4.2 The transfer unit shall be encoded in an appropriate format for the type of transfer unit specified below.
- 4.2.1 Page image transfer units will only be used for raster-scanned (non-changeable) documents used to update relatively stable legacy (existing) data.
- 4.2.1c Special word files shall not be used; if changes to AF DTDs or FOSIs are required and authorized, the contractor shall submit a revised DTD or FOSI.
- 4.2.2 Page Description Language (PDL) transfer units will only be used to update volatile (changeable) legacy data using a commercial word processing format. **NOTE:** The preferred AF PDL is an Adobe™ Portable Document Format (PDF) file indexed in accordance with the AF Digital Data Strategy (http://www.pdsm.wpafb.af.mil/datamgt/data_mgt.htm).
- 4.2.3 Standard AF DTDs (appended to the prescribed TM specifications) shall be used, when possible. The PUBLIC identifier shall be identified in the SGML document transfer unit. If no DTD is appended to the relevant MILSPEC, contact MSG/ILMP, through the Procuring/Administrative Contracting Officer (PCO/ACO) and the TO Management Agency, to obtain permission to develop a program-specific DTD.
- 4.2.3b Document type declaration files are not required if the file is in standard AF DTD format and the document type is obvious upon file inspection.
- 4.2.3d SGML text entity files developed as a result of AF DTD modification shall be included. PUBLIC SGML text entity files shall NOT be used.
- 4.2.3e Each illustration in the file shall be delivered in one of the following formats: IGES, Raster, or CGM. All formats may be used within any one document, depending upon the various types of illustrations used. **Note:** This is not intended to prevent delivery of an "intelligent raster" illustration, i.e., one with an IGES overlay to facilitate changes to the raster image.
- 4.2.3f Standard AF FOSIs (available electronically as GFI from the AF TMSS OPR) shall be used, when possible, for paper output products. The PUBLIC identifier shall be identified in the SGML document transfer unit. If no FOSI is available for the relevant MILSPEC, or for digitally-displayed data, contact MSG/ILMP, through PCO/ACO and the TO Manager, to obtain permission to develop a program-specific FOSI.
- 4.2.3g Special word files shall not be used; if changes to AF DTDs or FOSIs are required and authorized, the contractor shall submit a revised DTD or FOSI.
- 4.2.3h Contract defined data files shall be included in the transfer unit if quantities and capacities deviate from MIL-PRF-28001 (see paragraph 4.4.9).
- 4.2.4 Product data transfer units will only be used for engineering data files.
- 4.2.5 Delete.
- 4.4.1 Page image data files shall be in accordance with MIL-PRF-28002 for raster image files (see SIR paragraph 4.2.1 and the NOTE for paragraph 4.2.3e).
- 4.4.2 Special word files shall not be used.

4.4.5 Replace the 1st sentence with: Text source data files shall be SGML encoded ASCII text files, tagged in accordance with the standard AF DTDs (see paragraph 4.2.3).

4.4.6 Delete.

4.4.7 When there are multiple uses for the same illustration within a single document, submit only one illustration data file.

4.4.7.1 IGES Class I, Technical Illustration Subset, will normally be used in preference to Class II or Class III (see SIR for MIL-PRF-28000).

4.4.7.2 The contractor shall obtain government approval before including raster illustration data files, except in page image transfer units provided in raster format only.

4.4.8 Change to read: "FOSI data files shall be in accordance with standard AF FOSIs and shall define the style and display format of the document according to the applicable specification (see paragraph 4.2.3f)."

4.4.9 Replace with: "Contract defined data files. This file shall be used to provide the appropriate SGML declaration [Federal Information Processing Standard (FIPS) 152]. The file shall be submitted in ASCII."

4.4.10 through 4.4.12 Delete.

4.4.13 Renumber as 4.4.7.4. Replace requirements with: "Use of half-tone or color illustrations shall be as specified in the applicable TM specification."

5.3.2g Replace with: "DTD Revisions. A DTD revision shall be included any time the standard AF DTD must be modified. Prior MSG/ILMP approval for the modification is required."

5.4.2 The type of alternative medium shall be specified by the government.

5.5.3 Packaging instructions for alternative media shall be provided by the government.

6.3 Tailoring Guidance. *The following list of paragraphs may require additional tailoring: 4.2, 4.2.4b (if used), 4.4.3 (if used), 4.4.4, 4.4.11 (if used), 5.3.2 (if types not listed are required), 5.4 (transfer package layout on medium), 5.4.2 (specify media if not 9-track tape), and 5.5.3 (if non-listed computer media are specified). The TO acquisition manager must coordinate tailoring with the sustainment TO manager and the contractor to ensure requirements are realistic and supportable. DELETE this italicized paragraph during tailoring.*

STANDARDIZATION INTERFACE RECORD FOR MIL-PRF-28000A,

10 February 1992

Digital Representation for Communication of Product Data:
IGES Application Subsets and IGES Application Protocols

NOTES:

- Program-specific tailoring of para 6.2 must be added to this SIR.
- Submit each illustration in only one of the three approved graphics formats (IGES, Raster, or CGM).

6.2c. The type of product data procured will be Class I - Technical Illustration Subset. If Class II or Class III products are being procured for other program purposes (such as engineering drawings), and these products are suitable for TO application, they shall be used instead of duplicating data merely to obtain the Class I product.

STANDARDIZATION INTERFACE RECORD FOR MIL-PRF-28001B,

26 June 1993

Markup Requirements and Generic Style Specification for
Electronic Printed Output and Exchange of Text

NOTE: Used for Air Force TOs as a reference only. Contact MSG/ILMP if new DTDs are required.

STANDARDIZATION INTERFACE RECORD FOR MIL-PRF-28002B,

14 December 1992

Raster Graphics Representation in Binary Format,
Requirements for

NOTES:

- Program-specific tailoring of (para 6.2) must be added to this SIR.
- Submit each illustration in only one of the three approved graphics formats (IGES, Raster, or CGM).
- Paragraph 6.2.1b is not answered in the TMCR.

1.2 (Info only) Type II, Tiled Raster Graphics (the optional choice) are compressed and require less memory space than Type I (Untitled).

STANDARDIZATION INTERFACE RECORD FOR MIL-PRF-28003A,

15 November 1991

Amendment 1,

10 August 1992

Digital Representation for Communication of Illustration Data:
CGM Application Profile

NOTES:

- Submit each illustration in only one of the three approved graphics formats (IGES, Raster, or CGM).
- Paragraph 6.2b is not answered by the TMCR.

6.2b. Unless otherwise required by the content specification, only the Type 0 (monochrome) metafile shall be used.

6.2c. (Tailor)

STANDARDIZATION INTERFACE RECORD FOR MIL-DTL-22202D,

31 March 1999

Manual, Technical, Aircraft Cross-Servicing Guide,
Preparation of

The requirements of 6.2 are met in this SIR (see below).

1.1 In addition to paper delivery, when this specification is used to develop digital delivery files (document type definitions - DTDs) contact the PA for additional instructions.

2.3 Ensure the listing for STANAG/ASCC Air Standard Documents is current. List applicable STANAG/ASCC Air Standards below.
(List STANAG/ASCC Air Standard Documents here.)

2.2.1 (Added) "Other government documents, drawings, and publications.

DEPARTMENT OF DEFENSE

DOD 5200.1-R

DoD Information Security Program Regulation

DOD 5220.22-M

National Industrial Security Program Operating Manual

4. Replace with: "VERIFICATION.

"All cross-servicing guides shall meet the requirements of sections 3 and 5 of this specification, as required by the acquiring activity. The requirements set forth in this specification shall become a part of the contractor's overall inspection system or quality program. The absence of any requirements in this specification shall not relieve the contractor of the responsibility of ensuring that all products or supplies submitted to the government for acceptance comply with all requirements of the contract. Use of sampling inspections shall be at the discretion of the contractor, and in accordance with commercially acceptable quality assurance procedures. However, use of sampling in QA procedures does not authorize submission of known defective material, either indicated or actual, nor does it commit the government to accept defective material."

5. Replace with: "PACKAGING.

"5.1 Packaging Requirements. For acquisition purposes, the packaging requirements shall be as specified in the contract or order. When the actual packaging of material is to be performed by DoD personnel, these personnel need to contact the responsible packaging activity to determine packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activity within the Military Department's System Command. Packaging data retrieval is available from the Military Department's or Defense Agency's automated packaging files, CD-ROM products, or the responsible packaging activity.

"5.1.1 Encoded Computer Products. Packaging of encoded computer products for delivery shall be in accordance with the requirements of MIL-STD-1840.

"5.1.2 Classified Material. Classified material shall be packaged and identified in accordance with DOD 5200.1-R, DOD 5220.22-M, and the implementing Service regulations."

- 6.2a Title, number, and date of the specification are listed above.
- 6.2b Issue of DODISS: *(fill in issue of DODISS applicable to this contract)*
- 6.2c Packaging requirements (see above).
- 6.2d Verification requirements (see above).

STANDARDIZATION INTERFACE RECORD FOR MIL-STD-38784,

2 July 1995

**Standard Practice for Manuals, Technical:
General Style and Format Requirements**

4.5.1.13 Destruction Notice. Change the existing sentence to read: "...or X shall be marked with Handling and Destruction Notice "a" (below) on the cover/title..." Add a new second sentence as follows: "Unclassified TOs authorized for Public Release (Distribution Statement "A") shall be marked with disposition notice "b" (below) on the title or T-2 page."

4.5.1.13.a. Designate existing paragraph as "a. HANDLING AND DESTRUCTION NOTICE..."
Add: "See TO 00-5-2 for specific destruction procedures."

4.5.1.13.b (Added) b. DISPOSITION NOTICE - Refer to TO 00-5-2 for disposition instructions.

STANDARDIZATION INTERFACE RECORD FOR MIL-PRF-38804,

1 March 1996

Amendment 1,

20 June 1997

Time Compliance Technical Orders - Preparation

3.5.5.3a (Added) Add new subpara "a" as follows:

a. Routine Safety Inspection Organizational/Intermediate Level TCTOs. "Not later than (#) days after receipt of this TCTO. Affected system/ equipment shall be removed from service if this TCTO is not accomplished within the specified number of days." The specified number of days for accomplishment shall be controlled by the degree of safety involved rather than the designated level of maintenance. If the compliance period cannot be met before the TCTO rescission date, the performing organization will request an extended compliance period according to TO 00-5-15.

3.5.5.3 Renumber existing paragraphs "a" thru "d" and retitle as follows:

- b. Routine Action, Organizational/Intermediate Level, Safety TCTO.
- c. Routine Action, Organizational/Intermediate Level TCTO.
- d. Routine Action, Organizational/Intermediate Level, Based Upon Maintenance Practice.
- e. Routine Action, Depot Level.

STATEMENT OF WORK (SOW)

FOR THE

USAF ADVANCED TARGETING POD (ATP)

PROGRAM

July 18, 2001

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1.0 INTRODUCTION

1.0.1 Scope

This Statement of Work (SOW) defines the Lockheed Martin effort for the Advanced Targeting Pod (ATP) program to provide the Air Force, for the F-16 Block 50/52 CJ, Block 25/30/32, and the F-15E aircrafts, a fully integrated capability to deliver precision and GPS guided munitions in support of Destruction of Enemy Air Defense (DEAD) missions. Lockheed Martin (hereafter referred to as Contractor) shall provide all effort required for the management, fabrication, integration, test, and logistics support of its Non-Developmental Item (NDI) (Sniper XR) (herein after referred to as Sniper system. Details and information of the efforts that shall be performed are contained herein. These efforts include, as a minimum, systems engineering, program management, Interim Contractor Support, Associate Contractor Agreements, and sustainment support. The Contractor shall ensure that all delivered products meet the requirements as specified in this contract, including the Sniper System Specification (SS), this SOW, and Contract Data Requirements List (CDRL).

This SOW includes all work activities potentially exercisable by the Government under this Indefinite Delivery/Indefinite Quantity (IDIQ) contract. Sections J, Attachment 9, contains a Contract Line Item Number (CLIN)-SOW map which identifies the specific SOW paragraphs to be invoked as the result of Government award of contract CLINs.

1.0.2 Applicable Documents

The following documents of the exact issue shown at the time of initial contract award form a part of this SOW to the extent specified herein. Only documents referenced within the specified requirements are applicable, and only to the extent applied to the requirement. In the event of a conflict between documents referenced and the SOW, the SOW shall take precedence.

Government Documents

AFMFAR 5352.204-9001
(July 1997)

Assignment of Serial Numbers for
Configuration Control and Administration
Of Warranties

AFMFAR 5352.217-9008
(July 1997)

Assignment of National Stock Numbers

AFI-10-602
(20 June 1994)

Determining Logistics Support and Readiness
Requirements

Non-Government Documents

SPC77420004

Sniper System Specification (SS) (April 2001)

1.1 Prime Mission Equipment

The Contractor shall ensure that the ATP Program activity embodies processes and qualities that are compatible with existing manufacturing methods and manufacturing test procedures. The Contractor may use best practices for design and construction. Parts shall meet all performance, reliability, and interface requirements.

1.1.1 Advanced Targeting Pods

The Contractor shall manufacture, test, and deliver Sniper systems which conform to the SS at a monthly rate as required to support the IDIQ structure. This task includes production start-up labor, touch labor, production material, subcontract material, conformance verification, and production support. Tooling, fixtures or special test equipment required to meet IDIQ production rate requirements shall also be provided.

~~The Contractor shall assure that all software used in the delivered products has been developed and qualified according to documented internal Contractor standards consistent with current industry software development practices. The Contractor shall prepare and deliver a Software Requirements Specification in accordance with CDRL B001 (DI-IPSC-81433A/T) or Single Process Initiative (SPI) CPC96-0024, and Software Product Specification in accordance with CDRL B002 (DI-IPSC-81441A/T) or SPI CPC96-0024. Automated Computer Identification Numbers (ACPIN) shall be provided in accordance with CDRL B003 (DI-MISC-81454A).~~

The Contractor shall prepare and deliver Product Drawings and Associated Lists in accordance with CDRL B004 (DI-DRPR-81000A/T) and record and prepare Engineering Data Guidance Conference minutes in accordance with B011 (DI-ADMN-81250A).

1.1.2 Pylons

The Contractor shall manufacture, test, and deliver pylons at a monthly rate as required to support the IDIQ structure. The pylons shall be delivered during the base activation period in accordance with the contract Integrated Master Plan/Integrated Master Schedule (IMP/IMS). The pylons shall be certified to be equivalent to the current F-16/LANTIRN configuration and shall be interchangeable with existing fielded pylons.

1.1.3 Pod Refurbishment – FY 03

The Contractor shall refurbish the pods delivered to the USAF or ANG flight test sites in FY03 for purposes of conducting planned Qualification Test & Evaluation (QT&E) or Qualification Operational Test & Evaluation (QOT&E) as part of the comprehensive test program required to allow Required Available Assets (RAA) or the Initial Operations Capability (IOC). Following refurbishment, these pods shall be delivered to the ANG or USAF as part of the production items called for under CLIN 0001.

1.2 System Engineering/Program Management

1.2.1 Integrated Product and Process Development and Risk Management

The Contractor shall provide for integrated Systems Engineering and Program Management through an ATP Program Integrated Product Team (IPT). The ATP Program IPT shall have the necessary resources and expertise to provide contracted products and services in accordance with this SOW and the SS. The Program IPT shall include Government and Contractor participation and ensure that system performance and operational readiness parameters are achieved. The Contractor shall execute an innovative plan to manage the delivery, integration and certification of the Sniper system. Through the Program IPT relationships, clear visibility into schedule, technical performance and risk shall be maintained. Management and execution shall be aided by an IMP and supported by the IMS. The IMS shall be submitted in accordance with CDRL A011 (DI-MISC-81183A/T).

The Contractor shall perform continual risk assessment in accordance with the Contractor's internally approved policies and procedures. The Contractor shall facilitate a Risk Management IPT providing for government participation. Closure of risk items shall be mutually agreed between Government and Contractor and shall include, as a minimum, the inclusion of the approved closure approach within the IMS and the establishment of criteria by which task completion shall be measured.

The Contractor shall identify and resolve all hazards within the subsystem and support equipment which are categorized as unacceptable or undesirable using the definitions of MIL-STD-882c, Appendix A, Figure 1, as guidance. The Contractor shall document the results of this analysis and identify hazardous materials introduced in the subsystem's or support equipment's life cycle in a safety assessment report. The Contractor shall certify the subsystem and support equipment complies with all safety, suitability, and effectiveness (OSS&E) standards/regulations.

1.2.1.1 System Engineering

The Contractor shall ensure that the Sniper system design integrity is maintained at the system level, and that the provisions of the SS are maintained during production and deployment of the Sniper equipment. This shall include providing the system, hardware, and software engineering disciplines and resources for design compliance and technical oversight to ensure the system performance and operational readiness parameters are met and maintained. The Contractor shall investigate and resolve potential parts obsolescence issues and shall provide sustaining engineering support to ensure contract delivery requirements for configuration items and engineering documentation are met and maintained.

The Contractor shall perform all tasks necessary to assure system integrity of the Sniper system. The Contractor shall assume Total System Integration Responsibility (TSIR). Under TSIR, the Contractor shall support Test Planning Working Group

(TPWG) activities, review test plans and procedures, support government and associate Contractor integration activities, and manage future Sniper system product improvements and associated installation activities.

1.2.1.1.1 Reliability Growth Program

The Contractor shall establish and execute a reliability growth program to achieve the proposed reliability growth curve profile. A Reliability Growth Plan (RGP) will be developed which incorporates appropriate tracking and assessment techniques to ensure that support cost risk is properly addressed and reduced. All applicable hardware testing will be tracked to a predefined growth curve. Additional testing performed on vendor critical items may also be used to demonstrate that the reliability growth is on track. Fielded system data collection will be performed to ensure consistency between test data and fielded equipment reliability. The Contractor shall implement and maintain a Failure Reporting and Corrective Action System (FRACAS) to monitor growth, identify trends, and track the implementation of corrective design, manufacture, or retrofit activities.

1.2.1.2 Program Management

The Program Management IPT shall direct the Contractor's efforts through use of an IMP. The IMP shall incorporate the Contractor's internally approved management processes and procedures. Program Management activities shall include program coordination, data item approval, program finance support for cost control, risk management and mitigation. The Contractor's IMP shall identify all work to be accomplished, the organizations responsible for performing work, and the schedules for starting and completing work. The Program IPT shall implement the IMS which shall depict program milestones, activities, events, and associated critical paths. The IMS shall be the primary means of communicating the program progress to contractual delivery schedules.

Upon implementation of a Depot Partnership concept, the Contractor shall prepare and deliver a Management Plan in accordance with CDRL A023 (DI-MGMT-80004/T). The Management Plan shall address and provide means for the Government to enter into a contractual agreement for Depot Partnering.

The Contractor shall conduct In-Process Review (IPRs) for Flight and Maintenance Manuals at the Contractor's facility for Blocks 30 and 50 when data has reached the 30% and 70% percent completion points. IPRs shall also be conducted for the Technical Data Package (TDP) at the Contractor's facility when data has reached the 30%, 50%, and 80% percent completion points. Coordination of risk items with the Government shall be documented and discussed as part of the IPRs.

1.2.2 Configuration and Data Management

The Contractor shall establish and maintain a Configuration Management (CM) Program which defines the management system for configuration identification, audits, change control and status accounting for the ATP Program in accordance with Contractor's internal policies and procedures. The Contractor shall provide a single configuration management focal point within the Program Management IPT.

The Contractor shall identify and document the configuration identification of the Hardware Configuration Items (HWCIs) and Computer Software Configuration Items (CSCIs). The Contractor shall utilize assigned Government nomenclature, serial numbers, national stock numbers (NSN) in accordance with AFMFAR 5352.204-9001 and AFMFAR 5352.217-9008. Nomenclature assignment shall be in accordance with the CDRL A005 (DI-CMAN-81254A).

The Contractor shall establish, implement, and maintain the methods and procedures for control of changes. Changes to contractual requirements (non-technical) shall be prepared and submitted in accordance with CDRL A001 (DI-ADMN-81401A). Designated baseline technical documents may only be changed as the result of the Government approval in accordance CDRL A002 (DI-CMAN-80639B/T), and A003 (DI-CMAN-80643B). The Contractor shall require subcontractors to provide internal configuration management to the same levels of control the Contractor uses to assure adequacy and accuracy of end item configurations and associated data required by this contract.

The Contractor shall perform a Functional Configuration Audit to verify the configuration items and system's performance against its configuration documentation.

The Contractor shall maintain a data management system to ensure that the data items are electronically submitted on schedule to meet program milestones and that the content complies with requirements of the contract. The data management system shall document tracking and monitoring of data submittals, coordination, changes, and approval status. The Contractor shall provide for a single focal point for data management within the Program Management IPT.

Preparation and data delivery shall be in accordance with the CDRL (DD Form 1423) and Data Item Descriptions (DIDs) (DD Form 1664). The data management system shall include preparation, maintenance and submission of a Data Accession List (DAL) in accordance with the CDRL A010 (DI-MGMT-81453). The Contractor shall require subcontractors to develop and control data according to the same levels of control the Contractor uses to assure adequacy and delivery of data required by this contract. All contractual data and other relevant documentation will be delivered and maintained on a World Wide Web (WWW) site to ensure optimum communications and information exchange. The preferred data format shall be in Adobe Acrobat.

1.2.3 Product Improvement Management

Product Improvement Management shall be executed by the Program IPT and the sub-tier Systems Engineering and Integration Team (SEIT) to ensure effective and economical continuity within the Contractor's overall business base and within the industry in general. The Contractor shall monitor industry trends and recommend product improvements when these can be identified to improve performance, reliability, operational readiness, cost, schedule, or availability.

1.2.4 Conformance Verification

The Contractor shall invite the Government to witness any performance verification activities identified and defined as contract requirements in the SS. The Contractor shall furnish all necessary equipment, facilities, and manpower (avionics hardware, software emulation tools, technicians' etc.) required to conduct the verification, tests and demonstrations. ~~The Contractor shall conduct a set of tests and demonstrations to permit the Government to evaluate and accept Sniper performance.~~ The Contractor will coordinate verification event schedules with the Government and shall provide the scheduled date and location of each verification event or group of events at least thirty (30) days prior to the start of the event. If the Contractor must reschedule an event, the Contractor shall provide notification at least ten (10) days prior to the original event date.

The Contractor shall utilize test/demonstration specifications and test procedures for validation in accordance with Contractor internal policies and procedures. The specifications will include analysis for determining tolerance allocations and failure criteria and will define how individual test results will be correlated with test results from other design validation activities to demonstrate compliance with specified performance requirements. The Contractor will prepare test/demonstration reports in accordance with the Contractor's internal policies and procedures. All conformance verification documentation will be available for Government review at Contractor's facility.

1.2.5 Associate Contractor Agreement

The Contractor shall establish an Associate Contractor Agreement (ACA) with the F-15 aircraft prime contractor and actively support the establishment and control of interface agreements. The Contractor shall submit all source data to the aircraft contractors for all technical manual updates required to integrate Sniper into the weapon system. The Contractor shall provide inputs to the specific aircraft Interface Control Documents (ICDs) as required in accordance with CDRL A004 (DI-CMAN-81248/T). For the F-16, these same responsibilities will be accomplished between the Contractor and the aircraft prime contractor, Lockheed Martin Aeronautics Company in accordance with the Contractor's corporate policies. Support to the aircraft prime contractor shall be provided throughout the performance period of sections 1.3, 1.4, 1.5 and 1.6 of this SOW.

1.2.6 Pod Software Development

The Contractor shall develop and deliver pod software conforming to the System Specification and the applicable ICD's referenced therein. The pod software shall allow the advanced functions defined by the System Specification to be utilized by the tactical pilot for each of the aircraft referenced in sections 1.3, 1.4, 1.5, and 1.6 of this SOW. In the event the referenced ICD's do not support the Sniper XR advanced functions, the contractor shall define and implement pod software changes allowing these functions to be executable by the pilot without the need for aircraft software changes. All ICD's and associated pod software implementations for the advanced functions shall be approved by the USAF and associate contractors in accordance with section 1.2.5 of this SOW.

1.3 F-16, BLOCK 30 SERIES AIRCRAFT INTEGRATION AND TEST

The Contractor shall co-chair a Block 30 Integration Test Team with USAF, ANG, and AC participation. The Integration IPT shall facilitate coordination to ensure that the system integration allows full performance as identified within this SOW, the SPIs and associated F-16 Block 30 SCU 4.1+ and SCU 5 ICDs. As a facilitator of the Integration IPT, the Contractor shall conduct Test Planning Working Group (TPWG) meetings and support aircraft System Integration Laboratory/Avionics System Integration Facility (SIL/ASIF) integration, simulator, ground and flight testing at USAF flight test sites as coordinated by the Integration IPT. Contractor support to Block 30 aircraft integration and testing will be provided in accordance with Section J, Attachment 6 (IMP) and the Program IMS.

1.3.1 SNIPER Integration and Test

The Contractor shall provide the systems, hardware, software and test engineering effort required to verify interface of the Sniper system to the F-16 Block 30/32 C/D aircraft and ensure Sniper compliance with the Block 30 SCU 4.1+ ICD and the SS. The Activity includes review of baseline Pilot Vehicle Interface (PVI) mechanization, PVI design update, Aircraft Integration Freeze Activities and installed performance analysis review, and Qualification test planning and conduct. The Contractor shall maintain the Sniper internal software to include the interface-to-aircraft software to ensure it meets its assigned functional and performance requirements. The Contractor shall resolve Sniper problems uncovered by these reviews and test. Acceptance Test Procedures shall be submitted in accordance with CDRL A009 (DI-NDTI-80566).

The Contractor will provide two production representative capital pod assets, associated spares and repairs, and Sniper capital engineering test equipment necessary to support the Block 50 SIL and Block 30 ASIF. The pods shall be fully functional including the XR FLIR processing capability with the exception of operational Laser Marker and Day TV. The Laser Marker and Day TV functions shall be simulated allowing for pilot vehicle interface and aircraft OFP test support. These assets will be provided as needed to support the SIL/ASIF activity in accordance with the IMP/IMS.

This equipment shall be provided through IOC on each of the Block 30 and Block 50 aircraft configurations. Ownership of the test assets will be retained by the Contractor.

The Contractor shall provide maintenance and repair of the Contractor owned pods throughout the SIL/ASIF activities. This support shall include, as a minimum, the following:

- a. Repair of failed equipment.
- b. Additional on-site technical support on an as needed basis.
- c. Assistance in analysis of failures and identification of corrective actions.
- d. Spare Parts

1.3.2 Avionics Software Integration Facility Test Support

The Contractor shall provide training and support Software Compatibility Qualification Testing to be conducted by the Government at Hill AFB prior to SEEK Eagle or any other qualification tests. The Contractor shall provide adequate technical support personnel to support the duration of the ASIF testing for successful conclusion of the testing within the planned test interval. The Contractor shall provide all pre-test planning and preparations to seamless integration activity. The Contractor shall be responsible for shipping of the capital pod and engineering test equipment to and from the test facility.

1.3.3 SEEK EAGLE Test Support

The Contractor shall provide technical labor required to plan, prepare data and support SEEK EAGLE Flight Qualification Testing to be conducted by the Government prior to the Qualification Flight Tests. Aircraft compatibility tests shall be accomplished on the aircraft, in addition to ground EMI/EMC avionics compatibility checks. The Contractor shall provide the necessary test support and problem resolution to obtain flight clearance. The Contractor shall be responsible for shipping of the pod and support equipment to and from the test facility.

1.3.4 Qualification Test & Evaluation Support

The Contractor shall provide Field Service Engineering (FSE) training and support for flight tests in support of the Sniper certification at the Tucson Test Center in Arizona. The Contractor's support shall include QT&E Flight Readiness Review, bench testing, data analysis, problem identification and resolution, engineering support for any SNIPER equipment integration problems and FSE support at Edwards AFB, CA. . The Contractor shall provide inputs and support to the QT&E test plan, which shall be prepared for all QT&E activities. At the completion of Sniper flight test, the Contractor shall support the preparation of reports documenting the test results. The Contractor shall repair and maintain test assets during Sniper flight tests. The Contractor shall be

responsible for shipping of the pod and engineering test equipment to and from the test facility.

1.3.5 Qualification Operational Test & Evaluation Support

The Contractor shall provide Field Service Engineering (FSE) training and support for flight tests in support of the Sniper certification at the Tuscon AATC. The Contractor's support shall include QOT&E Flight Readiness Review, bench testing, data analysis, problem identification and resolution, engineering support for any Sniper equipment integration problems and FSE support at the first Major Operating Base (MOB). The Contractor shall provide inputs and support to the QOT&E test plan, which shall be prepared for all QOT&E activities. At the completion of Sniper flight tests, the Contractor shall support the preparation of reports documenting the test results. The Contractor shall repair and maintain test assets during flight tests. The Contractor shall be responsible for shipping of the pod and engineering test equipment to and from the test facilities.

1.4 F-16, Block 40/50 Series Aircraft Integration and Test

The Contractor shall co-chair a Block 40/50 Integration Test Team with USAF, ANG, and AC participation. The Integration IPT shall facilitate coordination to ensure that the system integration allows full performance as identified within this SOW, the SPIs and associated F-16 Block 40/50 M3+ and M4 ICDs. As a facilitator of the Integration IPT, the Contractor shall support the conduct of Test Planning Working Group (TPWG) meetings and support aircraft SIL/ASIF integration, simulator, ground and flight testing at USAF flight test sites as coordinated by the Integration IPT. Contractor support to Block 40/50 aircraft integration and testing will be provided in accordance with Section J, Attachment 6 (IMP) and the Program IMS.

1.4.1 SNIPER Integration and Test

The Contractor shall provide the systems, hardware, software and test engineering effort required to verify Sniper interface to the F-16 Block 40/50/52 C/D aircraft and ensure Sniper compliance with the Block 50 M3+ and M4 ICDs and the SS. The Activity includes review of baseline Pilot Vehicle Interface (PVI) mechanization, PVI design update, Aircraft Integration Freeze Activities and installed performance analysis review, and support of Qualification test planning and conduct. The Contractor shall maintain the Sniper internal software to include the interface-to-aircraft software to ensure it meets its assigned functional and performance requirements. The Contractor shall resolve Sniper problems uncovered by these reviews and tests. Acceptance Test Procedures shall be submitted in accordance with CDRL A009 (DI-NDTI-80566). In conjunction with the M3+ and M4 activity referenced above, the contractor shall conduct Maverick missile integration activities on the Block 40 avionics configuration.

1.4.2 Software Integration Laboratory Test Support

The Contractor shall provide training and support Software Compatibility Qualification Testing to be conducted by Lockheed Martin Aeronautics at its Ft. Worth Facility. The Contractor shall provide adequate technical support personnel to support the duration

of the SIL testing for successful conclusion of the testing within the planned test interval. The Contractor shall provide all pre-test planning and preparations to seamless integration activity. The Contractor shall be responsible for shipping of the capital pod and engineering test equipment to and from the test facility. In conjunction with the M3+ SIL, the contractor shall support SIL activity with the Block 40 configuration avionics for the purposes of testing the Maverick missile integration capabilities of the Sniper XR system.

1.4.3 SEEK EAGLE Validation/Verification

The Contractor shall provide technical labor required to plan, prepare data and support SEEK EAGLE Flight Qualification Testing to be conducted by the Government at Eglin AFB prior to any other Qualification Flight Tests. Aircraft and EMI/EMC compatibility ground tests shall be accomplished. The Contractor shall provide the necessary test support and problem resolution to obtain flight clearance. The Contractor shall be responsible for shipping of the pod and support equipment to and from the test facility.

1.4.4 Qualification Test & Evaluation Support

The Contractor shall provide Field Service Engineering (FSE) training and support for flight tests in support of the Sniper certification at the USAF AFFTC. The Contractor's support shall include Qualification Test & Evaluations (QT&E) Flight Readiness Review, bench testing, data analysis, problem identification and resolution, engineering support for any Sniper equipment integration problems and FSE support in Edwards AFB, CA. The Contractor shall provide inputs and support to the QT&E test plan, which will be prepared for all QT&E activities. At the completion of Sniper flight test, the Contractor shall support reports documenting the test results. The Contractor shall repair and maintain test assets during Sniper flight tests. The Contractor shall provide Sniper pod training for the AFFTC F-16 pilots. The Contractor shall be responsible for shipping of the pod and engineering test equipment to and from the test facility. In conjunction with the M3+ flight test activity, the contractor shall support QT&E flight test with the Block 40 configuration avionics for the purposes of testing the Maverick missile handoff performance of the Sniper XR system.

1.4.5 Qualification Operational Test & Evaluation Support

The Contractor shall provide Field Service Engineering (FSE) training and support for flight tests in support of the Sniper certification at the AFOTEC located at Nellis AFB, NV. The Contractor's support shall include Qualification Operational Test & Evaluation (QOT&E) Flight Readiness Review, bench testing, data analysis, problem identification and resolution, engineering support for any Sniper equipment integration problems and FSE support at the first MOB. The Contractor shall provide inputs and support to the QOT&E test plan, which shall be prepared for all QOT&E activities. At the completion of Sniper flight tests, the Contractor shall support the generation of reports documenting the test results. The Contractor shall repair and maintain test assets during flight tests.

The Contractor shall be responsible for shipping of the pod and engineering test equipment to and from the test facilities.

1.5 F-15E Aircraft Requirements, Integration and Test Planning

The Contractor shall work with the Government and through its ACA agreement with the Boeing Company to plan the detailed interface definitions and integration requirements and integration plan for integration of the Sniper on the F-15 E aircraft. The plan shall address mechanical, electrical, software and PVI interfaces, AIC integration, and both QT&E and QOT&E fight test verification. The plan will define test assets adequate to perform the integration and test activity.

1.6 F-15E Aircraft Integration and Test

The Contractor shall provide the systems, hardware, software and test engineering effort required to verify interface of the to the F-15E aircraft (Suite 5 OFP) and ensure Sniper compliance with the F-15E ICD's and the SS. The Activity includes review of baseline Pilot Vehicle Interface (PVI) mechanization; PVI design update; support of Aircraft Integration Freeze Activities and installed performance analysis review, and Qualification test planning and conduct. The Contractor shall maintain the Sniper internal software to include the interface-to-aircraft software to ensure it meets its assigned functional and performance requirements. The Contractor shall resolve Sniper problems uncovered by these reviews and test. Contractor support to the F-15E aircraft integration and testing will be provided in accordance with Section J, Attachment 6 (IMP).

1.6.1 Sniper Integration and Test

The Contractor will provide one production representative asset, to be used in conjunction with a Government Furnished Equipment (GFE) Sniper XR pod, associated spares and repairs, and Sniper capital engineering test equipment necessary to support the F-15E integration efforts at the Boeing Company's facility. These assets will be provided as needed to support the Avionics Integration Center (AIC) activity in accordance with the IMP/IMS. This equipment shall be provided through IOC F-15E aircraft configurations. Ownership of the Customer Furnished Equipment (CFE) test assets will be retained by the Contractor.

The Contractor shall provide maintenance and repair of the Contractor owned pods throughout the AIC activities. This support shall include, as a minimum, the following:

- a. Repair of failed equipment.
- b. Additional on-site technical support on an as needed basis.
- c. Assistance in analysis of failures and identification of corrective actions.
- d. Spare Parts

Acceptance Test Procedures shall be submitted in accordance with CDRL A009 (DI-NDTI-80566).

1.6.2 Software Integration Laboratory Test Support

The Contractor shall support Software Compatibility Qualification Testing to be conducted by the Boeing Company at its St. Louis Avionics Integration Center (AIC) Facility prior to Aircraft Certification or any other qualification tests. The Contractor shall provide adequate technical support personnel to support the duration of AIC testing for successful conclusion of the testing within the planned test interval. The Contractor shall provide all pre-test planning and preparations to seamless integration activity. The Contractor shall be responsible for shipping of the pod and peculiar test equipment to and from the test facility.

1.6.3 Aircraft Certification Test Support

The Contractor shall provide technical labor required to support planning, prepare data and support Aircraft Certification Flight Qualification Testing to be conducted by the Government at Eglin AFB prior to any other Qualification Flight Tests. Software analysis, and physical and compatibility tests shall be accomplished. The Contractor shall provide the necessary test support and problem resolution to obtain flight clearance. The Contractor shall be responsible for shipping of the pod and support equipment to and from the test facility.

1.6.4 Qualification Test & Evaluation Management/Support

The Contractor shall provide Field Service Engineering (FSE) support for flight tests in support of the SNIPER certification at the USAF AFOTC. The Contractor's support shall include Qualification Test & Evaluations (QT&E) Flight Readiness Review, bench testing, data analysis, problem identification and resolution, engineering support for any Sniper equipment integration problems and FSE support in Edwards AFB, CA. The Contractor shall provide inputs and support to the QT&E test plan, which shall be prepared for all QT&E activities. At the completion of Sniper flight test, the Contractor shall support the generation of reports documenting the test results. The Contractor shall repair and maintain test assets during Sniper flight tests. The Contractor shall be responsible for shipping of the pod and engineering test equipment to and from the test facility.

1.6.5 Qualification Operational Test & Evaluation Support

The Contractor shall provide Field Service Engineering (FSE) support for flight tests in support of the Sniper certification at the AFOTEC located at Nellis AFB, NV. The Contractor's support shall include Qualification Operational Test & Evaluation (QOT&E) Flight Readiness Review, bench testing, data analysis, problem identification and resolution, engineering support for any Sniper equipment integration problems and FSE support at the first MOB. The Contractor shall provide inputs and support to the

QOT&E test plan, which shall be prepared for all QOT&E activities. At the completion of Sniper flight tests, the Contractor shall support the generation of reports documenting the test results. The Contractor shall repair and maintain test assets during flight tests. The Contractor shall be responsible for shipping of the pod and engineering test equipment to and from the test facilities.

1.7 Support Equipment

The Contractor shall define Sniper unique support equipment for operating site-level storage, handling and transport of Sniper pods and Line Replaceable Units (LRUs); removal and installation of pods from the aircraft; and removal and replacement of LRUs from pods. Sufficient equipment shall be provided to support the operational availability requirements. The Contractor shall identify and recommend the details of this equipment through submission CDRL A008, Logistics Management Information Summaries (DI-ALSS-81530/T). Organization level support equipment shall be documented in accordance with CDRL A012 (DI-DRPR-81000A/T). The Contractor shall record and prepare minutes of the Engineering Data Guidance Conference in accordance with CDRL A022 (DI-ADMIN-81250A). A portable maintenance aid (PMA) shall be provided to interface with the pods when removed from the aircraft. The PMA shall display the pod's BIT diagnostics for maintenance off aircraft.

1.7.1 STORAGE STANDS

The O-level support equipment required for the Sniper pod will include storage stands and existing F-16 support equipment. The Contractor shall provide two (2) storage stands to be utilized on the flight line or other unprotected storage facility to allow easy transfer of pods and to facilitate loading/off-loading of the pod. The stand shall provide access for the replacement of all LRUs and for appropriate fault analysis.

1.7.2 PORTABLE MAINTENANCE AIDS

The O-level support equipment useful for supporting the Sniper pod will include Portable Maintenance Aids (PMA's). The Contractor shall provide one (1) PMA to be utilized on the flight line or other unprotected storage facility to enhance organization level maintenance activities. The Contractor shall provide two (2) PMA for each war-time contingency spares pack provided.

1.8 SHIPPING CONTAINERS

The Contractor shall deliver reusable shipping containers which shall be documented in accordance with CDRL A012 (DI-DRPR-81000A/T). Shipping container test results shall be document in accordance with CDRL A013 (DI-NDTI-80809B/T). Specific container requirements shall be screened against the Container Design Retrieval System (CDRS) in accordance with CDRL A014 (DI-PACK-80683A) prior to container design. The Contractor shall pack and ship Sniper and the shipping containers in compliance with AFMC Form 158. The Contractor shall provide associated packaging

documentation in accordance with the CDRL A015 (DI-PACK-80120B/T) and CDRL A016 (DI-PACK-80121B/T).

1.8.1 Pod Containers

The Contractor shall provide reusable shipping containers for the SNIPER pods at a monthly rate as required to support the IDIQ structure. The containers shall be delivered with the Sniper to aid in the maintenance, storage and shipment of the pod to and from each site.

1.8.2 LRU Containers

The Contractor shall procure and deliver reusable shipping containers for the Spares provisioning for each of the activated sites at a monthly rate as required to support the IDIQ structure. The containers shall be delivered with the spares applicable to 2.1.5 and 2.2.5 of this SOW, for each site.

1.9 Technical Data

Where exercised by the Government, the Contractor shall provide technical data under the "A" and "B" Series CDRLs.

1.10 Interim Contractor Support (ICS)

The Contractor shall plan, schedule and coordinate the introduction of Sniper assets into the operational environment in close cooperation with the Government. An Interim Contractor Support Plan shall be developed to implement depot support for early production units. The ICS plan will utilize the production facilities and minimize investment commitment. ICS planning tasks includes spares support, support for deployment and contingencies, technical data, support equipment, warranty implementation, and depot repair.

1.10.1 Total System Support Responsibility (TSSR)

The Contractor shall maintain Total System Support Responsibility (TSSR) for the Sniper following the guidelines of AFI-10-602 for the ten (10) elements of Air Force Logistics Management. The Contractor shall develop and track support system metrics such as repair turn time and parts availability. The metrics shall be used to assess the sustainment of the Sniper, ground support systems, operations and maintenance, and supply chain. Corrective actions will be developed, as required, including updates to systems engineering data, technical data, and the implemented support concept. In addition, with specific regard to parts obsolescence each subcontractor will be required to provide advance notification and full disclosure of any event, financial or other, and any occurrence, technological or other, that will impact on the continuous flow of the materials purchased under the subcontract. TSSR shall include the project

management, item management, production control, two-way repair transportation, inventory of spares and repair material, sustaining hardware and software engineering, financial management, contract management, logistics management, configuration control, provisioning, and quality control functions during the ICS period of performance.

1.10.2 Maintenance

The contractor shall provide all resources required to perform depot repair of Sniper hardware during the ICS period of performance. The contractor shall maintain sufficient LRU/SRU spares, repair material, and shipping containers to implement ICS.

1.11 CID Incorporation

The Contractor shall perform an analysis showing the compliance of the CID performance to the System Specification. The analysis shall be documented and delivered to the USAF for approval. The report shall include pod level test criteria along with recommended acceptance test procedures necessary for verifying the field retrofit capability of the pod. Pod level performance of these parameters shall be acceptance tested on each delivered pod per USAF approved acceptance test procedures.

2.0 Sustainment Support (O-Level)

The Contractor shall provide a single point of contact for supportability and Integrated Logistics Support (ILS) data and management. An ILS program shall be implemented and maintained identifying tasks, schedule and organizations involved in the performance of support program tasks. The Contractor shall provide support and present ILS status and issues at PMRs, ILSMTs, TIMs, design reviews, and program reviews.

The Contractor shall maintain TSSR for the Sniper. The Contractor shall develop and track support system metrics such as repair turn time and parts availability. The metrics shall be used to assess the sustainment of the Sniper, ground support systems, operations and maintenance, and supply chain. Corrective actions will be developed, as required, including updates to systems engineering data, technical data, and the implemented support concept.

2.1 United States Air Force (Active Duty)

The Contractor shall provide for site activation services and organizational level support resources for 10 (ten) United States Air Force Squadrons.

2.1.1 Maintenance

The Contractor shall plan and implement a two-level support concept for the Sniper that is compliant with the requirements of the SS.

An organizational level maintenance plan shall identify the training requirements, facility requirements, hazardous material list, skill level, tool requirements, repair parts and consumables, and support equipment needed for organizational level maintenance activities. The plan shall include contingencies for operational surges.

The Contractor shall develop and provide the system support package required for activation of an organizational operating site.

The Contractor shall prepare a comprehensive plan for supporting site activation to include maintenance concept, a spares list and a description of the methodology used to determine the range/depth of spares required, a description of all required support equipment for organizational level repair, and a list of effected tech orders. The plan shall be developed in accordance with CDRL A019 (DI-ILSS-81225/T).

The Contractor shall coordinate delivery of the site activation resources and provide an on-site technical representative for initial training and maintenance in accordance with the site activation plan. Site activation of USAF CONUS and OCONUS locations shall be provided per the IDIQ structure.

The following Site Activation Criteria shall be satisfied to complete this activity:

- All Sniper equipment is in place, ready for use at the determined site activation point including:
- Eight pod systems (pods, storage stands, pod to pylons, technical manuals) at each location.
- O-Level Support Equipment is in place, operational and crew(s) fully trained, and the SNIPER can be maintained with O-Level SE.
- Two (2) shipping containers for use in rainbowing equipment.
- Range and depth of spares necessary to maintain pod availability.
- All required pilots and ground crews are trained and capable of sustaining air operations.
- Contractor not involved in any O-level operations.
- Availability requirements are met over a 30-day Site Activation mission readiness period to include the following IOC scenarios
 - Normal operations
 - Deployment
 - Contingencies

2.1.2 Sustaining Engineering

The Contractor shall provide sustained engineering support at the Contractor's facility to assure the continued producibility and supportability of the Sniper system.

2.1.3 Data

The Contractor shall provide source data for Flight and Organizational Level Maintenance manuals to incorporate Sniper specific procedures. The data shall include:

- Air Crew data
- Organizational Level maintenance data
- Pod loading and handling procedures
- SE technical data

The Contractor shall validate data by review, analysis, or physical performance prior to delivery to the Government for use during operational test and evaluation. The Government and/or a user representative, as available, may witness the validation activity. Validation activities will be scheduled to provide sufficient time for incorporation of comments prior to the next required delivery. The Contractor shall provide Technical Manuals and notices in accordance with CDRL A017 (TMCR-86-01H) and CDRL A018 (DI-TMSS-80067B/T).

2.1.4 Training

The Contractor shall provide aircrew and maintenance training for USAF personnel. The training shall include theory operation, equipment description, BIT operation and results, and flight line maintenance. Training documentation shall be provided as specified in CDRLs A020 and A021 (DI-ILSS-80872/T).

Aircrew Training Materials Source data shall be provided for integration in the F-16 operator training courses. Material shall include theory operation, equipment description, and BIT operation and results.

Maintainer Training Materials Organizational Level maintenance course materials for the SNIPER shall be developed. The course material will cover installation, removal, LRU R&R, and BIT operation and troubleshooting.

2.1.5 Spares

The Contractor shall deliver the LRU site spares and repair material required to achieve the warranted system availability.

2.2 Air National Guard

The Contractor shall provide for site activation services and organizational level support resources for 9 (nine) United States Air National Guard Squadrons.

2.2.1 Maintenance

The Contractor shall plan and implement a two-level support concept for the Sniper that is compatible with the requirements of the SS.

An organizational level maintenance plan shall identify the training requirements, facility requirements, hazardous material list, skill level, tool requirements, repair parts and consumables, and support equipment needed for organizational level maintenance activities. The plan shall include contingencies for operational surges.

The Contractor shall develop and provide the system support package required for activation of an organizational operating site.

The Contractor shall prepare a comprehensive plan for supporting site activation to include maintenance concept, a spares list and a description of the methodology used to determine the range/depth of spares required, a description of all required support equipment for organizational level repair, and a list of effected tech orders. The plan shall be developed in accordance with CDRL A019 (DI-ILSS-81225/T).

The Contractor shall coordinate delivery of the site activation resources and provide an on-site technical representative for initial training and maintenance in accordance with the site activation plan. Site activation of USANG CONUS locations shall be provided to support the IDIQ structure.

The following Site Activation Criteria shall be satisfied to complete this activity:

- All Sniper equipment is in place, ready for use at the determined site activation point including:
- Eight pod systems (pods, storage stands, pod to pylons, technical manuals) at each location.
- O-Level Support Equipment is in place, operational and crew(s) fully trained, and the Sniper can be maintained with all O-Level SE.
- Two (2) shipping containers for use in rainbowing equipment.
- Range and depth of spares necessary to maintain pod availability.

- All required pilots and ground crews are trained and capable of sustaining air operations.
- Contractor not involved in any O-level operations.
- Availability requirements are met over a 30-day Site Activation mission readiness period to include the following IOC scenarios
- Normal operations
- Deployment
- Contingencies

2.2.2 Sustaining Engineering

The Contractor shall provide sustained engineering support at the Contractor's facility to assure the continued producibility and supportability of the Sniper system.

2.2.3 Data

The Contractor shall provide source data for Flight and Organizational Level Maintenance manuals to incorporate Sniper specific procedures. The data shall include:

- Air Crew data
- Organizational Level maintenance data
- Pod loading and handling procedures
- SE technical data

The Contractor shall validate data by review, analysis, or physical performance prior to delivery to the Government for use during operational test and evaluation. The Government and/or a user representative, as available, may witness the validation activity. Validation activities will be scheduled to provide sufficient time for incorporation of comments prior to the next required delivery. The Contractor shall provide Technical Manuals and notices in accordance with CDRL A017 (DI-TMSS-80067B/T) and CDRL A018 (DI-ILSS-81225/T).

2.2.4 Training

The Contractor shall provide aircrew and maintenance training for USANG personnel. The training shall include theory operation, equipment description, BIT operation and results, and flight line maintenance. Training documentation shall be provided as specified in CDRLs A020 (DI-ILSS-80872/T) and A021 (DI-ILSS-80872/T).

Aircrew Training Materials Source data shall be provided for integration in the F-16 operator training courses. Material shall include theory operation, equipment description, and BIT operation and results.

Maintainer Training Materials Organizational Level maintenance course materials for the Sniper shall be developed. The course material will cover installation, removal, LRU R&R, and BIT operation and troubleshooting.

2.2.5 Spares

The Contractor shall deliver the LRU site spares and repair material required to achieve the warranted system availability.

3.0 Sustainment Support (Long Term)

The Contractor shall provide a long-term depot sustainment program based on the results of the SORAP and the executed CLIN options. The resulting depot can be totally Contractor Logistic Support (CLS), totally organic, or a depot partnership.

3.1 CLS Support

The Contractor shall implement CLS for the total depot support effort. The CLS effort shall be tailored by the Depot Plan. The CLS service will be exercised in FY 05 for performance during CY 05 and continue per the Depot Plan.

3.1.1 TSSR

The Contractor shall maintain Total System Support Responsibility (TSSR) for the Sniper following the guidelines of AFI-10-602 for the ten (10) elements of Air Force Logistics Management. The Contractor shall develop and track support system metrics such as repair turn time and parts availability. The metrics shall be used to assess the sustainment of the Sniper, ground support systems, operations and maintenance, and supply chain. Corrective actions will be developed, as required, including updates to systems engineering data, technical data, and the implemented support concept. In addition with specific regard to parts obsolescence each subcontractor will be required to provide advance notification and full disclosure of any event, financial or other, and any occurrence, technological or other, that will impact on the continuous flow of the materials purchased under the subcontract. TSSR shall include the project management, item management, production control, two-way repair transportation,

inventory of spares and repair material, sustaining hardware and software engineering, financial management, contract management, logistics management, configuration control, provisioning, and quality control functions during the CLS period of performance.

3.1.2 Warranty

The Contractor shall implement and administer a warranty program which shall ensure ATP availability in accordance with SS. The Contractor shall review, analyze and categorize failures, develop a database for failure tracking and procurement to recommend and implement product and process updates which improve the ATP availability without compromise to other performance parameters. The Sustainment IPT shall ensure implementation of required warranty operations at subcontractors' locations.

~~The Contractor shall implement a warranty data collection effort for operating hours and equipment failures to assess the ATP availability. Availability is calculated using the Air Force RAMPOD system.~~

3.1.3 Maintenance

The contractor shall provide depot level repair services for the period of performance. The repair services will include repair, personnel training, SE and SE maintenance, facilities maintenance, technical data maintenance, software maintenance, technical orders, and quality control.

3.2 Organic Repair Stand-up

The Contractor shall provide data to support the government Source of Repair Assignment Process (SORAP), shall participate in SORAP Working Group meetings, and shall provide documentation in accordance with CDRL A007 (DI-ATTS-80041A/T). The Contractor shall prepare and submit a Depot Maintenance Cost Report in accordance with CDRL A006 (DI-FNCL-80462/T).

The contractor shall provide the training, data, and equipment to establish organic depot repair for the line items selected in the execution of CLIN 0017, based on the SORAP decision.

Logistics Management Information (LMI) summaries will be developed in accordance with CDRL B007 (DI-ALSS-81529). Supplemental data for provisioning shall be provided as specified by CDRL B006 (DI-ALSS-81557).

3.2.1 Depot Tech Orders

The Contractor shall provide Depot Technical Manuals in commercial formats in accordance with CDRL B010 (TMCR-86-01H Tailored). Conference minutes in accordance with CDRL B011 (DI-ADMIN-81250A) shall be provided to document the results of the TO guidance, planning, and review meetings.

3.2.2 Training

The contractor shall prepare depot training materials and provide initial training services for the selected repairable line items in accordance with CDRL B009 (DI-ILSS-80872/T).

3.2.3 Test Requirements Documents

The Contractor shall submit Test Requirements Documents (TRDs) in accordance with CDRL B005 (DI-ATTS-80041A). The TRDs shall be delivered for each repairable assembly (LRU, SRU, CCA and/or Module).

3.2.4 Unique Support Equipment

The Contractor shall define and produce Sniper unique depot support equipment for repair of each Sniper LRU. Calibration and measurement requirements shall be defined and documented in accordance with CDRL B008 (DI-QCIC-80278A).

3.2.5 TSSR

The Contractor shall maintain Total System Support Responsibility (TSSR) for the Sniper following the guidelines of AFI-10-602 for the ten (10) elements of Air Force Logistics Management. The Contractor shall develop and track support system metrics such as repair turn time and parts availability. The metrics shall be used to assess the sustainment of the Sniper, ground support systems, operations and maintenance, and supply chain. Corrective actions will be developed, as required, including updates to systems engineering data, technical data, and the implemented support concept. In addition with specific regard to parts obsolescence each subcontractor will be required to provide advance notification and full disclosure of any event, financial or other, and any occurrence, technological or other, that will impact on the continuous flow of the materials purchased under the subcontract. TSSR shall include the project management, item management, production control, two-way repair transportation, inventory of spares and repair material, sustaining hardware and software engineering, financial management, contract management, logistics management, configuration control, provisioning, and quality control functions during the Organic depot repair period of performance.

**DEPARTMENT OF DEFENSE
CONTRACT SECURITY CLASSIFICATION SPECIFICATION**

(The requirements of the DoD Industrial Security Manual apply to all security aspects of this effort)

I. CLEARANCE AND SAFEGUARDING

A. FACILITY CLEARANCE REQUIRED

SECRET

B. LEVEL OF SAFEGUARDING REQUIRED

SECRET

2. THIS SPECIFICATION IS FOR: *(X and complete as applicable)*

a. PRIME CONTRACT NUMBER
F33657-01-D-2019 **Comp Date: 31 DEC 10**

b. SUBCONTRACT NUMBER

c. SOLICITATION OR OTHER NUMBER

DOE Date (YYYYMM)

3. THIS SPECIFICATION IS: *(X and complete as applicable)*

a. ORIGINAL *(Complete box in all cases)*

Date (YYYYMMDD)

00 09 21

b. REVISED *(Supersedes all previous specs)*

Revision No.

2

Date (YYYYMMDD)

1 11 08

c. FINAL *(Complete last 5 in all cases)*

Date (YYYYMMDD)

4. IS THIS A FOLLOW-ON CONTRACT? YES NO. If Yes, complete the following:

Classified material received or generated under

(Previous Contract Number) is transferred to this follow-on contract

5. IS THIS A FINAL DD FORM 254? YES NO. If Yes, complete the following:

In response to the contractor's requested dated

renewal of the identified classified material is authorized for the period of

6. CONTRACTOR *(Include Commercial and Government Entity (CAGE) Code)*

a. NAME, ADDRESS, AND ZIP CODE

Lockheed Martin, Missiles & Fire Control - Orlando
5600 Sand Lake Road
Orlando, Florida 32819-8907

b. CAGE CODE

04939

c. DOMICILIARY SECURITY OFFICE *(Name, Address, and Zip Code)*

DSS Southeast Region
2300 Lake Park Drive, Ste. 250
Smyrna, GA 30080-7606

7. SUBCONTRACTOR

a. NAME, ADDRESS, AND ZIP CODE

N/A

b. CAGE CODE

N/A

c. DOMICILIARY SECURITY OFFICE *(Name, Address, and Zip Code)*

N/A

8. ACTUAL PERFORMANCE

a. LOCATION

N/A

b. CAGE CODE

N/A

c. DOMICILIARY SECURITY OFFICE *(Name, Address, and Zip Code)*

N/A

9. GENERAL IDENTIFICATION OF THIS PROCUREMENT

USAF and ANG Advanced Targeting Pod (ATP) procurement of pods, support/test equipment, technical data, and interim contractor support.

10. THIS CONTRACT WILL REQUIRE ACCESS TO:

a. COMMUNICATIONS SECURITY INFORMATION

YES

NO

b. RESTRICTED DATA

YES

c. CRITICAL NUCLEAR WEAPON DESIGN INFORMATION

YES

d. FORMERLY RESTRICTED DATA

YES

e. INTELLIGENCE INFORMATION

(1) Executive Computer Generated Information - ECGI

YES

f. SPECIAL ACCESS INFORMATION

YES

g. NATO INFORMATION

YES

h. FOREIGN GOVERNMENT INFORMATION

YES

i. LIMITED DISSEMINATION INFORMATION

YES

j. FOR OFFICIAL USE ONLY INFORMATION

YES

k. OTHER *(Specify)*

YES

11. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL:

a. HAVE ACCESS TO CLASSIFIED INFORMATION ONLY AT ANOTHER CONTRACTOR'S FACILITY OR A GOVERNMENT ACTIVITY

YES

NO

b. RECEIVE CLASSIFIED DOCUMENTS ONLY

YES

NO

c. RECEIVE AND REPRODUCE CLASSIFIED MATERIAL

YES

NO

d. FABRICATE, REPRODUCE, OR STORE CLASSIFIED HARDWARE

YES

NO

e. MAINTAIN SERVICES ONLY

YES

NO

f. HAVE ACCESS TO U.S. CLASSIFIED INFORMATION OUTSIDE THE U.S. (RESTRICTED TO U.S. PERSONNEL AND TRUST TERRITORIES)

YES

NO

g. BE AUTHORIZED TO USE THE SERVICES OF FEDERAL TECHNICAL INFORMATION CENTER OR OTHER SECONDARY DISTRIBUTION CENTER

YES

NO

h. MAINTAIN A CREDIT ACCOUNT

YES

NO

i. HAVE TRAVEL REQUIREMENTS

YES

NO

j. HAVE OPERATIONAL REQUIREMENTS

YES

NO

k. BE AUTHORIZED TO USE THE OFFENSE COVER SERVICE

YES

NO

l. OTHER *(Specify)*

YES

NO

12. PUBLIC RELEASE. Any information classified or unclassified pertaining to this contract shall not be released for public dissemination except as provided by the Industrial Security Manual or unless it has been approved for public release by appropriate Government authority. Proposed public release shall be submitted for approval prior to release.

Direct Through Agency

ASC/PA, Building 14
1865 4th Street, Suite 15
WPAFB OH 45433-6503

In the Event of a Freedom of Information and Security Review, Office of the Assistant Secretary of Defense Public Affairs for review in the case of non-CIO User Agencies, requests for disclosure shall be referred to that agency.

13. SECURITY GUIDANCE. The security classification guidance used for this classified effort is identified below. If any difficulty is encountered in applying the guidance or if any other participating factor indicates a need for changes in the guidance, the contractor is authorized and encouraged to provide recommendations, changes, or challenge the guidance of the classification assigned to any information or material furnished or generated under this contract; and to submit any questions for interpretation of the guidance to the official identified below. Pending final decision, the information involved shall be handled and protected at the highest level of classification assigned or recommended. If it is appropriate for the classified effort, discuss or discuss under separate correspondence, any dissemination/propagation/review issues. Add additional paper as needed to provide complete guidance.

The National Industrial Security Program Operating Manual (NISPOM), January 1995 applies to this contract.

- a. Ref Blk 10a/11a: COMSEC and/or cryptographic requirements apply. See DoD 5220.22-5.
- b. Ref Blk 10e(2): Contractor will require access to intelligence information and must comply with AFI 14-303/AFMC Supplement 1. The Program Manager has determined that disclosure does not create an unfair competitive advantage for the contractor or a conflict of interest with the contractor's obligation to protect the information and will submit the AFMC Form 210 to the local SIO for approval prior to granting access.
- c. Ref Blk 10j: For Official Use Only (FOUO) applies. See Addendum.
- d. Ref Blk 11c: Any classified material generated in the performance of this contract shall require the contractor to apply derivative classification and markings consistent with the source material or be governed by the current version of the Advanced Targeting Pod Security Classification Guide, 1 Feb 01, OPR: ASC/FBL. Special Considerations Apply. See Addendum. SCG will be provided under separate cover.
- e. Ref Blk 11d: This contractor is required to provide adequate and approved storage for classified hardware or material to the level of SECRET, which because of size or quantity cannot be safeguarded in an approved storage container.
- f. Ref Blk 11i: EMSEC requirements apply. See addendum.
- g. Program Manager: Shirley Morrison, ASC/FBL, (937) 255-9174 x4513.
- h. DISTRIBUTION: 88th SFS/SFAS, 1801 Tenth St., Rm 103, WPAFB OH 45433-7625; ASC/NAIC/POA, 2690 Loop Road West, Bldg 556, Rm 017, WPAFB OH 45433-7106

Coordinated (via email) by Lt Col Andrew L. Pickens, ASC/NAIC/POA, (937) 255-8108 on 27 Aug 01

14. ADDITIONAL SECURITY REQUIREMENTS. Requirements, in addition to NISPOM requirements, are identified for this contract. If Yes, identify the pertinent contract clause in the contract document text, or provide an appropriate statement which identifies the additional requirements. Provide a copy of the requirements to the cognate security office. See Item 13 if additional space is needed.

Yes No

15. INSPECTIONS. Details of this contract are outside the inspection responsibility of the cognate security office. If Yes, identify specific areas or elements covered and the activity responsible for inspection. (See Item 13 if additional space is needed.)

Yes No

16. CERTIFICATION AND SIGNATURE. Security requirements stated herein are complete and adequate for safeguarding the classified information to be released or generated under this classified effort. All questions shall be referred to the official named below.

a. TYPED NAME OF CERTIFYING OFFICIAL Kenneth J. Lang		b. TITLE Contracting Officer	c. TELEPHONE (Include Area Code) (937) 904-5905
d. ADDRESS (Include Zip Code) ASC/FBK 2725 C STREET WPAFB OH 45433-7424		17. SECURITY DISTRIBUTION	
e. SIGNATURE 		<input checked="" type="checkbox"/> a. CONTRACTOR <input checked="" type="checkbox"/> b. SUBCONTRACTOR <input checked="" type="checkbox"/> c. COMBINED SECURITY OFFICE FOR PRIME AND SUBCONTRACTOR <input checked="" type="checkbox"/> d. U.S. ACTIVITY RESPONSIBLE FOR OVERALL SECURITY ADMINISTRATION <input checked="" type="checkbox"/> e. ADMINISTRATION CONTRACTING OFFICE <input checked="" type="checkbox"/> f. OTHER AS NECESSARY	

DD Form 254, DEC 90 (REF ID: A671) (FORMERLY (MIL) 254-100) 8 NOV 01

88th SFS/SFAS Bldg 81
1801 TENTH ST ROOM 10-3
WPAFB OH 45433-7625

**ADDENDUM TO DD FORM 254 (Block 10j)
FOR OFFICIAL USE ONLY (FOUO)**

(Reference DoD Regulation 5400.7/Air Force Supplement, 22 July 1999.)

1. **GENERAL:** FOUO is information that has not been given a security classification pursuant to the criteria of an Executive Order, but which may be withheld from the public because disclosure would cause a foreseeable harm to an interest protected by one or more of the Freedom of Information Act (FOIA) exemptions 2 through 9. Additional information on FOUO may be obtained by contacting the User Agency. FOUO is assigned to information at the time it is created in a DoD Agency or derivatively as instructed in a Security Classification Guide.
2. **MARKING:**
 - a. FOUO information received (released by a DoD component) should contain the following marking, when received: ***THIS DOCUMENT CONTAINS INFORMATION EXEMPT FROM MANDATORY DISCLOSURE UNDER FOIA. EXEMPTION(S) _____ APPLIES/APPLY.***
 - b. Mark an unclassified document containing FOUO information "FOR OFFICIAL USE ONLY" at the bottom of each page containing FOUO information and on the bottom of the front page or front cover (if any) and on the back of the last page and on the back cover (if any). Each paragraph containing FOUO information shall be marked as such.
 - c. Within a classified document, an individual page that contains both FOUO and classified information shall be marked at the top and bottom with the highest security classification of information appearing on the page. Individual paragraphs shall be marked at the appropriate classification level, as well as unclassified or FOUO, as appropriate. An individual page that contains FOUO information but no classified information shall be marked "FOR OFFICIAL USE ONLY" at the top and bottom of the page, as well as each paragraph that contains FOUO information. NOTE: For "production efficiency" the entire document may be marked top and bottom with the highest level of classification contained within it, as long as every paragraph is marked to reflect the specific classification of the information it contains.
 - d. Mark other records, such as computer print outs, photographs, films, tapes, or slides "FOR OFFICIAL USE ONLY" so that the receiver or viewer knows the record contains FOUO information.
 - e. Mark each part of a message that contains FOUO information. Unclassified messages containing FOUO information must show the abbreviation "FOUO" before the text begins.
3. **DISSEMINATION:** FOUO may be disseminated between officials of DoD Components, DoD contractors, consultants and grantees to conduct official business for DoD. Recipients shall be made aware of the status of such information and transmission shall be by means that preclude unauthorized public disclosure.
4. **TRANSMISSION:** FOUO information shall be transmitted in a manner that prevents disclosure of the contents. When not commingled with classified information, it may be sent via first-class mail or parcel post. Bulky shipments, i.e. testing materials, that otherwise qualify under postal regulations, may be sent by fourth-class mail. FOUO information may also be sent over facsimile equipment; however, when deciding whether to use this means, balance the sensitivity of the records against the risk of disclosure. Consider the location of sending and receiving machines and ensure authorized personnel are available to receive the FOUO information as soon as it is transmitted. Transmittal documents shall call attention to the presence of FOUO attachments. FOUO information may also be sent via e-mail, if it is sent via a system that will prevent unintentional or unauthorized disclosure.
5. **STORAGE:** To safeguard FOR OFFICIAL USE ONLY records during normal duty hours, place them in an out-of-sight location if your work area is accessible to persons who do not have a valid need for the information. After normal duty hours, store FOUO records to prevent unauthorized access. File them with other unclassified records in unlocked files or desks when normal internal building security is provided. When there is no internal building security, locked buildings or rooms normally provide adequate after-hours protection. If such protection is not considered adequate, FOUO material shall be stored in locked containers such as file cabinets, desks, or bookcases. *Expenditure of funds for security containers or closed areas solely for the protection of FOUO data is prohibited.*
6. **DESTRUCTION:** When no longer needed, FOUO information shall be disposed of by any method that will preclude its disclosure to unauthorized individuals.

ADDENDUM TO DD FORM 254 (Block 11c)
SPECIAL CONSIDERATIONS
(AFSSM 7011 EXTRACT)

3.5. Special Items. People may innocently introduce other radio devices, such as pagers, hand-held portable transceiver radios, cellular telephones, cordless telephones, and cordless microphones into the area processing classified national security information with disastrous results. Also, alarm systems may use radio transmitters to alert remotely located security or fire-fighting teams.

3.5.1. Hand-Held Radios. Hand-held radio transceivers used with intrabase radios (sometimes abbreviated JBR) and land mobile radios (sometimes abbreviated LMR) deserve special consideration because of their unique operational applications. A person may carry these devices into an area where classified national security information is processed. If the person carrying such a device works in the facility, either turn off the device and use the telephone or separate it 2 meters from classified processors; no transmissions are allowed. If the person carrying the device is a short-term visitor, it is not necessary to turn off the radio because the visitor usually moves about in the facility. Infrequent transmissions are allowed, but only for short durations.

3.5.2. Beepers and Pagers. Beepers and pagers deserve special consideration because of their unique operational applications. A person may carry these devices into an area where classified national security information is processed. If the person carrying such a device works in the facility, either turn off the device and use the telephone or keep the device 2 meters from classified processors. If the person carrying the device is a short-term visitor, it is not necessary to turn off the device because the visitor usually moves about in the facility. If the device has a transmit capability, follow the instructions for hand-held radios.

3.5.3. Alarm Systems. The mode of operation of alarm systems radio frequency transmitters will determine their treatment. Any such transmitter with a continuous transmit mode or a high duty cycle (transmits most of the time) must meet the same separation requirements as all other fixed transmitters. If they do not meet these requirements, exclude them from operating in the classified national security information processing area. Low duty cycle (transmits short bursts infrequently) systems are not considered hazards and require no special treatment.

3.5.4. Cellular Telephones. When a cellular telephone is used as an operational necessity separate it 5 meters from RED equipment. When the cellular telephone is a personal asset, its use is prohibited. Disable the unit from receiving calls or separate it 10 meters from RED processors.

3.5.5. Cordless Telephones. When a radio frequency cordless telephone is used as an operational necessity, separate it 5 meters from RED equipment. When the cordless telephone is a personal asset, its use is prohibited. Disable the personal cordless telephone from receiving calls or separate it 10 meters from RED processors. There are no separation requirements for infrared cordless telephones.

3.5.6. Cordless Microphones.

3.5.6.1. Radio Frequency Cordless Microphones. When a radio frequency cordless microphone, encrypted or unencrypted, is used for briefing either classified national security information or unclassified information, separate it 10 meters from RED equipment. Using unencrypted radio frequency cordless microphones for classified briefings is prohibited.

3.5.6.2. Infrared Cordless Microphones. Using an infrared cordless microphone for briefing classified national security information requires a closed room: keep the doors closed and cover the windows with drapes.

3.5.7. Cordless Keyboards. When a radio frequency cordless keyboard is used, separate it 10 meters from RED equipment. Radio frequency cordless keyboards cannot be used to process classified national security information unless encrypted.

3.5.8. Wireless Local Area Networks. When a radio frequency wireless local area network is used, separate the transmitter and receiver units 10 meters from RED equipment.

The complete document can be obtained from the Air Force Information Protection Home Page (<http://www.afca.scott.af.mil/gr/gei/>).

ADDENDUM TO DD FORM 254 (Block 11f)
EMISSION SECURITY (EMSEC) REQUIREMENTS
(FORMERLY TEMPEST REQUIREMENTS)

F33657-01-102029

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EMISSIONS SECURITY ASSESSMENT REQUEST (ESAR)

FOR ALL CLASSIFIED SYSTEMS

1. The contractor shall ensure that compromising emanations (EMSEC) conditions related to this contract are minimized.
2. The contractor shall provide countermeasure assessment data to the Contracting Officer (CO), in the form of an ESAR. The ESAR shall provide only specific responses to the data required in paragraph 3 below. The contractor's standard security plan shall NOT be used as a "stand-alone" ESAR response. The contractor shall NOT submit a detailed facility analysis/assessment. The ESAR information will be used to complete an EMSEC Countermeasures Assessment Review of the contractor's facility to be performed by the government EMSEC authority using current Air Force EMSEC directives. EMSEC is applied on a case-by-case basis and further information may be required to complete the review. ~~The contractor shall provide this information to the CO when requested. After the evaluation of the ESAR by the government EMSEC authority, additional EMSEC requirements may be necessary. When changes to the information required in paragraph 3 below occurs (including, but not limited to, relocation, additions, or deletions of equipment from the original approved room), the contractors shall notify the CO of these changes. Upon request, the contractor shall submit to the CO a new ESAR, identifying the new configuration at least 30 days before the change occurs. The contractor shall NOT commence processing with the new configuration until receiving, as a minimum, interim approval from the CO.~~
3. *ESAR contents shall include, as a minimum, the following information:
 - a. The specific classification and special categories of material to be processed/handled by electronic means. Include percentage of each classification level used including unclassified (i.e., 5% Top Secret, 10% Secret/SAR, 25% Secret, 60% Unclassified).
 - b. The specific location (complete address, building/room number, or office) where classified processing will be performed. Include identification of any other contractor/company located within 200 meters of the facility.
 - c. Attach a copy of the Defense Investigative Service (DIS) Form 147 to validate physical security and approved storage level of the facility.
 - d. Provide the name, title, and telephone number (commercial and/or DSN) of a point of contact at the facility where processing will occur.
4. The prime contractor shall ensure that all subcontractors and/or vendors comply with EMSEC requirements when performing classified processing related to this contract. The subcontractor will provide the above documentation through their prime to the CO to complete the ESAR.

*NOTE: A copy of your Automated Information System Security Plan(s) (AISSP) will suffice.

Effective 2 October 2000

ADDENDUM TO DD FORM 254 (Block 11i)
EMISSION SECURITY (EMSEC) REQUIREMENTS
(FORMERLY TEMPEST REQUIREMENTS)

Page 2 of 2 Pages

EMISSIONS SECURITY ASSESSMENT REQUEST (ESAR)

FOR TOP SECRET SYSTEMS

1. In addition to the information required for all classified systems, the following will be required for Top Secret processing:

a. Identify the radius (in meters) of the physical control space available around the system, equipment, or facility. Describe the barriers, doors, fences, walls, etc that define the area. Describe the control exercised over the area during duty and nonduty hours. Describe other factors, which contribute to control (i.e., visitor procedures, escort requirements, searches of personnel and/or vehicles, etc).

b. Identify the type and location (relative to the classified system) of any unfiltered/telephone or communication lines, shielded or unshielded twisted pair cables or fiber, underground or unfiltered power lines, conduit, heating and air conditioning ducts, water pipes, etc, that transgress the established controlled area.

c. Describe the building in which the classified system(s) is housed, i.e., concrete block outer walls, 2" X 4" and single ply gypsum board inner walls, true floor to true ceiling walls, metallic (steel) or solid wood doors, windows (if there are windows, describe the type of coverings on them), etc.

d. Diagrams and/or drawings would be extremely helpful.

2. Additional information may be requested upon review of the documentation provided.

CLIN	SUPPLIES OR SERVICES	TEP QTY	TEP PRICE 7-01	NTE QTY	NTE PRICE 7-01
0001	ADVANCED TARGETING POD	168	[REDACTED]		[REDACTED]
0004	POD SHIPPING CONTAINERS	42	[REDACTED]	522	[REDACTED]
0005	F-16 ATP PYLONS	168	[REDACTED]	130	[REDACTED]
0006	INITIAL LRU SPARES			206	[REDACTED]
0007	INITIAL LRU SHIPPING CONTAINERS				[REDACTED]
0008	INTERIM CONTRACTOR SUPPORT				[REDACTED]
0010	WARRANTY				[REDACTED]
0011	OPERATIONAL LEVEL SUPPORT EQUIPMENT	168	[REDACTED]	522	[REDACTED]
0012	CONUS SITE ACTIVATION	19	[REDACTED]	19	[REDACTED]
0013	OVERSEAS SITE ACTIVATION	15	[REDACTED]	15	[REDACTED]
0015	SUSTAINING ENGINEERING - OVER AND ABOVE	4	[REDACTED]	4	[REDACTED]
0016	TOTAL SYSTEM SUPPORT RESPONSIBILITY (TSSR)				[REDACTED]
0017	ORGANIC REPAIR STAND-UP				[REDACTED]
0100	REQUIRED DATA FROM CDRL "A" SERIES				[REDACTED]
0101	DATA FROM CDRL "B" SERIES				[REDACTED]
0102	SOURCE DATA FOR T.O. GENERATION - FY01				[REDACTED]
0104	POD REFURBISHMENT - FY02				[REDACTED]
0105	POD REFURBISHMENT - FY03				[REDACTED]
0107	TRAINING - AIRCREW AND MAINTENANCE - FY01				[REDACTED]
0108	TRAINING - AIRCREW AND MAINTENANCE UPDATE - FY03				[REDACTED]
0109	TRAINING COURSE - AIRCREW AND MAINTENANCE UPDATE - FY05				[REDACTED]
0110	QT&E AND QOT&E TRAINING COURSE - FY01				[REDACTED]
0111	F-16 BLOCK 30 SCU 4 QT&E SUPPORT - FY02				[REDACTED]
0112	F-16 BLOCK 30 SCU 4 QOT&E SUPPORT - FY02				[REDACTED]
0113	F-16 BLOCK 30 SCU 5 QT&E				[REDACTED]
0114	F-16 BLOCK 30 SCU 5 QOT&E SUPPORT				[REDACTED]
0116	F-16 BLOCK 40/50 M3.1+ QT&E SUPPORT - FY02				[REDACTED]
0117	F-16 BLOCK 40/50 M3.1+ QOT&E SUPPORT - FY02				[REDACTED]
0118	F-16 BLOCK 40/50 M3.3 + QT&E SUPPORT - FY03				[REDACTED]
0119	F-16 BLOCK 40/50 M3.3 + QOT&E SUPPORT - FY03				[REDACTED]
0120	F-16 BLOCK 40/50 M4 + QT&E SUPPORT				[REDACTED]
0121	F-16 BLOCK 40/50 M4 + QOT&E SUPPORT				[REDACTED]
TOTAL EVALUATED PRICE (10.6.2.2)			\$0		\$0

0122	F-15E QT&E SUPPORT (NOT IN TEP)				
0123	F-15E QOT&E SUPPORT (NOT IN TEP)				
TOTAL NTE					Total NTE

* CLIN 0009 Contractor Logistics Support is excluded from this Summary but is included in the Pricing Tables

3.1 TABLE 1 PRICE PER POD

CUMULATIVE NUMBER OF PODS	FY 01	FY 02	FY 03	FY 04	FY 05	FY 06	FY 07
10-24	\$ [REDACTED]						
25-72	X	X	X	X	X	X	X
73-168	X	X	X	X	X	X	X
169-264	X	X	X	X	X	X	X
265-360	X	X	X	X	X	X	X
361-456	X	X	X	X	X	X	X
457-522	X	X	X	X	X	X	X

TEP Qty	24	24	24	24	24	24	24	168
TEP	\$ [REDACTED]							
NTE Qty	24	48	96	96	96	96	66	522
NTE Price	\$ [REDACTED]							

NOTE: As Delivery Orders are issued for additional quantities of Targeting Pods (ITEM 0001), the Government will determine whether warranty coverage is also required. If so, the Government must concurrently exercise the corresponding portions of Items 0006 - INITIAL LRU SPARES, 0007 - INITIAL LRU SHIPPING CONTAINERS, and 0010 - WARRANTY

3.2 TABLE 4 PRICE PER POD SHIPPING CONTAINER

CUMULATIVE NUMBER OF CONTAINERS	FY 01	FY 02	FY 03	FY 04	FY 05	FY 06	FY 07
1-6	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]	X	X	X	X
7-18	X	\$ [REDACTED]					
19-42	X	X	\$ [REDACTED]				
43-66	X	X	X	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]
67-90	X	X	X	X	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]
91-114	X	X	X	X	X	\$ [REDACTED]	\$ [REDACTED]
115-130	X	X	X	X	X	X	\$ [REDACTED]

TEP Qty	6	6	6	6	6	6	6	6	42
TEP	\$ [REDACTED]								
NTE Qty	6	12	24	24	24	24	24	16	130
NTE Price	\$ [REDACTED]								

3.3 TABLE 5 PRICE PER PYLON

CUMULATIVE NUMBER OF PYLONS	FY 01	FY 02	FY 03	FY 04	FY 05	FY 06	FY 07
1-30	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]	X	X	X	X
31-90	X	\$ [REDACTED]					
91-206	X	X	\$ [REDACTED]				

TEP Qty 24 [REDACTED] 24 [REDACTED]

TEP \$ [REDACTED] \$ [REDACTED] \$ [REDACTED] #REF! #REF! #REF! #REF! #REF! #REF! #REF!

NTE Qty 28 [REDACTED] 28 [REDACTED] 30 [REDACTED] 30 [REDACTED] 30 [REDACTED] 30 [REDACTED] 30 [REDACTED]

NTE Price \$ [REDACTED] \$ [REDACTED] \$ [REDACTED] #REF! #REF! #REF! #REF! #REF! #REF! #REF!

Total 168 #REF!

206 #REF!

3.4 TABLE 6 OFFEROR PROPOSED PER POD PRICE FOR INITIAL LRU SPARES TO SUPPORT 10-522 PODS

CUMULATIVE NUMBER OF PODS	FY 01	FY 02	FY 03	FY 04	FY 05	FY 06	FY 07
10-24	\$ [REDACTED]						
25-72	X	X	X	X	X	X	X
73-168	X	X	X	X	X	X	X
169-264	X	X	X	X	X	X	X
265-360	X	X	X	X	X	X	X
361-456	X	X	X	X	X	X	X
457-522	X	X	X	X	X	X	X

TEP Qty	24	24	24	24	24	24	24	168
TEP	\$ [REDACTED]							
NTE Qty	24	48	96	96	96	96	66	522
NTE Price	\$ [REDACTED]							

NOTE: As Delivery Orders are issued for additional quantities of Targeting Pods (ITEM 0001), the Government will determine whether warranty coverage is also required. If so, the Government must concurrently exercise the corresponding portions of Items 0006 - INITIAL LRU SPARES, 0007 - INITIAL LRU SHIPPING CONTAINERS, and 0010 - WARRANTY

3.5 TABLE 7 OFFEROR PROPOSED PER POD PRICE FOR INITIAL LRU SPARES SHIPPING CONTAINERS TO SUPPORT 10-522 PODS

CUMULATIVE NUMBER OF PODS	FY 01	FY 02	FY 03	FY 04	FY 05	FY 06	FY 07
10-24	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]	X	X	X	X
25-72	X	\$ [REDACTED]					
73-168	X	X	\$ [REDACTED]				
169-264	X	X	X	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]
265-360	X	X	X	X	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]
361-456	X	X	X	X	X	\$ [REDACTED]	\$ [REDACTED]
457-522	X	X	X	X	X	X	\$ [REDACTED]
TEP Qty	24	24	24	24	24	24	24
TEP	\$ [REDACTED]						
NTE Qty	24	48	96	96	96	96	66
NTE Price	\$ [REDACTED]						
Total							168
							\$ [REDACTED]
							522
							\$ [REDACTED]

NOTE: As Delivery Orders are issued for additional quantities of Targeting Pods (ITEM 0001), the Government will determine whether warranty coverage is also required. If so, the Government must concurrently exercise the corresponding portions of Items 0006 - INITIAL LRU SPARES, 0007 - INITIAL LRU SHIPPING CONTAINERS, and 0010 - WARRANTY

3.6 TABLE 8 INTERIM CONTRACTOR SUPPORT PER POD

CUMULATIVE NUMBER OF PODS	FY 02	FY 03	FY 04
10-24	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]
25-48	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]
49-72	X	\$ [REDACTED]	\$ [REDACTED]
73-168	X	X	\$ [REDACTED]

TEP Qty 48
 TEP \$ [REDACTED] 72
 Total \$ [REDACTED]

NTE Qty 48
 NTE Price \$ [REDACTED] 72
 Total \$ [REDACTED]

3.7 TABLE 9 CONTRACTOR LOGISTICS SUPPORT PRICE PER POD FOR MAINTENANCE PER YEAR FOR TSSR

CUMULATIVE NUMBER OF PODS	FY 03		FY 04		FY 05		FY 06		FY 07		FY 08		FY 09		FY 10	
	TSSR PER YR	MAINT. PER POD														
10-24	X	X														
25-72	X	X														
73-168	X	X														
169-264	X	X														
265-360	X	X														
361-456	X	X														
457-572	X	X														

* Not included in TEP or NTR

3.8 TABLE 10 PER POD WARRANTY PRICE

CUMULATIVE NUMBER OF PODS	FY 01	FY 02	FY 03	FY 04	FY 05	FY 06	FY 07
10-24	\$ [REDACTED]						
25-72	X	X	X	X	X	X	X
73-168	X	X	X	X	X	X	X
169-264	X	X	X	X	X	X	X
265-360	X	X	X	X	X	X	X
361-456	X	X	X	X	X	X	X
457-522	X	X	X	X	X	X	X

TEP Qty	24	24	24	24	24	24	24	Total
TEP	\$ [REDACTED]	168						
NTE Qty	24	48	96	96	96	96	66	522
NTE Price	\$ [REDACTED]							

NOTE: As Delivery Orders are issued for additional quantities of Targeting Pods (ITEM 0001), the Government will determine whether warranty coverage is also required. If so, the Government must concurrently exercise the corresponding portions of Items 0006 - INITIAL LRU SPARES, 0007 - INITIAL LRU SHIPPING CONTAINERS, and 0010 - WARRANTY

3.9 TABLE 11 OPERATIONAL LEVEL SUPPORT EQUIPMENT PER SITE

SITE	FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	FY 08
Support Equipment per site	\$ [REDACTED]						

TEP Qty	2	3	3	3	3	3	3	Total
TEP	\$ [REDACTED]	19						
NTE Qty	2	3	3	3	3	3	3	
NTE Price	\$ [REDACTED]	19						

3.11 TABLE 13 PRICE PER OVERSEAS SITE ACTIVATION

NUMBER OF OVERSEAS SITES	FY 01	FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	FY 08
Sites 1-4	\$ [REDACTED]							
TEP Qty								
TEP	\$ -	\$ -	\$ -	\$ [REDACTED]				
NTE Qty								
NTE Price	\$ -	\$ -	\$ -	\$ [REDACTED]				
Total								
								\$ [REDACTED]
								\$ [REDACTED]

3.12 TABLE 15 SUSTAINING ENGINEERING

	FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	FY 08
SUSTAINING ENGINEERING PRICE PER 50 HOURS	\$ [REDACTED]						
Units per year	10	10	10	10	10	10	10
Total	\$ [REDACTED]						
							70
							\$ [REDACTED]

TABLE 17 ORGANIC REPAIR STAND-UP

Line Item	Repair Station	LRU	LRU Description	Depot SE Cost (\$K)	Training Cost (\$K)	Depot Tech Order Cost (\$K)
001	Items Repaired on Station #1 - Core ATE/SE Common Core Test Station (mid range) EO Table and Equipment					
001a						
001b		204	Gimbal Assy LRU (w/Balance Machine)			
001c		221	Laser Range Receiver LRU			
001d		222	LST/TV LRU			
		225	IDCA LRU			
	TOTAL REPAIR STATION 1 - ATE items					
002	Items Repaired on Station #2 - Core ATE/SE Common Core Test Station (high end) ECA Interface Test Adapters (0) Thermostream and DITMCO					
002a						
002b		232	Pitch Servo ECA LRU			
002c		233	Yaw/BSM Interface ECA LRU			
002d		236	Roll ECA LRU			
002e		237	LST/CID Interface ECA LRU			
002f		238	FOV/FLIR & Laser Focus ECA LRU			
002g		239	Servo LOS Processor ECA LRU			
002h		240	Laser Risley ECA LRU			
002i		241	SW/TV Focus ECA LRU			
002j		304	Aircraft Interface Assy LRU			
002l		309	SC/Tgt Processor ECA LRU			
002m		310	CID/MBC Processor ECA LRU			
002n		311	MSI ECA LRU			
002o		353	ECU Control ECA LRU			
002p		P/O 204	BSM CCA SRU			
		P/O 225	IDCA CCA 1 and CCA 2 SRU's			
	TOTAL REPAIR STATION 2 - ATE items					
003	Items Repaired on Station #3 - Core ATE/SE Interferometer Test Station EO Table and Equipment					
003a						
003b		208	FLIR Optics LRU			
003c		217	Short Wave Optics Assy LRU			
003d		220	Laser Optics LRU			
003e		P/O 204	Boresight Assy SRU			
		P/O 222	TV Focus SRU			
	TOTAL REPAIR STATION 3 - ATE items					

TABLE 17 ORGANIC REPAIR STAND-UP

Line Item	Repair Station	LRU	LRU Description	Depot SE Cost (\$K)	Training Cost (\$K)	Depot Techs Order Cost (\$K)
Items Repaired on Station #2 - Manual/Break Out Box						
004		213	Laser Fan LRU			
005		227	Forward Servo Pwr Supply LRU			
006		228	Forward Sensor Pwr Supply LRU			
008		301	Slip Ring LRU			
009		314	Aft Multi-volt P/S-A ECA LRU			
010		321	Rectifier ECA LRU			
011		322	Motor Pwr Supply LRU			
012		325	EMI Filter/Junction Box LRU			
013		351	ECU Pod Fan LRU			
014		352	ECU Ground Fan LRU			
015		350	ECU Assembly LRU			
TOTAL REPAIRED ON Station #2 - Manual items						
Items Repaired in Station #2 - Metal Shop						
016		101	Adapter Assy LRU			
017		201	Window/Shroud Assy LRU			
018		203	FLIR Access Panel LRU			
019		209	Optical Bed Assy			
020		230	Forward Electronics Chassis LRU			
021		243	Laser Access Panel LRU			
022		303	Aft Structure Assy LRU			
023		307	Aft Electronics Chassis LRU			
024		317	Aft Electronics Access Panel LRU			
TOTAL Station #2 - Metal Shop items						
TOTAL ORGANIC REPAIR						
						Total CLIN Price

TABLE 17-A PER POD VENDOR REPAIR COST DURING ORGANIC

NUMBER OF PODS	FY 04	FY 05	FY 06	FY 07	FY 08	FY 09	FY 10
10-24	\$ [REDACTED]						
25-72	\$ [REDACTED]						
73-168	X	\$ [REDACTED]					
169-264	X	X	\$ [REDACTED]				
265-360	X	X	\$ [REDACTED]				
361-456	X	X	X	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]
457-522	X	X	X	X	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]

TABLE 17-B PER POD DISCARD ITEM COST DURING ORGANIC

NUMBER OF PODS	FY 04	FY 05	FY 06	FY 07	FY 08	FY 09	FY 10
10-24	\$ [REDACTED]						
25-72	\$ [REDACTED]						
73-168	X	\$ [REDACTED]					
169-264	X	X	\$ [REDACTED]				
265-360	X	X	X	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]
361-456	X	X	X	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]
457-522	X	X	X	X	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]
				X	X		

ATTACHMENT 10

Identification and Assertion of Restrictions on the Government's Use, Release, or Disclosure of Technical Data.

The Contractor asserts for itself, or the persons identified below, that the Government's rights to use, release, or disclose the following technical data should be restricted--

Technical Data or Computer Software To Be Furnished With Restrictions*	Basis for Assertion**	Asserted Rights Category***	Name of Person Asserting Restrictions****
LOCKHEED MARTIN SNIPER Targeting Pod P/N 77420000-009	Developed Exclusively At Private Expense	Limited Rights Under This Contract	R. Edward Strimel Director of Contracts, Fire Control and Sensors
BAE SYSTEMS Laser Rangefinder /Designator	Developed Exclusively At Private Expense	Limited Rights Under This Contract	Linda A. Dupras Contract Specialist

*If the assertion is applicable to items, components, or processes developed at private expense, identify both the data and each such item, component, or process.

**Generally, the development of an item, component, or process at private expense, either exclusively or partially, is the only basis for asserting restrictions on the Government's rights to use, release, or disclose technical data pertaining to such items, components, or processes. Indicate whether development was exclusively or partially at private expense. If development was not at private expense, enter the specific reason for asserting that the Government's rights should be restricted.

***Enter asserted rights category (e.g., government purpose license rights from a prior contract, rights in SBIR data generated under another contract, limited or government purpose rights under this or a prior contract, or specifically negotiated licenses).

****Corporation, individual, or other person, as appropriate.

Date October 2, 2001

Printed Name and Title R. Edward Strimel, Director of Contracts, Fire Control and Sensors

Signature *R. Edward Strimel*

(End of identification and assertion)

ATTACHMENT 11

Identification and Assertion of Restrictions on the Government's Use, Release, or Disclosure of Computer Software.

The Contractor asserts for itself, or the persons identified below, that the Government's rights to use, release, or disclose the following computer software should be restricted:

Technical Data or Computer Software To Be Furnished With Restrictions*	Basis for Assertion**	Asserted Rights Category***	Name of Person Asserting Restrictions****
LOCKHEED MARTIN SNIPER Targeting Pod P/N 77420000-009	Developed Exclusively At Private Expense	Restricted Rights Under This Contract	R. Edward Strimel Director of Contracts, Fire Control and Sensors
BAE SYSTEMS Laser Rangefinder /Designator	Developed Exclusively At Private Expense	Restricted Rights Under This Contract	Linda A. Dupras Contract Specialist

*Generally, development at private expense, either exclusively or partially, is the only basis for asserting restrictions on the Government's rights to use, release, or disclose computer software.

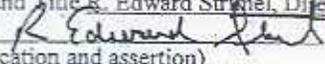
**Indicate whether development was exclusively or partially at private expense. If development was not at private expense, enter the specific reason for asserting that the Government's rights should be restricted.

***Enter asserted rights category (e.g., restricted or government purpose rights in computer software, government purpose license rights from a prior contract, rights in SBIR software generated under another contract, or specifically negotiated licenses).

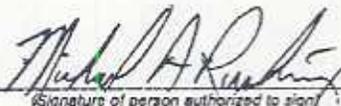
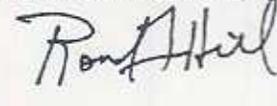
****Corporation, individual, or other person, as appropriate.

Date October 2, 2001

Printed Name and Title R. Edward Strimel, Director of Contracts, Fire Control and Sensors

Signature 

(End of identification and assertion)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE J - FFP	PAGE OF PAGES 1 of 3
2. AMENDMENT/MODIFICATION NO. P00008		3. EFFECTIVE DATE 07 NOV 2002		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY ASC/FBLK CODE		FA8607		7. ADMINISTERED BY (if other than item 6) CODE S1005A	
USAF/AFMC AERONAUTICAL SYSTEMS CENTER (ASC) 2725 C STREET, BLDG 553 WRIGHT-PATTERSON AFB OH 45433-7424 THOMAS J. REASTER 255-5869 X45885 Thomas.Reaster@wpafb.af.mil			DCMA LOCKHEED MARTIN ORLANDO 5600 SAND LAKE RD MP 49 ORLANDO FL 32819-8907		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) LOCKHEED MARTIN CORPORATION LOCKHEED MARTIN MISSILES AND FIRE CONTROL - ORLANDO 5600 WEST SAND LAKE ROAD ORLANDO FL 32819-0000 (407) 356-5190				(X) 9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. F33857-01-D-2029 10B. DATED (SEE ITEM 13)	
CODE 04939		FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. ACCOUNTING AND APPROPRIATION DATA (if required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATION OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
(X) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: () THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).					
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 43.103(a); PCOL-FBLK-02-164					
D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return 1 copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) SUBJECT: INCORPORATION OF ECP ATP 0001-"SYSTEM SPECIFICATION SNIPER XR 77420004 REVISION A", dated 8 August 2002. CHANGE IN PRICE: NONE CHANGE IN OBLIGATION: NONE					
Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print) Michael Rushing - SNIPER Contracts Manager			16A. NAME AND TITLE OF SIGNER (Type or print) RONALD E. HILL Contracting Officer		
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)		15C. DATE SIGNED 29 Oct 2002		16B. UNITED STATES OF AMERICA  BY _____ (Signature of Contracting Officer)	
				16C. DATE SIGNED NOV 07 2002	

SCHEDULE OF CHANGES

1. In accordance with the terms and conditions of Requirements Contract F33657-01-D-2029; FAR Clause 43.103(a), and PCOL-FBLK-02-164, amendment P00008 is hereby issued to accomplish the following: incorporate Engineering Change Proposal (ECP) ATP-0001 dated 8 August 2002 entitled "ATP/Sniper XR LASER MARKER" at no change in contract price, contract obligation or contract delivery schedule.

2. In accordance with the requirements called out in paragraph 1 above, the subject document is further modified as follows:

a. Section C-Description/Specs/Work Statement is revised as set forth below.

Delete: " SPC 77420004 Sniper System specification 13 June 2001"

Add: "77420004 System Specification Sniper XR (U),Rev A 8 August 2002".

b. Section J- Attachment 2, is revised as set forth below.

Delete: [REDACTED]

Add: [REDACTED]

1) The following shall be incorporated into paragraph 3.4.7 to read as follows:

[REDACTED]

2) In accordance with [REDACTED]

"Per paragraph [REDACTED]"

3. All other terms and conditions remain unchanged and in full force and effect as a result of this modification.

SECTION C- Description/Specs/Work Statement:

Delete: " SPC 77420004 Sniper System Specification 13 June 2001"

Add: "77420004 System Specification Sniper XR (U),Rev A 8 August 2002".

SCHEDULE OF CHANGES

SECTION J-LIST OF ATTACHMENTS

DOCUMENT	PGS	DATE	TITLE
Attachment 2	32	08 Aug 2002	SNIPER SYSTEM SPECIFICATION SNIPER XR(U), Rev.A (CLASSIFIED UNDER SEPARATE COVER)

CONTRACT FILES

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE J - FFP	PAGE OF PAGES 1 of 2
2. AMENDMENT/MODIFICATION NO. P00007	3. EFFECTIVE DATE 09 JUL 2002	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)	
6. ISSUED BY ASC/FBLK CODE USAF/AFMC AERONAUTICAL SYSTEMS CENTER (ASC) 2725 C STREET WRIGHT-PATTERSON AFB OH 45433-7424 THOMAS J. REASTER 255-5869 X45885 Thomas.Reaster@wpafb.af.mil	FA8607	7. ADMINISTERED BY (If other than Item 6) DCM LOCKHEED MARTIN ORLANDO 5600 SAND LAKE RD MP 49 ORLANDO FL 32819-8907		CODE S1005A
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) LOCKHEED MARTIN CORPORATION MISSILES & FIRE CONTROL - ORLANDO 5600 SAND LAKE ROAD ORLANDO FL 32819-8907		(X) 9A. AMENDMENT OF SOLICITATION NO.		
MAILING DATE JUL 24 2002		9B. DATED (SEE ITEM 11)		
		10A. MODIFICATION OF CONTRACT/ORDER NO. F33657-01-D-2029		
CODE 04939	FACILITY CODE	10B. DATED (SEE ITEM 13) 20 AUG 2001		
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.				
Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATION OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
(X)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: () THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. ITEM 10A.			
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).			
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.232-32 Performance Based Payments (Feb 2002).			
	D. OTHER (Specify type of modification and authority)			
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)				
SUBJECT: MODIFY PERFORMANCE BASED PAYMENT CRITERIA CHANGE IN PRICE: None CHANGE IN OBLIGATION: None CO E-Mail: kenneth.lang@wpafb.af.mil				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print) Michael A. Rushing, Sniper Contracts Mgr		16A. NAME AND TITLE OF SIGNER (Type or print) Kenneth J. Lang Contracting Officer		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED 18 July 02	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED 24 JUL 2002	
 (Signature of person authorized to sign)		BY  (Signature of Contracting Officer)		

Contract F33657-01-D-2029 is hereby modified by P00007 to revise Attachment 7 "Payment Criteria" in accordance with FAR 52.232-32.

1. SECTION J-Attachments:

Attachment 7, Performance Based Payments criteria table is hereby revised to include events AC, AD, AE, and AF. The revised attachment is dated 9 July, 2002 and is attached hereto.

- 2 All other contract terms and conditions remain unchanged and in full force and effect as a result of this modification.

USAF CONTRACT

F33657-01-D-2029

ATTACHMENT 7

PERFORMANCE BASED PAYMENTS

PAYMENT CRITERIA

	MILESTONE DESCRIPTION	SUCCESS CRITERIA	VERIFICATION
A	% PURCHASE ORDER LINE ITEMS PLACED	COMPLETION OF PURCHASE ORDER BLOCKS AS DEFINED BY THE DIVISION ADMINISTRATIVE CONTRACTING OFFICER (DACO) APPROVED LMC MRP SYSTEMS.	ADMINISTRATIVE CONTRACTING OFFICER (ACO) VERIFY ORDERS PLACED
B	% PURCHASE ORDER RECEIPTS COMPLETE	COMPLETION OF PURCHASE ORDER BLOCKS AS DEFINED BY THE DIVISION ADMINISTRATIVE CONTRACTING OFFICER (DACO) APPROVED LMC MRP SYSTEMS.	ACO VERIFY SUCCESSFUL COMPLETION
C	% STANDARDS COMPLETE	SUCCESS MEASURED BY A PLAN VS ACTUALS STANDARDS REPORT GENERATED ON A MONTHLY BASIS.	ACO VERIFY SUCCESSFUL COMPLETION
D	ACA COMPLETE	ACA COMPLETE. COPY PROVIDED TO GOVERNMENT FOR VERIFICATION	ACO VERIFY ACA SUCCESSFULLY COMPLETED IN ACCORDANCE WITH CONTRACT REQUIREMENTS.
E	INITIAL T.O. SOURCE DATA GUIDANCE CONFERENCE WITH LM AERO	CONTRACTOR SUPPORTED SOURCE DATA GUIDANCE CONFERENCE WITH LM AERO AND GOVERNMENT. EXCHANGED INFORMATION, SCHEDULES, AND TECHNICAL DATA	ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK
F	CONTRACTOR POD #1 AVAILABLE AND SUPPORT TO F-16 BLOCK 30 AISF # 1 CONTRACTOR POD #2 AVAILABLE AND SUPPORT TO F-16 BLOCK 30 AISF # 2 FLIGHT TEST RISK REDUCTION COMPLETE CONTRACTOR POD #3 AVAILABLE AND SUPPORT TO F-16 BLOCK 30 AISF # 3	CLEARANCE TO PROCEED TO NEXT STEP	ASC/FBL POC: TEST ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK
G	AISF#1 PERSONNEL TRAINING CONDUCTED AISF#2 PERSONNEL TRAINING CONDUCTED BLOCK 40/50 M3.1 + QOT&E TRAINING COURSE CONDUCTED	SUCCESSFUL COMPLETION OF THE COURSE TRAINING	ASC/FBL POC: LOGISTICS ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK
H	SEEK EAGLE FLIGHT CLEARANCE ISSUED BY F-16 SPO	SEEK EAGLE CERTIFICATION ISSUED BY F-16 SPO	ASC/FBL POC: TEST ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK

PAYMENT CRITERIA

MILESTONE DESCRIPTION	SUCCESS CRITERIA	VERIFICATION
I DEVELOP COURSE OBJECTIVE FOR AIRCREW AND MAINTAINER TRAINING COURSES	CONTRACTOR PRESENTS ACCEPTABLE COURSE OBJECTIVES IN ACCORDANCE WITH CDRLS A020 AND A021. PROVIDE COPY OF CORRESPONDENCE PROVIDING COURSE DATA TO GOVERNMENT.	ASC/FBL POC: LOGISTICS ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK
J DEVELOP COURSE OUTLINE FOR AIRCREW AND MAINTAINER TRAINING COURSES	TRAINING COURSE OUTLINE PROVIDED TO GOVERNMENT FOR REVIEW. TRAINING COURSE OUTLINE ACCEPTED BY GOVERNMENT.	ASC/FBL POC: LOGISTICS ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK
K A018 - TECHNICAL MANUALS PROVIDED TO GOVERNMENT	SUCCESSFUL DELIVERY OF SOURCE DATA COMPLIANT WITH CDRL A018 AND ASSOCIATED TECHNICAL MANUAL CONTRACT REQUIREMENTS (TMCR).	ASC/FBL POC: LOGISTICS ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK
L SITE SURVEY FOR SITE ACTIVATION CONDUCTED	COMPLETE SITE SURVEY IN PREPARATION FOR SITE ACTIVATION IN ACCORDANCE WITH THE SITE ACTIVATION PLAN.	ASC/FBL POC: LOGISTICS ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK
M SITE ACTIVATION COMPLETE	COMPLETE SITE ACTIVATION IN ACCORDANCE WITH SITE ACTIVATION PLAN TO INCLUDE DELIVERY AND UPLOAD OF PODS, SPARES, SUPPORT EQUIPMENT AND TRAINING	ASC/FBL POC: LOGISTICS ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK
N LIQUIDATION EVENT A017- SOURCE DATA SUBMITTED TO LM AERO COMPLETE	CONTRACTOR SUCCESSFULLY COMPLETED DELIVERY OF ALL SOURCE DATA (TO INCLUDE ANY COMMODITY MANUALS) IN ACCORDANCE WITH CDRL A017.	ASC/FBL POC: LOGISTICS ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK
O LIQUIDATION EVENT BLOCK 30 SCU 4 QOT&E TRAINING COURSE CONDUCTED	CONTRACTOR SUCCESSFULLY COMPLETED THE PRESENTATION OF COURSE MATERIAL AT AISF #3	ASC/FBL POC: LOGISTICS ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK

PAYMENT CRITERIA

MILESTONE DESCRIPTION	SUCCESS CRITERIA	VERIFICATION
<p>P LIQUIDATION EVENT Q&E REGRESSION SUPPORT TEST COMPLETED</p>	<p>Q&E BLOCK 30 FLIGHT TEST COMPLETE AND SUCCESSFUL TRANSITION TO QOT&E</p>	<p>ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK</p>
<p>Q LIQUIDATION EVENT A020, A021 - SUBMIT AIRCREW/O-LEVEL TRAINING MATERIALS</p>	<p>CONTRACTOR SUCCESSFULLY DELIVER AIRCREW AND O-LEVEL TRAINING COURSE MATERIAL IN ACCORDANCE WITH CDRLS A020 AND A021.</p>	<p>ASC/FBL POC: TEST ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK ASC/FBL POC: LOGISTICS</p>
<p>R LIQUIDATION EVENT DELIVER SYSTEM # ACTIVATE SPARES SYSTEM # ACTIVATE WARRANTY SYSTEM #</p>	<p>POD ACCEPTANCE</p>	<p>EXECUTION OF DD250 FOR POD SYSTEM</p>
<p>S LIQUIDATION EVENT DELIVER PYLONS SYSTEM #</p>	<p>ACCEPTANCE</p>	<p>EXECUTION OF DD250</p>
<p>T LIQUIDATION EVENT O-LEVEL SE DELIVERED</p>	<p>O-LEVEL SE ACCEPTANCE</p>	<p>EXECUTION OF O-LEVEL SE DD250</p>
<p>U LIQUIDATION EVENT SITE ACTIVATION COMPLETE</p>	<p>COMPLETE SITE ACTIVATION IN ACCORDANCE WITH SITE ACTIVATION PLAN TO INCLUDE DELIVERY AND UPLOAD OF PODS, SUPPORT EQUIPMENT AND TRAINING</p>	<p>ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK ASC/FBL POC: LOGISTICS</p>
<p>V LIQUIDATION EVENT POD SHIPPING CONTAINERS DELIVERED</p>	<p>ACCEPTANCE</p>	<p>EXECUTION OF DD250</p>
<p>W LIQUIDATION EVENT LRU SHIPPING CONTAINERS (LOT) DELIVERED</p>	<p>ACCEPTANCE</p>	<p>EXECUTION OF DD250</p>

PAYMENT CRITERIA

	MILESTONE DESCRIPTION	SUCCESS CRITERIA	VERIFICATION
X	FLIGHT TEST RISK REDUCTION COMPLETE	REQUIRED SUMMARY DATA PROVIDED TO GOVERNMENT FOR REVIEW.	ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK ASC/FBL POC: TEST
Y	INITIAL BLOCK 50 SIL TESTING COMPLETED 2 ND BLOCK 50 SIL TESTING COMPLETED	CLEARANCE FOR FLIGHT RELEASE ISSUED BY SIL	ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK ASC/FBL POC: TEST
Z	LIQUIDATION EVENT F-16 BLOCK 40/50 QTR&E SUPPORT COMPLETED	QTR&E BLOCK 50 FLIGHT TEST PROGRAM COMPLETED. SUCCESSFUL TRANSITION TO QOTR&E.	ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK ASC/FBL POC: TEST
AA	INTERIM CONTRACTOR SUPPORT (ICS) PROVIDED	CONTRACTOR SUPPORT PROVIDED IAW CONTRACT	ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK ASC/FBL POC: LOGISTICS
AB	LIQUIDATION EVENT ICS PERIOD EXPIRED	CONTRACTOR SUPPORT PROVIDED IAW CONTRACT	ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK ASC/FBL POC: LOGISTICS
AC	BLOCK 30 QOTR&E TEST READINESS REVIEW CONDUCTED	TEST READINESS REVIEW CONDUCTED	ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK ASC/FBL POC: TEST
AD	LIQUIDATION EVENT BLOCK 30 FLIGHT TEST SCU 4 QOTR&E COMPLETED	BLOCK 30 FLIGHT TEST SCU 4 QOTR&E COMPLETED	ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK ASC/FBL POC: TEST

PAYMENT CRITERIA

	MILESTONE DESCRIPTION	SUCCESS CRITERIA	VERIFICATION
AE	BLOCK 40/50 QOT&E TEST READINESS REVIEW CONDUCTED	BLOCK 40/50 QOT&E TEST READINESS REVIEW CONDUCTED	ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK ASC/FBL POC: TEST
AF	LIQUIDATION EVENT BLOCK 40/50 QOT&E COMPLETION	BLOCK 40/50 QOT&E RECOMMENDATION FOR FIELDING SUBMITTED BY AFOT&C TO ACC/DRA	ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK ASC/FBL POC: TEST

EVENT NO.	Payment Criteria	DATE	Chn	DESCRIPTION OF MILESTONE	ACRN AA	ACRN AB	TOTAL	0001	0004	0005	0106	0007	00010	0107
D07-1	A	Oct-01	0001	10% Purchase Order Line Items Placed		\$0		2.5%						
D07-2	A	Oct-01	0004	10% Purchase Order Line Items Placed		\$0			2.5%					
D07-3	A	Oct-01	0005	10% Purchase Order Line Items Placed		\$0				2.5%				
D07-4	A	Oct-01	0006	10% Purchase Order Line Items Placed		\$0					2.5%			
D07-5	A	Oct-01	0007	10% Purchase Order Line Items Placed		\$0						2.5%		
D07-6	A	Oct-01	0010	10% Purchase Order Line Items Placed		\$0							2.5%	
D07-7	A	Nov-01	0001	25% Purchase Order Line Items Placed		\$0		0.5%						
D07-8	A	Nov-01	0004	25% Purchase Order Line Items Placed		\$0			0.5%					
D07-9	A	Nov-01	0005	25% Purchase Order Line Items Placed		\$0				0.5%				
D07-10	A	Nov-01	0006	25% Purchase Order Line Items Placed		\$0					0.5%			
D07-11	A	Nov-01	0007	25% Purchase Order Line Items Placed		\$0						0.5%		
D07-12	A	Nov-01	0010	25% Purchase Order Line Items Placed		\$0							0.5%	
D07-13	A	Jan-02	0001	50% Purchase Order Line Items Placed		\$0		13.0%						
D07-14	A	Jan-02	0004	50% Purchase Order Line Items Placed		\$0			13.0%					
D07-15	A	Jan-02	0005	50% Purchase Order Line Items Placed		\$0				13.0%				
D07-16	A	Jan-02	0006	50% Purchase Order Line Items Placed		\$0					13.0%			
D07-17	A	Jan-02	0007	50% Purchase Order Line Items Placed		\$0						13.0%		
D07-18	A	Jan-02	0010	50% Purchase Order Line Items Placed		\$0							13.0%	
D07-19	B	Mar-02	0001	10% Purchase Order Receipts Complete		\$0		18.0%						
D07-20	B	Mar-02	0004	10% Purchase Order Receipts Complete		\$0			18.0%					
D07-21	B	Mar-02	0005	10% Purchase Order Receipts Complete		\$0				18.0%				
D07-22	B	Mar-02	0006	10% Purchase Order Receipts Complete		\$0					18.0%			
D07-23	B	Mar-02	0007	10% Purchase Order Receipts Complete		\$0						18.0%		
D07-24	B	Mar-02	0010	10% Purchase Order Receipts Complete		\$0							18.0%	
D07-25	A	May-02	0001	75% Purchase Order Line Items Placed		\$0		23.4%						
D07-26	A	May-02	0004	75% Purchase Order Line Items Placed		\$0			23.4%					
D07-27	A	May-02	0005	75% Purchase Order Line Items Placed		\$0				23.4%				
D07-28	A	May-02	0006	75% Purchase Order Line Items Placed		\$0					23.4%			
D07-29	A	May-02	0007	75% Purchase Order Line Items Placed		\$0						23.4%		
D07-30	A	May-02	0010	75% Purchase Order Line Items Placed		\$0							23.4%	
D07-31	J	May-02	0107	Develop Course Objectives for Aircrew and Maintainer Training Course		\$0								23.4%
D07-32	J	May-02	0107	Develop Course Outline for Aircrew and Maintainer Training Course		\$0								23.4%
D07-33	B	May-02	0001	25% Purchase Order Receipts Complete		\$0		29.3%						
D07-34	B	May-02	0004	25% Purchase Order Receipts Complete		\$0			29.3%					
D07-35	B	May-02	0005	25% Purchase Order Receipts Complete		\$0				29.3%				
D07-36	B	May-02	0006	25% Purchase Order Receipts Complete		\$0					29.3%			
D07-37	B	May-02	0007	25% Purchase Order Receipts Complete		\$0						29.3%		
D07-38	B	May-02	0010	25% Purchase Order Receipts Complete		\$0							29.3%	
D07-39	B	Jun-02	0001	50% Purchase Order Receipts Complete		\$0		39.0%						
D07-40	B	Jun-02	0004	50% Purchase Order Receipts Complete		\$0			39.0%					
D07-41	B	Jun-02	0005	50% Purchase Order Receipts Complete		\$0				39.0%				
D07-42	B	Jun-02	0006	50% Purchase Order Receipts Complete		\$0					39.0%			
D07-43	B	Jun-02	0007	50% Purchase Order Receipts Complete		\$0						39.0%		
D07-44	B	Jun-02	0010	50% Purchase Order Receipts Complete		\$0							39.0%	
D07-45	C	Aug-02	0001	10% Standards Complete		\$0		42.5%						
D07-46	C	Aug-02	0004	10% Standards Complete		\$0			42.5%					
D07-47	C	Aug-02	0005	10% Standards Complete		\$0				42.5%				
D07-48	C	Aug-02	0006	10% Standards Complete		\$0					42.5%			
D07-49	C	Aug-02	0007	10% Standards Complete		\$0						42.5%		
D07-50	C	Aug-02	0010	10% Standards Complete		\$0							42.5%	
D07-51	C	Sep-02	0001	25% Standards Complete		\$0		47.8%						
D07-52	C	Sep-02	0004	25% Standards Complete		\$0			47.8%					
D07-53	C	Sep-02	0005	25% Standards Complete		\$0				47.8%				
D07-54	C	Sep-02	0006	25% Standards Complete		\$0					47.8%			
D07-55	C	Sep-02	0007	25% Standards Complete		\$0						47.8%		
D07-56	C	Sep-02	0010	25% Standards Complete		\$0							47.8%	

Event Number	Liquidation Criteria	DATE	Chn	DESCRIPTION OF MILESTONE	CONTRACT VALUE			LIQUIDATION/CASH VALUE			Liquidation % Of Event	
					ACRN AA	ACRN AB	ACRN AC	TOTAL	ACRN AA	ACRN AB		TOTAL
DO7-L1	Q	Jun-02	0107	A020_A021 - Submit Aircrew/O-Level Training Mate				\$				
DO7-L2	R	Sep-02	0001	Deliver System #1				\$				33.3%
DO7-L3	R	Sep-02	0001	Deliver System #2				\$				25.0%
DO7-L4	R	Sep-02	0008	Activate Spares System #1				\$				25.0%
DO7-L5	R	Sep-02	0006	Activate Spares System #2				\$				25.0%
DO7-L6	R	Sep-02	0010	Activate Warranty System #1				\$				25.0%
DO7-L7	R	Sep-02	0010	Activate Warranty System #2				\$				25.0%
DO7-L8	S	Sep-02	0005	Deliver Pylons System #1				\$				25.0%
DO7-L9	S	Sep-02	0005	Deliver Pylons System #2				\$				25.0%
DO7-L10	R	Oct-02	0001	Deliver System #3				\$				25.0%
DO7-L11	R	Oct-02	0001	Deliver System #4				\$				25.0%
DO7-L12	R	Oct-02	0006	Activate Spares System #3				\$				25.0%
DO7-L13	R	Oct-02	0006	Activate Spares System #4				\$				25.0%
DO7-L14	R	Oct-02	0010	Activate Warranty System #3				\$				25.0%
DO7-L15	R	Oct-02	0010	Activate Warranty System #4				\$				25.0%
DO7-L16	S	Oct-02	0005	Deliver Pylons System #3				\$				25.0%
DO7-L17	S	Oct-02	0005	Deliver Pylons System #4				\$				25.0%
DO7-L18	R	Nov-02	0001	Deliver System #5				\$				25.0%
DO7-L19	R	Nov-02	0001	Deliver System #6				\$				25.0%
DO7-L20	R	Nov-02	0006	Activate Spares System #5				\$				25.0%
DO7-L21	R	Nov-02	0006	Activate Spares System #6				\$				25.0%
DO7-L22	R	Nov-02	0010	Activate Warranty System #5				\$				25.0%
DO7-L23	R	Nov-02	0010	Activate Warranty System #6				\$				25.0%
DO7-L24	S	Nov-02	0005	Deliver Pylons System #5				\$				25.0%
DO7-L26	S	Nov-02	0005	Deliver Pylons System #6				\$				25.0%
DO7-L27	R	Dec-02	0001	Deliver System #7				\$				25.0%
DO7-L28	R	Dec-02	0001	Deliver System #8				\$				25.0%
DO7-L29	R	Dec-02	0006	Activate Spares System #7				\$				25.0%
DO7-L30	R	Dec-02	0006	Activate Spares System #8				\$				25.0%
DO7-L31	R	Dec-02	0006	Activate Spares System #9				\$				25.0%
DO7-L32	R	Dec-02	0010	Activate Warranty System #7				\$				25.0%
DO7-L33	R	Dec-02	0010	Activate Warranty System #8				\$				25.0%
DO7-L34	R	Dec-02	0005	Deliver Pylons System #7				\$				25.0%
DO7-L35	S	Dec-02	0005	Deliver Pylons System #8				\$				25.0%
DO7-L36	S	Dec-02	0005	Deliver Pylons System #9				\$				25.0%
DO7-L37	S	Dec-02	0005	Deliver Pylons System #8				\$				25.0%
DO7-L38	R	Jan-03	0001	Deliver System #9				\$				25.0%
DO7-L39	R	Jan-03	0006	Activate Spares System #10				\$				25.0%
DO7-L40	R	Jan-03	0010	Activate Warranty System #10				\$				25.0%
DO7-L41	S	Jan-03	0005	Deliver Pylons System #10				\$				25.0%
DO7-L42	S	Jan-03	0005	Deliver Pylons System #11				\$				25.0%
DO7-L43	S	Jan-03	0005	Deliver Pylons System #12				\$				25.0%
DO7-L44	V	Jan-03	0004	Pod Shipping Containers (3) delivered				\$				25.0%
DO7-L45	W	Jan-03	0007	LRU Shipping Containers (1 lot) delivered				\$				25.0%
Total								\$0				\$0

EVENT NO.	Payment Criteria	DATE	CLIN	DESCRIPTION OF MILESTONE	ACRN AA	ACRN AB	TOTAL	0001	0004	0005	0008	0007	00010	0107
D07-54	C	Sep-02	0006	25% Standards Complete										
D07-55	C	Sep-02	0007	25% Standards Complete										
D07-56	C	Sep-02	0010	25% Standards Complete										
D07-57	B	Sep-02	0001	75% Purchase Order Receipts Complete		\$0								
D07-58	B	Sep-02	0004	75% Purchase Order Receipts Complete		\$0								
D07-59	B	Sep-02	0005	75% Purchase Order Receipts Complete		\$0								
D07-59	B	Sep-02	0008	75% Purchase Order Receipts Complete		\$0								
D07-51	B	Sep-02	0007	75% Purchase Order Receipts Complete		\$0								
D07-62	B	Sep-02	0010	75% Purchase Order Receipts Complete		\$0								
D07-63	C	Nov-02	0001	50% Standards Complete		\$0								
D07-64	C	Nov-02	0004	50% Standards Complete		\$0								
D07-65	C	Nov-02	0005	50% Standards Complete		\$0								
D07-66	C	Nov-02	0006	50% Standards Complete		\$0								
D07-67	C	Nov-02	0007	50% Standards Complete		\$0								
D07-68	C	Nov-02	0010	50% Standards Complete		\$0								
D07-68	C	Dec-02	0001	75% Standards Complete		\$0								
D07-70	C	Dec-02	0004	75% Standards Complete		\$0								
D07-71	C	Dec-02	0005	75% Standards Complete		\$0								
D07-72	C	Dec-02	0006	75% Standards Complete		\$0								
D07-73	C	Dec-02	0007	75% Standards Complete		\$0								
D07-74	C	Dec-02	0010	75% Standards Complete		\$0								
TOTAL						\$0								

ABOVE PRODUCTION CLIN PAYMENT VALUES ARE BASED ON THE FOLLOWING DELIVERY ORDER INFORMATION:

CLIN #	QUANTITY	TOTAL
41Prod ShipCont	10	
41Prod ShipCont	3	
51Flyons	12	
61LRU Spares	1	
71LRU ShipCont	1	
10Warranty	10	

Payment event calculation for Production CLINs

% of P.O. Line Items Paced = Total CLIN Value * 65%/Assessed Value of Mat'l Cont * 40%/Value of This Effort * Percentage work accomplished by this event (10%, 15%, 25%, 25%)

% of P.O. Line Item Receipts Complete = Total CLIN Value * 65%/Assessed Value of Mat'l Cont * 60%/Value of This Effort * Percentage work accomplished by this event (10%, 15%, 25%, 25%)

% Standards Complete = Total CLIN Value * 35%/Assessed Value of LM Labor * Percentage work accomplished by this event (10%, 15%, 25%, 25%)

NOTE: Financing shall not exceed 75% without requiring consideration from the contractor

CONTRACT FILES

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE J - FFP	PAGE OF PAGES 1 of 2
2. AMENDMENT/MODIFICATION NO. P00005		3. EFFECTIVE DATE 08 MAR 2002		4. REQUISITION/PURCHASE REQ. NO.
5. PROJECT NO. (if applicable)		6. ISSUED BY ASC/FBLK CODE FA8607		
7. ADMINISTERED BY (if other than Item 6) USAF/AFMC AERONAUTICAL SYSTEMS CENTER (ASC) 2725 C STREET WRIGHT-PATTERSON AFB OH 45433-7424 DEREK D. BONENCLARK (937) 904-5900 derek.bonenclark@wpafb.af.mil		CODE S1005A DCM LOCKHEED MARTIN ORLANDO 5600 SAND LAKE RD MP 49 ORLANDO FL 32819-8907		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) LOCKHEED MARTIN CORPORATION MISSILES & FIRE CONTROL - ORLANDO 5600 SAND LAKE ROAD ORLANDO FL 32819-8907		MAILING DATE MAR 11 2002		
9A. AMENDMENT OF SOLICITATION NO.		9B. DATED (SEE ITEM 11)		
10A. MODIFICATION OF CONTRACT/ORDER NO. F33657-01-D-2029		10B. DATED (SEE ITEM 13) 20 AUG 2001		
CODE 04939	FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:				
(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (if required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
(X) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO () THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. ITEM 10A. B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-1 Changes -- Fixed Price D. OTHER (Specify type of modification and authority)				
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return 1 copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)				
SUBJECT: Risk Reduction Flight Testing Increase CHANGE IN PRICE: None CHANGE IN OBLIGATION: None NOTE: P00004 and P00005 issued prior to P00003 Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print) Michael A. Rushing, Sniper Contracts Manager		16A. NAME AND TITLE OF SIGNER (Type or print) KENNETH J. LANG Contracting Officer		
15B. CONTRACTOR/OFFEROR <i>Michael A. Rushing</i> (Signature of person authorized to sign)		15C. DATE SIGNED 07 March 02		16B. UNITED STATES OF AMERICA BY <i>Kenneth J. Lang</i> (Signature of Contracting Officer)
15D. DATE SIGNED		16C. DATE SIGNED 08 MAR 2002		

NSN 7540-01-152-8073
PREVIOUS EDITION UNUSABLE
ConWrite Version 4.2.7
Created 07 Mar 2002 10:43 AM

30-105

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

Contract F33657-01-D-2029 is hereby modified by mutual agreement of both parties pursuant to FAR 52.243-1, Changes-Fixed Price as follows:

1. Section B - SUPPLIES OR SERVICES AND PRICES/COSTS is amended as follows:

(a) The value of CLIN 0111 is increased from \$713,826 to \$773,826, an increase of \$60,000.

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0111	CLIN Change		
	<i>Noun:</i>		F-16 BLOCK 30 SCU 4 QT&E SUPPORT - FY02
	<i>NSN:</i>		N - Not Applicable
	<i>Contract type:</i>		J - FIRM FIXED PRICE
	<i>Inspection:</i>		DESTINATION
	<i>Acceptance:</i>		DESTINATION
	<i>FOB:</i>		DESTINATION
	<i>Descriptive Data:</i>		
	The Contractor shall support the F-16 Block 30 SCU 4 QT&E IAW the Sniper System Specification and the SOW in Section C of this contract. Total CLIN amount is \$773,826.		

(b) The following Section B clause is changed to read:

B028 CONTRACT TYPE: FIRM FIXED PRICE (Feb 1997)

The Not-To-Exceed total price for this contract is \$843,293,862.00

Applicable to following Line Items: All except CLIN 0009 (CLS)

2. All other terms and conditions remain unchanged as a result of this modification.

CONTRACT FILES

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE J - FFP	PAGE OF PAGES 1 of 3
2. AMENDMENT/MODIFICATION NO. P00003		3. EFFECTIVE DATE 08 APR 2002		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY ASC/FBLK CODE		FA8607		5. PROJECT NO. (If applicable)	
USAF/AFMC AERONAUTICAL SYSTEMS CENTER (ASC) 2725 C STREET WRIGHT-PATTERSON AFB OH 45433-7424 DEREK D. BONENCLARK (937) 904-5900 derek.bonenclark@wpafb.af.mil		7. ADMINISTERED BY (If other than Item 6)		CODE S1005A	
DCM LOCKHEED MARTIN ORLANDO 5600 SAND LAKE RD MP 49 ORLANDO FL 32819-8907					
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(X)	
LOCKHEED MARTIN CORPORATION MISSILES & FIRE CONTROL - ORLANDO 5600 SAND LAKE ROAD ORLANDO FL 32819-8907				9A. AMENDMENT OF SOLICITATION NO.	
MAILING DATE APR 25 2002				9B. DATED (SEE ITEM 11)	
				X	
				10A. MODIFICATION OF CONTRACT/ORDER NO. F33657-01-D-2029	
				10B. DATED (SEE ITEM 13) 20 AUG 2001	
CODE 04939		FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATION OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
(X)					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: () THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).					
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: By mutual agreement of the Parties, FAR 43.103(a)(3) in accordance with FAR 52.232-32, PBP					
D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return 1 copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)					
SUBJECT: Incorporation of Performance Based Payments CHANGE IN PRICE: None. CHANGE IN OBLIGATION: None. P00003 being issued after P00004 and P00005. Kenneth.Lang@wpafb.af.mil					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print) Michael A. Rushing Sniper Contracts Manager			16A. NAME AND TITLE OF SIGNER (Type or print) KENNETH J. LANG Contracting Officer		
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)		15C. DATE SIGNED 16 April 02		16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE ConWrite Version 4.2.7 Created 02 Apr 2002 3:26 PM		30-105		16C. DATE SIGNED 23 APR 2002	

STANDARD FORM 30 (REV.10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

Contract F33657-01-D-2029 is hereby modified by P00003 to replace Progress payments with Performance Based Payments by mutual agreement of the Parties pursuant to FAR 43.103(a)(3) and in accordance with FAR 52.232-32.

1. Section H - Special Contract Requirements

(a) H-045 ORDERING PROVISION (Dec 2000), paragraph 6a. is administratively changed from

"a. Advanced Targeting Pods:

Capital assets on site to Support SIL and Flight Testing: 1 POD 10/01/01; 1 POD 11/30/01.

Initial Delivery(Delivery Order 0001): 2 pods, 9/24/02

Initial Deliveries for Subsequent Delivery Orders: 13 MARO

Subsequent Deliveries: 2 pods per month until order completed (except will deliver qty. 3 in Dec 02).

The Contractor shall plan pod deliveries concurrent with any other orders already received and in-process, with the maximum rate of pod deliveries per month being 8."

to

"a. Advanced Targeting Pods:

Capital assets on site to Support SIL and Flight Testing: 1 POD 10/01/01; 1 POD 11/30/01.

Initial Delivery(Delivery Order 0001): 2 pods, 9/24/02

Initial Deliveries for Subsequent Delivery Orders: 14 MARO

Subsequent Deliveries: 2 pods per month until order completed (except will deliver qty. 3 in Dec 02).

The Contractor shall plan pod deliveries concurrent with any other orders already received and in-process, with the maximum rate of pod deliveries per month being 8."

(b) H058 PERFORMANCE BASED PAYMENTS (Mar 2002) is added as follows:

"H058 PERFORMANCE BASED PAYMENTS (Mar 2002)

In accordance with FAR 52.232-32, the Contractor shall be paid on the basis of successful performance of specified events under the following conditions:

a. Successful completion criteria, invoicing procedures, and payment schedule examples are located in Section J, Attachment 7 of this contract. Performance based payment and liquidation events shall be attached to each delivery order.

b. The payment events by individual CLIN are severable. As such, payments may be made for multiple CLINs and are not dependent on completion of CLINs in any particular order. However, the payment events within each CLIN are cumulative. The successful completion of each of these events is dependent on the accomplishment of all preceding events for the CLIN. This also applies to payment events for the CLINs grouped under the "Production" category (0001,0004,0005,0006,0007,0010) by percentage of standards completed, percentage of order receipts complete, and percentage of purchase order line items placed.

c. The ACO is authorized to approve payment of Performance Based Payment events upon completion of event verification and subsequent to presentation of Contractor certification of completion. In addition, the ACO is authorized to approve payment of liquidation events in accordance with the event requirements identified in Section J, Attachment 7 of this contract.

d. CLIN's 0006(LRU Spares) & 0010(Warranty) support the availability requirements of the contract and are tied to the pod deliveries.

e. Government financing of this contract was established under the Progress Payments clause, FAR 52.232-16. FAR 32.005(a)(2) requires adequate consideration for changes to contract financing by the Government after award. The amount of new consideration must be commensurate with the added value provided to the Contractor for the financing changes. The Lockheed Martin Corporation and the Government in accordance with these requirements, hereby agree to the following:

1. Additional consideration is not required while Government financing of this contract does not exceed the 75% threshold as authorized by 52.232-16, Progress Payments, under which this contract was awarded.
2. No performance based payment schedules incorporated by delivery orders to this contract shall exceed the financing threshold identified above.
3. Any upward change to financing thresholds under this clause shall be by mutual agreement of the Parties and shall require consideration from the Lockheed Martin Corporation in accordance with FAR 32.005(a)(2)."

2. Section I - Contract Clauses

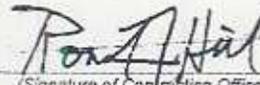
- (a) FAR 52.232-16 PROGRESS PAYMENTS (Mar 2000) is deleted.
- (b) FAR 52.232-32 PERFORMANCE BASED PAYMENTS (Feb 2002) is added.

3. Section J - Attachments

- (a) Attachment 7, Performance Based Payments dated 19 Mar 2002 is added.

4. All other contract terms and conditions remain unchanged and in full force and effect as a result of this modification.

CONTRACT FILES

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE J - FFP	PAGE OF PAGES 1 of 4
2. AMENDMENT/MODIFICATION NO. P00006		3. EFFECTIVE DATE MAY 21 2002 FA8607		4. REQUISITION/PURCHASE REQ. NO.
6. ISSUED BY ASC/FBLK CODE		7. ADMINISTERED BY (if other than item 5) CODE		S1005A
USAF/AFMC AERONAUTICAL SYSTEMS CENTER (ASC) 2725 C STREET WRIGHT-PATTERSON AFB OH 45433-7424 DEREK D. BONENCLARK (937) 904-5900 derek.bonenclark@wpafb.af.mil		DCM LOCKHEED MARTIN ORLANDO 5600 SAND LAKE RD MP 49 ORLANDO FL 32819-8907		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)			(X)	9A. AMENDMENT OF SOLICITATION NO.
LOCKHEED MARTIN CORPORATION MISSILES & FIRE CONTROL - ORLANDO 5600 SAND LAKE ROAD ORLANDO FL 32819-8907				9B. DATED (SEE ITEM 11)
MAILING DATE				10A. MODIFICATION OF CONTRACT/ORDER NO.
MAY 21 2002			(X)	F33657-01-D-2029
CODE 04939 FACILITY CODE				10B. DATED (SEE ITEM 13)
				20 AUG 2001
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.				
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (if required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATION OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
(X)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: () THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. ITEM 10A.			
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).			
(X)	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 43.103(a) and FAR 52.243-01 CHANGES -- FIXED-PRICE (AUG 1987)			
	D. OTHER (Specify type of modification and authority)			
E. IMPORTANT: Contractor ___ is not, ___ is required to sign this document and return 1 copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)				
SUBJECT: Pricing Table & CDRL Revisions/Auth. & Consent Clause Incorporation				
CHANGE IN PRICE: None.				
CHANGE IN OBLIGATION: None.				
Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)			15A. NAME AND TITLE OF SIGNER (Type or print)	
MICHAEL A. RUSHING, SNIPER CONTRACTS MGR			RONALD F. HILL Contracting Officer	
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	15B. UNLESS OTHERWISE SPECIFIED	15C. DATE SIGNED
 (Signature of person authorized to sign)		20 May 2002	BY  (Signature of Contracting Officer)	MAY 21 2002

Contract F33657-01-D-2029 is hereby modified by mutual agreement of both parties in accordance with FAR 43.103(a)(3) and FAR 52.253-01 CHANGES -- FIXED-PRICE (AUG 1987) as follows:

1. SECTION B - SUPPLIES OR SERVICES:

CLIN 0100 Required Data From CDRL "A" Series -- Descriptive Data changed from:

"The Contractor shall provide the "A" series data IAW Exhibit A, Contract Data Requirements List (CDRL), DD Form 1423. Data will not be separately priced. The price of the data will be included in the price of the ATPs."

to

"The Contractor shall provide the "A" series data IAW Exhibit A, Contract Data Requirement List (CDRL), DD Form 1423 as required. Data is not separately priced. The price of the data is included in the price of the ATPs."

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0011	CLIN Change		
	<i>Noun:</i>	OPERATIONAL LEVEL SUPPORT EQUIPMENT	
	<i>NSN:</i>	N - Not Applicable	
	<i>Contract type:</i>	J - FIRM FIXED PRICE	
	<i>Inspection:</i>	DESTINATION	
	<i>Acceptance:</i>	DESTINATION	
	<i>FOB:</i>	DESTINATION	
	<i>Descriptive Data:</i>		
	The Contractor shall provide operational support equipment IAW the SOW in Section C of this contract. The support equipment price per site is represented in Section J Attachment 8, Table 11. No further orders will be placed on this CLIN after Delivery Order 0002. Subsequent orders for operational support equipment will be placed on CLINs 0018, 0019, and 0020.		

O-Level Support Equipment(Mnx. Cart)

0018	CLIN Establish		
	<i>Noun:</i>	O-LEVEL SUPPORT EQUIPMENT(MNX. CARTS)	
	<i>NSN:</i>	N - Not Applicable	
	<i>Contract type:</i>	J - FIRM FIXED PRICE	
	<i>Inspection:</i>	DESTINATION	
	<i>Acceptance:</i>	DESTINATION	
	<i>FOB:</i>	DESTINATION	
	<i>Descriptive Data:</i>		
	The Contractor shall provide operational support equipment(mnx. carts) IAW the SOW in Section C of this contract. The support equipment price is represented in Section J Attachment 8, Table 18.		

O-Level Support Equipment(PMA)

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
------	----------------------	-------------------	---------------------------------

0019	CLIN Establish		
	<i>Noun:</i> O-LEVEL SUPPORT EQUIPMENT(PMA) <i>NSN:</i> N - Not Applicable <i>Contract type:</i> J - FIRM FIXED PRICE <i>Inspection:</i> DESTINATION <i>Acceptance:</i> DESTINATION <i>FOB:</i> DESTINATION <i>Descriptive Data:</i> The Contractor shall provide operational support equipment(Portable Maintenance Aids) IAW the SOW in Section C of this contract. The support equipment price is represented in Section J Attachment 8, Table 19.		

O-Level Support Equipment(Roll Brake Release Box)

0020	CLIN Establish		
	<i>Noun:</i> O-LEVEL SUPPORT EQUIPMENT(ROLL BRAKE RELEASE BOX) <i>NSN:</i> N - Not Applicable <i>Contract type:</i> J - FIRM FIXED PRICE <i>Inspection:</i> DESTINATION <i>Acceptance:</i> DESTINATION <i>FOB:</i> DESTINATION <i>Descriptive Data:</i> The Contractor shall provide operational support equipment(roll brake release boxes) IAW the SOW in Section C of this contract. The support equipment price is represented in Section J Attachment 8, Table 20.		

0100	CLIN Change		
	<i>Noun:</i> REQUIRED DATA FROM CDRL "A" SERIES <i>NSN:</i> N - Not Applicable <i>DD1423 is Exhibit:</i> A <i>Contract type:</i> J - FIRM FIXED PRICE <i>Inspection:</i> DESTINATION <i>Acceptance:</i> DESTINATION <i>FOB:</i> DESTINATION <i>Descriptive Data:</i> The Contractor shall provide the "A" series data IAW Exhibit A, Contract Data Requirements List (CDRL), DD Form 1423 as required. Data is not separately priced. The price of the data is included in the price of the ATPs.		

2. SECTION I - CONTRACT CLAUSES:

The following clause is added to Section I:
FAR 52.227-01 AUTHORIZATION AND CONSENT (Jul 1995)

3. SECTION J - LIST OF ATTACHMENTS:

(1) EXHIBIT A, "A" SERIES CONTRACT DATA REQUIREMENTS LIST - Revised by changing delivery requirements for A006, A007, and A023 from 120 days after contract award to 240 days after contract award. Revised Exhibit is dated 14 May 2002.

(2) ATTACHMENT 8, PRICING TABLES - Revised as follows:

(a) Tables 18-20 added to supersede Table 11.

(b) Tables 4, 5, 12, and 18-20 revised to add the following statement:

"Accelerated Fiscal Year buys may be purchased at the then year price subject to mutual agreement on contractor/vendor capacity. Quantities may not exceed the total NTE quantity. NTE quantities not reached in previous years may be purchased at current year prices."

(3) ATTACHMENT 9, CONTRACT CLIN-TO-SOW REQUIREMENTS MATRIX - Revised to add CLINs 0018, 0019, and 0020.

4. All other contract terms and conditions remain unchanged and in full force and effect as a result of this modification.

2.1.1 SF1411

CLIN	SUPPLIES OR SERVICES	TEP QTY	TEP PRICE 7-01	NTE QTY	NTE PRICE 7-01
0001	ADVANCED TARGETING POD	168	[REDACTED]	522	[REDACTED]
0004	POD SHIPPING CONTAINERS	42	[REDACTED]	130	[REDACTED]
0005	F-16 ATP PYLONS	168	[REDACTED]	206	[REDACTED]
0006	INITIAL LRU SPARES				
0007	INITIAL LRU SHIPPING CONTAINERS				
0008	INTERIM CONTRACTOR SUPPORT				
0010	WARRANTY				
0011	OPERATIONAL LEVEL SUPPORT EQUIPMENT	168	[REDACTED]	522	[REDACTED]
0012	CONUS SITE ACTIVATION	19	[REDACTED]	19	[REDACTED]
0013	OVERSEAS SITE ACTIVATION	15	[REDACTED]	15	[REDACTED]
0015	SUSTAINING ENGINEERING - OVER AND ABOVE	4	[REDACTED]	4	[REDACTED]
0016	TOTAL SYSTEM SUPPORT RESPONSIBILITY (TSSR)	10 Units/Yr. for 7 yrs.	[REDACTED]	10 Units/Yr for 7 yrs.	[REDACTED]
0017	ORGANIC REPAIR STAND-UP				
0100	REQUIRED DATA FROM CDRL "A" SERIES				
0101	DATA FROM CDRL "B" SERIES				
0102	SOURCE DATA FOR T.O. GENERATION - FY01				
0104	POD REFURBISHMENT - FY02				
0105	POD REFURBISHMENT - FY03				
0107	TRAINING - AIRCREW AND MAINTENANCE - FY01				
0108	TRAINING - AIRCREW AND MAINTENANCE UPDATE - FY03				
0109	TRAINING COURSE - AIRCREW AND MAINTENANCE UPDATE - FY05				
0110	QT&E AND QOT&E TRAINING COURSE - FY01				
0111	F-16 BLOCK 30 SCU 4 QT&E SUPPORT - FY02				
0112	F-16 BLOCK 30 SCU 4 QOT&E SUPPORT - FY02				
0113	F-16 BLOCK 30 SCU 5 QT&E				
0114	F-16 BLOCK 30 SCU 5 QOT&E SUPPORT				
0116	F-16 BLOCK 40/50 M3.1 + QT&E SUPPORT - FY02				
0117	F-16 BLOCK 40/50 M3.1 + QOT&E SUPPORT - FY02				
0118	F-16 BLOCK 40/50 M3.3 + QT&E SUPPORT - FY03				
0119	F-16 BLOCK 40/50 M3.3 + QOT&E SUPPORT - FY03				
0120	F-16 BLOCK 40/50 M4 + QT&E SUPPORT				
0121	F-16 BLOCK 40/50 M4 + QOT&E SUPPORT				
TOTAL EVALUATED PRICE (10.6.2.2)			\$0		\$0
0122	F-15E QT&E SUPPORT (NOT IN TEP)				
0123	F-15E QOT&E SUPPORT (NOT IN TEP)				
TOTAL NTE				Total NTE	

* CLIN 0009 Contractor Logistics Support is excluded from this Summary but is included in the Pricing Tables

3.1 TABLE 1 PRICE PER POD

CUMULATIVE NUMBER OF PODS	FY 01		FY 02		FY 03		FY 04		FY 05		FY 06		FY 07	
	TEP Qty	NTE Price												
10-24	24	\$ [REDACTED]												
25-72	24	\$ [REDACTED]	48	\$ [REDACTED]	96	\$ [REDACTED]	66	\$ [REDACTED]						
73-168	24	\$ [REDACTED]												
169-264	24	\$ [REDACTED]												
265-360	24	\$ [REDACTED]												
361-456	24	\$ [REDACTED]												
457-522	24	\$ [REDACTED]												
Total	168	\$ [REDACTED]												

NOTE: As Delivery Orders are issued for additional quantities of Targeting Pods (ITEM 0001), the Government will determine whether warranty coverage is also required. If so, the Government must concurrently exercise the corresponding portions of Items 0006 - INITIAL LRU SPARES, 0007 - INITIAL LRU SHIPPING CONTAINERS, and 0010 - WARRANTY

TY\$

3.2 TABLE 4 PRICE PER POD SHIPPING CONTAINER

CUMULATIVE NUMBER OF CONTAINERS	FY 01	FY 02	FY 03	FY 04	FY 05	FY 06	FY 07
1-6	\$ [redacted]						
7-18	X	\$ [redacted]					
19-42	X	X	\$ [redacted]				
43-66	X	X	X	\$ [redacted]	\$ [redacted]	\$ [redacted]	\$ [redacted]
67-90	X	X	X	X	\$ [redacted]	\$ [redacted]	\$ [redacted]
91-114	X	X	X	X	X	\$ [redacted]	\$ [redacted]
115-130	X	X	X	X	X	X	\$ [redacted]

TEP Qty	TEP	FY 01	FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	Total
6	\$ [redacted]	6	6	6	6	6	6	6	42
NTE Qty	\$ [redacted]	6	12	24	24	24	24	16	130
NTE Price	\$ [redacted]								

Note: Accelerated Fiscal Year buys may be purchased at the then year price subject to mutual agreement on contractor/vendor capacity. Quantities may not exceed the total NTE quantity. NTE quantities not reached in previous years may be purchased at current year prices.

3.6 TABLE 8 INTERIM CONTRACTOR SUPPORT PER POD

CUMULATIVE NUMBER OF PODS	FY 02	FY 03	FY 04
10-24	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]
25-48	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]
49-72	X	\$ [REDACTED]	\$ [REDACTED]
73-168	X	X	\$ [REDACTED]

TEP Qty 48 Total \$ [REDACTED]
 TEP \$ [REDACTED]
 NTE Qty 48
 NTE Price \$ [REDACTED] 72 \$ [REDACTED]

3.7 TABLE 9 CONTRACTOR LOGISTICS SUPPORT PRICE PER POD FOR MAINTENANCE PER YEAR FOR TSSR

CUMULATIVE NUMBER OF PODS	FY 03		FY 04		FY 05		FY 06		FY 07		FY 08		FY 09		FY 10	
	TSSR PER YR	MAINT. PER POD														
10-24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
25-72	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
73-168	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
169-264	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
265-360	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
361-456	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
457-522	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

* Not included in TSP or NTE

TY\$

3.8 TABLE 10 PER POD WARRANTY PRICE

CUMULATIVE NUMBER OF PODS	FY 01	FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	
10-24	X			X	X	X	X	
25-72								
73-168	X	X						
169-264	X	X	X					
265-360	X	X	X	X				
361-456	X	X	X	X	X			
457-522	X	X	X	X	X	X		
TEP Qty	24	24	24	24	24	24	24	Total 168
TEP	\$	\$	\$	\$	\$	\$	\$	\$
NTE Qty	24	48	96	96	96	96	66	522
NTE Price	\$	\$	\$	\$	\$	\$	\$	\$

NOTE: As Delivery Orders are issued for additional quantities of Targeting Pods (ITEM 0001), the Government will determine whether warranty coverage is also required. If so, the Government must concurrently exercise the corresponding portions of Items 0006 - INITIAL LRU SPARES, 0007 - INITIAL LRU SHIPPING CONTAINERS, and 0010 - WARRANTY

TYS

3.9 TABLE 11 OPERATIONAL LEVEL SUPPORT EQUIPMENT PER SITE*

SITE	FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	FY 08	
Support Equipment per site	\$ [REDACTED]							
TEP Qty	2	3	3	3	3	3	3	Total 19
TEP	\$ [REDACTED]							
NTE Qty	2	3	3	3	3	3	2	Total 19
NTE Price	\$ [REDACTED]							

*This table is superseded by Tables 18-20 in accordance with contract modification P00006. All additional operational level support equipment orders shall be placed on CLINs 0018-0020 using Tables 18-20 of this attachment.

3.10 TABLE 12 PRICE PER CONUS SITE ACTIVATION

NUMBER OF CONUS SITES	FY 01	FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	FY 08	
Sites 1-8	\$ [REDACTED]								
TEP Qty	0	2	3	2	2	2	2	2	Total 15
TEP	\$ -	\$ [REDACTED]							
NTE Qty	0	2	3	2	2	2	2	2	Total 15
NTE Price	\$ -	\$ [REDACTED]							

Note: Accelerated Fiscal Year buys may be purchased at the then year price subject to mutual agreement on contractor/vendor capacity. Quantities may not exceed the total NTE quantity. NTE quantities not reached in previous years may be purchased at current year prices.

3.11 TABLE 13 PRICE PER OVERSEAS SITE ACTIVATION

NUMBER OF OVERSEAS SITES	FY 01	FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	FY 08
Sites 1-4	\$ [REDACTED]							
TBP Qty	\$ -	\$ -	\$ -	\$ [REDACTED]				
TBP	\$ -	\$ -	\$ -	\$ [REDACTED]				
NTE Qty	\$ -	\$ -	\$ -	\$ [REDACTED]				
NTE Price	\$ -	\$ -	\$ -	\$ [REDACTED]				
								Total
								4
								4

3.12 TABLE 15 SUSTAINING ENGINEERING

SUSTAINING ENGINEERING PRICE PER 50 HOURS	FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	FY 08	Total
Units per year	\$ [REDACTED]							
	10	10	10	10	10	10	10	70

TABLE 17 ORGANIC REPAIR STAND-UP

Line Item	Repair Station	LRU	LRU Description	Depot SE Cost (\$K)	Training Cost (\$K)	Depot Tech Order Cost (\$K)
001	Items Repaired on Station #1 - Core ATE/SE Common Core Test Station (mid range) EO Table and Equipment					
001a		204	Gimbal Assy LRU (w/Balance Machine)			
001b		221	Laser Range Receiver LRU			
001c		222	LST/TV LRU			
001d		225	IDCA LRU			
	TOTAL REPAIR STATION 1 - ATE items					
002	Items Repaired on Station #2 - Core ATE/SE Common Core Test Station (high end) ECA Interface Test Adapters (6) Thermostream and DITMCO					
002a		232	Pitch Servo ECA LRU			
002b		233	Yaw/BSM Interface ECA LRU			
002c		236	Roll ECA LRU			
002d		237	LST/CID Interface ECA LRU			
002e		238	FOV/FLIR & Laser Focus ECA LRU			
002f		239	Servo LOS Processor ECA LRU			
002g		240	Laser Risley ECA LRU			
002h		241	SW/TV Focus ECA LRU			
002i		304	Aircraft Interface Assy LRU			
002j		309	SC/Tgt Processor ECA LRU			
002k		310	CID/MBC Processor ECA LRU			
002m		311	MSI ECA LRU			
002n		353	ECU Control ECA LRU			
002o		P/O 204	BSM CCA SRU			
002p		P/O 225	IDCA CCA 1 and CCA 2 SRU's			
	TOTAL REPAIR STATION 2 - ATE items					
003	Items Repaired on Station #3 - Core ATE/SE Interferometer Test Station EO Table and Equipment					
003a		208	FLIR Optics LRU			
003b		217	Short Wave Optics Assy LRU			
003c		220	Laser Optics LRU			
003d		P/O 204	Boresight Assy SRU			
003e		P/O 222	TV Focus SRU			
	TOTAL REPAIR STATION 3 - ATE items					

TABLE 17 ORGANIC REPAIR STAND-UP

Line Item	Repair Station	LRU	LRU Description	Depot SE Cost (\$K)	Training Cost (\$K)	Depot Tech Order Cost (\$K)
Items Repaired on Station #2 - Manual/Break Out Box						
004		213	Laser Fan LRU			
005		227	Forward Servo Pwr Supply LRU			
006		228	Forward Sensor Pwr Supply LRU			
008		301	Slip Ring LRU			
009		314	Alt Multi-volt P/S-A ECA LRU			
010		321	Rectifier ECA LRU			
011		322	Motor Pwr Supply LRU			
012		325	EMI Filter/Junction Box LRU			
013		351	ECU Pod Fan LRU			
014		352	ECU Ground Fan LRU			
015		350	ECU Assembly LRU			
TOTAL REPAIRED ON Station #2 - Manual Items						
Items Repaired in Station #2 - Metal Shop						
016		101	Adapter Assy LRU			
017		201	Window/Strout Assy LRU			
018		203	FLIR Access Panel LRU			
019		209	Optical Bed Assy			
020		230	Forward Electronics Chassis LRU			
021		243	Laser Access Panel LRU			
022		303	Alt Structure Assy LRU			
023		307	Alt Electronics Chassis LRU			
024		317	Alt Electronics Access Panel LRU			
TOTAL Station #2 - Metal Shop Items				\$0.0		
TOTAL ORGANIC REPAIR					Total CLIN Price	

TABLE 17-A PER POD VENDOR REPAIR COST DURING ORGANIC

NUMBER OF PODS	FY 04	FY 05	FY 06	FY 07	FY 08	FY 09	FY 10
10-24	\$ [REDACTED]						
25-72	\$ [REDACTED]						
73-168	X	\$ [REDACTED]					
169-264	X	X	\$ [REDACTED]				
265-360	X	X	X	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]
361-456	X	X	X	X	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]
457-522	X	X	X	X	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]

TABLE 17-B PER POD DISCARD ITEM COST DURING ORGANIC

NUMBER OF PODS	FY 04	FY 05	FY 06	FY 07	FY 08	FY 09	FY 10
10-24	\$ [REDACTED]						
25-72	\$ [REDACTED]						
73-168	X	\$ [REDACTED]					
169-264	X	X	\$ [REDACTED]				
265-360	X	X	X	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]
361-456	X	X	X	X	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]
457-522	X	X	X	X	X	\$ [REDACTED]	\$ [REDACTED]

3.9 TABLES 18-20 OPERATIONAL LEVEL SUPPORT EQUIPMENT*

These tables added by P00006

Pricing per Item	FY01**	FY02	FY03	FY04	FY05	FY06	FY07	FY08	Total
Table 18									
Cart									
Unit Price									
TEP Qty	6	4	4	4	4	6	6	4	38
TEP									
NTE Qty***	6	16	4	4	4	6	6	4	50
NTE Price									
Table 19									
PMA									
Unit Price									
TEP Qty	3	2	2	2	2	3	3	2	19
TEP									
NTE Qty***	3	8	2	2	2	3	3	2	25
NTE Price									
Table 20									
Roll Brake Release									
Unit Price									
TEP Qty	3	2	2	2	2	3	3	2	19
TEP									
NTE Qty***	3	8	2	2	2	3	3	2	25
NTE Price									
TEP total									
NTE total									

*Includes an additional 6 SetsQ Carts, 1 PMA, 1 Roll Brake Release) of Test Support Equipment for FY02 only
 **FY01 NTE quantities were acquired under Delivery Order 0002 through CLIN 0011 (Table 11).
 ***Accelerated FY buys may be purchased at the Then Year price subject to mutual agreement on contractor/vendor capacity. Quantities may not exceed the total NTE quantity.
 NTE quantities not reached in previous years may be purchased at current year prices.

Sniper XR ATP CLIN-SOW Requirements Matrix

This matrix is provided to give each ordering customer an immediate reference to the relevant and implemented paragraphs of the SOW applicable to each CLIN when ordered.

SOW	CLIN	WBS #	WBS Title	IMP	CDRL
		1.0	ATP Production		
		1.1	Prime Mission Equipment		
1.1.1, 1.2.1.1, 1.2.4, 2.2.2, 2.1.2	CLIN 0001	1.1.1	Pods	4-02-02, 5-01-01, 6-01-01	A009, B001, B002, B003, B004, B011
1.1.2	CLIN 0005	1.1.2	Pylons	4-02-03, 5-01-02, 6-01-02	
1.1.3	CLIN 0105	1.1.3	Pod Refurbishment - FY 03		
		1.2	System Engr / Pgm Mgmt		
1.2.1, 1.2.1.1, 1.2.1.2	CLIN 0001, 0015	1.2.1	Integrated Prod & Process Dev & Risk Management	1-00-00, 1-01-00, 1-01-01, 1-01-02, 1-01-03, 1-01-04, 1-01-05, 1-01-06, 1-01-07, 1-01-10, 1-02-00, 1-02-03, 1-02-04, 1-02-05, 1-03-00, 1-03-07, 1-03-08, 1-03-09, 1-04-00, 1-04-07	A011, A023
1.2.2	CLIN 0001	1.2.2	Configuration / Data Management and Data		A005, A001, A002, A003
1.2.1.1, 1.2.3	CLIN 0001	1.2.3	Product Improvement Management	1-02-07	
1.2.1.1.1, 1.2.4	CLIN 0001	1.2.4	Conformance Verification	1-03-11	

Sniper XR ATP CLIN-SOW Requirements Matrix

SOW	CLIN	WBS #	WBS Title	IMP	CDRL
1.2.5	CLIN 0102	1.2.5	Associate Contractor Agreement	1-01-09, 1-04-01, 1-04-03	A004
		1.3	F-16 Blk 30 Aircraft Integration & Test		
1.3, 1.3.1	CLIN 0111	1.3.1	ATP Integration & Test	2-01-00, 2-01-01, 2-01-02, 2-01-03, 2-01-04, 2-01-05	
	CLIN 0113	1.3.1.1	ATP Integration & Test		
1.3.2	CLIN 0111, 0110	1.3.2	Avionics Software Integration Facility Test Support	2-02-00, 2-02-01, 2-02-02, 2-02-03, 2-02-04	
	CLIN 0113	1.3.2.1	Avionics Software Integration Facility Test Support - FY 02		
1.3.3	CLIN 0111	1.3.3	SEEK Eagle Test Support	1-04-06, 2-03-00, 2-03-01, 2-03-02, 2-03-03, 2-03-04	
1.3.4	CLIN 0111	1.3.4	Qualification Test & Evaluation Mgmt / Support	2-00-00, 2-04-00, 2-04-03, 2-03-04, 2-03-05, 2-03-06, 3-01-00, 3-01-01	
	CLIN 0113	1.3.4.1	Qualification Test & Evaluation Mgmt / Support - FY 02		
1.3.5	CLIN 0112	1.3.5	Qualification Operational Test & Evaluation Support	3-00-00, 3-02-00, 3-02-01, 3-02-02, 3-02-03, 3-02-04, 3-03-00	
	CLIN 0114	1.3.5.1	Qualification Operational Test & Eval. Mgmt / Support - FY 02		
1.4, 1.4.1	CLIN 0116	1.4	F-16, Block 40/50 Series Aircraft Integration & Test		
	CLIN 0118	1.4.1	ATP Integration & Test		
		1.4.1.1	ATP Integration & Test		

Sniper XR ATP CLIN-SOW Requirements Matrix

SOW	CLIN	WBS #	WBS Title	IMP	CDRL
1.4.2	CLIN 0116	1.4.2	Software Integration Laboratory Test Support (40/50)	4-01-00, 4-01-01, 4-01-02, 4-01-03, 4-01-04	
	CLIN 0118	1.4.2.1	Software Integration Laboratory Test Support (40/50) - FY 03		
	CLIN 0120	1.4.2.2	Software Integration Laboratory Test Support (40/50) - FY 03		
1.4.3	CLIN 0116	1.4.3	SEEK Eagle Validation / Verification	4-02-00, 4-02-01, 4-02-02, 4-02-03, 4-02-04, 4-02-05, 4-02-06, 4-02-07	
1.4.4	CLIN 0116	1.4.4	Qualification Test & Evaluation Mgmt / Support	4-02-01, 4-03-01, 4-03-02, 4-03-03, 4-03-04, 4-03-05	
	CLIN 0118	1.4.4.1	Qualification Test & Evaluation Mgmt / Support - FY 03		
	CLIN 0120	1.4.4.2	Qualification Test & Evaluation Mgmt / Support - FY 03		
1.4.5	CLIN 0117	1.4.5	Qualification Operational Test & Evaluation Support	4-00-00, 4-03-00, 4-03-05, 4-03-06, 4-03-07, 4-03-08, 4-03-09, 4-03-10, 4-04-00	
	CLIN 0119	1.4.5.1	Qualification Operational Test & Eval. Mgmt / Support - FY 03		
	CLIN 0121	1.4.5.2	Qualification Operational Test & Eval. Mgmt / Support - FY 03		
1.5	CLIN 0122	1.5	F-15E Aircraft Reqmts, Integration and Test Planning		
		1.6	F-15E Aircraft Integration and Test		
1.5, 1.6,	CLIN 0122	1.6.1	ATP Integration and Test		
1.6.1					
1.6.2	CLIN 0122	1.6.2	Software Integration Lab Test Support		
1.6.3	CLIN 0122	1.6.3	(Seek Eagle Test Support) Aircraft Certification		
1.6.4	CLIN 0122	1.6.4	Qualification Test & Evaluation Mgmt / Support		
1.6.5	CLIN 0123	1.6.5	Qualification Operational Test & Evaluation Support		
		1.7	Support Equipment		A022

Sniper XR ATP CLIN-SOW Requirements Matrix

SOW	CLIN	WBS #	WBS Title	IMP	CDRL
1.7, 1.7.1	CLIN 0011, 0018, 0019, 0020	1.7.1	Storage Stands	5-01-05, 6-01-05	A008, A012
1.7.2	CLIN 0011, 0019	1.7.2	Miscellaneous		
		1.8	Shipping Containers		A012, A013, A014, A015, A016
1.8, 1.8.1	CLIN 0004	1.8.1	Pod Containers	1-04-04, 5-01-04, 6-01-04	
1.8.2	CLIN 0007	1.8.2	LRU containers	1-04-05	
1.9		1.9	Technical Data		
1.2.2	CLIN 0100	1.9.1	Data from CDRL "A" Series	1-01-11, 1-02-01, 1-02-02, 1-03-01, 1-03-02, 1-03-03, 1-03-04, 1-03-05, 1-03-06, 1-04-02, 1-04-08, 2-04-01, 2-04-02, 5-01-06, 5-02-01, 5-02-05, 5-02-06, 6-01-06	
1.2.2	CLIN 0101	1.9.2	Data from CDRL "B" Series		
1.10		1.10	Interim Contractor Support (ICS)		
1.10.1	CLIN 0008	1.10.1	TSSR	5-02-09, 6-02-06	
1.10.2, 2.2.1	CLIN 0008	1.10.2	Maintenance	3-01-02, 3-02-05, 4-03-11	
2.0		2.0	Sustainment Support (O-Level)		B007
2.1		2.1	USAF (Active Duty)		
2.1.1		2.1.1	Maintenance		A019

Sniper XR ATP CLIN-SOW Requirements Matrix

SOW	CLIN	WBS #	WBS Title	IMP	CDRL
2.1.2	CLIN 0012, 0013	2.1.2	Sustaining Engineering	5-00-00, 5-01-00, 5-02-00, 5-02-02, 5-02-03, 5-02-04, 5-03-00, 5-03-01, 5-03-02, 5-03-03	
2.1.3		2.1.3	Data		A017, A018
2.1.4	CLIN 0012, 0013, 0108, 0109, 0107	2.1.4	Training	5-02-07, 5-02-08	A020, A021
2.1.5	CLIN 0006	2.1.5	Spares	5-01-03	
2.2		2.2	ANG		
2.2.1		2.2.1	Maintenance		A019
2.2.2	CLIN 0012	2.2.2	Sustaining Engineering	6-02-00, 6-02-01, 6-02-02, 6-02-02, 6-03-00, 6-03-01, 6-03-02, 6-03-03	
2.2.3		2.2.3	Data		A017, A018
2.2.4	CLIN 0012, 0108, 0109, 0107	2.2.4	Training	6-02-04, 6-02-05	A020, A021
2.2.5	CLIN 0006	2.2.5	Spares	6-01-03	
3.0, 3.1		3.0	Sustainment Support (Long Term)		
3.1.1	CLIN 0009	3.1	CLS Support		
	CLIN 0009	3.1.1	TSSR - Summary		
	CLIN 0009	3.1.1.1	TSSR		
3.1.2	CLIN 0009	3.1.1.2	End Item Repair		
3.1.3	CLIN 0010	3.1.2	Warranty		
	CLIN 0009	3.1.3	Maintenance		

Sniper XR ATP CLIN-SOW Requirements Matrix

SOW	CLIN	WBS #	WBS Title	IMP	CDRL
3.2		3.2	Organic Repair Stand-up		A006, A007, B006, B007
3.2.1	CLIN 0017	3.2.1	Depot Tech Orders		B010, B011
3.2.2	CLIN 0017	3.2.2	Training		B009
3.2.3	CLIN 0017	3.2.3	Test Requirement Documents		B005
3.2.4	CLIN 0017	3.2.4	Unique Support Equipment		B008
	CLIN 0016	3.2.5	TSSR		

Nonrecurring	Organic Cost	Sunk Cost	Contract Cost	Notes
Facilities	\$ 0	\$ 0	\$ 0	
Supt Equipment	\$ 0	\$ 0	\$ 0	
LRU TPS	\$ 0	\$ 0	\$ 0	Summary line
SRU TPS	\$ 0	\$ 0	\$ 0	
Other SE	\$ 0	\$ 0	\$ 0	
Training	\$ 0	\$ 0	\$ 0	
Tech Data Development	\$ 0	\$ 0	\$ 0	
Procure LRU's (Test Assets)	\$ 0	\$ 0	\$ 0	
Initial Spares	\$ 0	\$ 0	\$ 0	
Other costs	\$ 0	\$ 0	\$ 0	
Total Initial Investment	\$ 0	\$ 0	\$ 0	

Recurring	Organic Cost	Contract Cost
Facilities Maintenance	\$ 0	\$ 0
Supt Equipment Maintenance	\$ 0	\$ 0
Depot Repair Cost	\$ 0	\$ 0
Software Support	\$ 0	\$ 0
Tech Data Maintenance	\$ 0	\$ 0
Recurring Training	\$ 0	\$ 0
Other Cost	\$ 0	\$ 0
Total Yearly Cost	\$ 0	\$ 0
Sustainment Cost	\$ 0	\$ 0

Methodology

Nonrecurring:

- Facilities
- Support Equipment Equals (LRU TPS + SRU TPS + Other Supt Equipment)
- LRU TPS
- SRU TPS
- Other Supt Equipment
- Training
- Tech Data Development
- Procure LRU's
- Initial Spares
- Other Costs

Recurring:

- Facilities Maintenance
- Supt Equipment Maint Estimated at 5% per year of cost of support equipment
- Depot Repair Cost Throughput from data sheet
- Software Support Estimated at 5% of SLOC per year * 1.1 man-hours per SLOC* \$101 per man-hour (FY98\$)
- Tech Data Maintenance Estimated at average number of data pages updated annually * \$716/pages (FY98\$)
- Recurring Training Estimated at 5% per year of cost of initial training
- Other Cost

Please provide any necessary data references and backup documentation. Significant variation in costs between organic and contract shall be fully explained.

1.1 NOTE: SOURCE FOR THE ABOVE TEMPLATE IS AIR FORCE SOURCE OF REPAIR ASSIGNMENT PROCESS (SORAP) GUIDE AFI 63-107

ATTACHMENT 3 DATED 3 MAY 2000.

LMI SUMMARY WORKSHEET

DI-ALSS-81530

1 August 1997

1. **SUMMARY TITLE:** SUPPORT AND TEST EQUIPMENT
 - 1.1 Summary Sub-title: SUPPORT EQUIPMENT RECOMMENDATION DATA (SERD)
2. **SPECIFIC INSTRUCTIONS:** Identify all equipment (mobile or fixed) required to support the operation and maintenance of an end article/system. SERD required for each item of equipment (both contractor furnished and government furnished) identified as a resolution to each functional requirement.
 - 2.1 SERD shall provide:
 - 2.1.1 Narrative descriptions of the SE requirement.
 - 2.1.2 Administrative/identification data about the SE and the article(s) requiring support.
 - 2.1.3 SE supersedure/deletion/distribution data.
 - 2.1.4 Design data requirements.
 - 2.1.5 Integrated Logistics Support (ILS) data requirements.
 - 2.1.6 SE parametric and Unit Under Test (UUT) related information.
 - 2.1.7 A sketch or line art drawing to clarify descriptive narrative of the SE item. All contractor furnished equipment (CFE)/nonstocklisted items will include a sketch.
 - 2.2 Unless specified otherwise, SERD shall not be prepared for items or classes of equipment as follows:
 - 2.2.1 Common nonpowered hand tools.
 - 2.2.2 Housekeeping items
 - 2.2.3 Office furniture and equipment
 - 2.2.4 Common production tools and tooling such as lathes, drill presses, plating equipment, induction heaters, and powered hand tools
 - 2.2.5 Facility installation equipment
 - 2.2.6 Manufacturer's equipment such as items listed above and items which are used only by the contractor.
3. **DATA IN LMI SPECIFICATION:** LMI Data Product Worksheet for SE attached.
4. **DATA NOT IN LMI SPECIFICATION:** To be discussed at Provisioning Guidance Conference.
5. **SUMMARY LAYOUT:** Contractor Provided.

LMI DATA PRODUCT WORKSHEET
 DI-ALSS-81530/T FOR SUPPORT EQUIPMENT/STANDARD/MODIFIED HANDTOOLS

1	DATA PRODUCT TITLE	HANDTOOL	SERD	DPD#
2	ALLOWANCE ITEM CODE		X	0010
3	ALLOWANCE ITEM QUANTITY		X	0020
4	AUTOMATIC DATA PROCESSING EQUIPMENT CODE (ADPE)		X	0040
5	BASIS OF ISSUE (BOI)		X	0050
6	CALIBRATION AND MEASUREMENT REQUIREMENTS SUMMARY RECOMMENDED		X	0060
7	CALIBRATION INTERVAL		X	0070
8	CALIBRATION ITEM		X	0080
9	CALIBRATION PROCEDURE		X	0090
10	CALIBRATION REQUIRED		X	0100
11	CALIBRATION TIME		X	0110
12	COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE	X	X	0140
13	CONTRACTOR FURNISHED EQUIPMENT/GOVERNMENT FURNISHED EQUIPMENT		X	0150
14	CONTRACTOR RECOMMENDED		X	0160
15	CONTRACTOR TECHNICAL INFORMATION CODE (CTIC)	X	X	0170
16	DEMILITARIZATION CODE (DMIL)		X	0230
17	DESCRIPTION/FUNCTION AND CHARACTERISTICS OF SUPPORT EQUIPMENT	X	X	0240
18	DESIGN DATA CATEGORY CODE		X	0250
19	DESIGN DATA PRICE		X	0260
20	END ITEM ACRONYM CODE (EIAC)		X	0270
21	ESTIMATED PRICE	X	X	0290
22	FUNCTIONAL ANALYSIS		X	0320
23	HARDWARE DEVELOPMENT PRICE		X	0350
24	INPUT POWER SOURCE		X	0390
25	INSTALLATION FACTORS OR OTHER FACILITIES		X	0400
26	INTEGRATED LOGISTIC SUPPORT (ILS) PRICE		X	0410
27	ILS REQUIREMENTS CATEGORY CODE		X	0420
28	INTERCHANGE CODE (IC)		X	0430
29	ITEM CATEGORY CODE (ICC)		X	0460
30	ITEM DESIGNATOR CODE	X	X	0470
31	ITEM NAME	X	X	0480
32	LINE REPLACEABLE UNIT	X		0520
33	MEAN TIME BETWEEN FAILURES (MTBF)		X	0630
34	MEAN TIME TO REPAIR (MTR)		X	0640
35	MEASUREMENT BASE MTBF		X	0650
36	MOBILE FACILITY CODE		X	0670
37	NATIONAL STOCK NUMBER AND RELATED DATA PARAMETERS	X	X	0680
38	PARAMETERS		X	0770
39	PASS THROUGH PRICE		X	0780
40	PRECIOUS METAL INDICATOR CODE (PMIC)		X	0790
41	PREPARING ACTIVITY		X	0800
42	PRODUCTION LEAD TIME (PLT)	X	X	0830
43	QUANTITY PER TEST		X	0970
44	RECURRING COST		X	1020
45	REFERENCE NUMBER	X	X	1050
46	REFERENCE NUMBER CATEGORY CODE (RNCC)		X	1060
47	REFERENCE NUMBER VARIATION CODE (RNVC)		X	1070
48	REVISION		X	1120
49	SERVICE DESIGNATOR CODE (SER)		X	1180
50	SKILL SPECIALITY CODE FOR SE OPERATOR		X	1210
51	SOURCE MAINTENANCE AND RECOVERABILITY CODE - SE	X	X	1220
52	SE DIMENSIONS - OPERATING/SHIPPING/STORAGE		X	1300
53	SE EXPLANATIONS		X	1310
54	SE RECOMMENDATION DATA NUMBER (SERIAL NUMBER)		X	1320
55	SE RECOMMENDATION DATA NUMBER REV/SUPERSEDE REMARKS		X	1330
56	SE WEIGHT - OPERATING/SHIPPING/STORAGE		X	1340
57	TEST ACCURACY RATIO (TAR)		X	1380
58	TOTAL QUANTITY RECOMMENDED	X		1400
59	TYPE EQUIPMENT CODE		X	1410
60	UNIT OF ISSUE/UNIT OF MEASURE PRICE (UI/UM) PRICE		X	1500

ATTACHMENT TO CDRL SEQ.NO. A012

CONTINUATION OF DD FORM 1423 (DI-DRPR-81000A/T)**BLOCK 3: Organizational Level Support Equipment****BLOCK 4:**

DI-DRPR-81000A is tailored as follows:

- a. Paragraph 7.1, delete in its entirety.
- b. Paragraph 10.1, delete in its entirety and replace with "10.1 Reference Documents. The applicable documents apply as cited in the DD Form 1423 and continuation sheets."
- c. Paragraph 10.2, delete "Product drawings and associated lists shall meet the requirements of MIL-DTL-31000A".
- d. Delete Paragraph 10.3 in its entirety and replace with "10.3 Drawing Forms. The contractor shall utilize their own forms for Product Drawings and Associated Lists, which meet the requirements of ANSI Y14.1. (The government does not furnish forms for drawing formats)"
- e. Paragraph 10.4, delete "Product Drawings and Associated Lists shall conform to the requirements of ASME Y14.100M, ASME Y14.34M and, where DoD peculiar requirements must be met, MIL-STD-100" and replace with "Product Drawings and Associated Lists shall conform to the requirements of MIL-STD-100F, ASME Y14.24, ASME Y14.35M, ASME Y14.34M and DD Form 1423."
- f. Paragraph 10.6, delete "Selection Work Sheet incorporated in the contract or purchase order." and replace with "DD Form 1423."
- g. Paragraph 10.7, delete "The Selection Work Sheet incorporated in the contract or purchase order will specify whether the contractor or the Government is responsible for selecting the types of drawings and lists." and replace with "The contractor is responsible for selecting the types of drawings and lists."

BLOCK 9:

DISTRIBUTION STATEMENT. Distribution statements shall be in accordance with DoD Directive 5230.24 and included on the first sheet of each drawing near the title block, and shall be as follows:

"DISTRIBUTION STATEMENT D. Distribution authorized to the DoD and DoD contractors only; Critical Technology; 13 October 2000. Other requests shall be referred to WR-ALC/LYTSA."

Note: Certain types of technical data preclude placing the entire notice on the document. To accommodate this problem an abbreviated version is authorized as follows:

"Statement D, DoD and Contractors, WR-ALC/LYTSA"

EXPORT CONTROL NOTICE. The Export Control Notice shall be in accordance with DoD Directive 5230.24.

DESTRUCTION NOTICE. Mark documents with one of the following:

a. For unclassified limited documents: "DESTRUCTION NOTICE. Destroy by any method that will prevent disclosure of contents or reconstruction of the document."

b. For classified documents: "DESTRUCTION NOTICE. Follow the procedures in DoD 5220.22-M, *Industrial Security Manual*, section 11-19, or DoD 5200.1R, *Information Security Program Regulation*, chapter IX."

BLOCK 10: Revisions/changes to the final delivered data shall be furnished quarterly, commencing the first quarter after destination acceptance of the final reproducible data and continue until the contract is closed. Quarterly updates shall include an updated IDL, reference A.F. Drawing 9579776. Negative reports shall be submitted to ASC/FBLE.

BLOCK 11: 15 days before the end of the quarter.

BLOCK 12 AND 13:

1.1.1.1. All data submittals shall contain a shipping list prepared to include as a minimum, the document number, revision level, and number of sheets/pages. Part number, noun and drawing size is optional. The data delivered shall be in the same sequence as the shipping list. Unless prior approval is granted by ASC/FBLE, shipments of data must be for complete assemblies, i.e., LRU's and SRU's. Shipping list shall specify whether the shipment is updates, final or make-up.

2. When a specific revision of an engineering document has been previously furnished and approved by a USAF Engineering Data Repository in microfilm or digital form as a result of any government contract, and is required by this DD Form 1423, the same data shall not be resubmitted providing it meets the requirements in the DD Form 1423 for existing data. This data shall be identified as being previously submitted and approved and shall include the document number, revision, and contract number under which the data were submitted. The receiving USAF Engineering Data Repository shall be identified. This action is required concurrent with all submittals.

3. Within 90 days after successful government verification of the final Qualification Test and Evaluation (QT&E), an Indentured Data List (IDL) per Air Force (CAGE 98752) drawing 9579776 shall be delivered.

4. Within 90 days after successful government verification of the final QT&E, one set of paper copies of all "final reproducible data" (reference Block 14 of the DD 1423) shall be delivered. Submittal shall be accompanied by a letter of transmittal. Paper copy submittal will be reviewed within 120 days after receipt of data, unless additional time is required, at which time the contractor will be notified.

a. Submittal of programming files, per Air Force (CAGE 98752) drawing 9579776, Software and Firmware Data is not required for this (paper) submission.

b. Concurrent with the paper copies the contractor shall submit four (4) representative samples of each digital data format per Air Force (CAGE 98752) drawing 9579776, (Native, Neutral, HPGL, Drawing Metadata Spreadsheet, etc.).

5. Within 60 days after approval of paper copy, one set of all "final reproducible data" (reference Block 14 of the DD 1423) shall be delivered to ASC/FBLE, 420 Second Street Suite 100, Robins AFB GA 31098-1640. If changes have been required to the IDL since delivery in 3 above, resubmittal shall be required.

BLOCK 16:

1. Contractor Activity and Part Identification: The contractor shall use his own design activity identifier (CAGE) and shall assign his own design activity drawing numbers. This number shall be or shall include the drawing number on which the item is described. Where more than one item is described on a drawing, unique identification shall be provided by the addition of a suffixed dash number with the following limitations:

- a. The total length of the part number including dash numbers and spaces shall not exceed 32 characters.
- b. The dash number shall have the same characteristics as drawing numbers and may be composed of numbers, letters, or any combination thereof.
- c. Part numbers shall not include the drawing revision letter, the contractor CAGE, or the drawing format size letter.

2. Content, format, and media requirements for delivery of Digital Engineering Data: The contractor shall comply with Air Force (CAGE 98752) drawing 9579776.

3. Engineering Data: Product Drawings and Associated Lists shall document complete item design and manufacturing processes necessary to obtain and test hardware to the lowest component part that can be procured as a separate entity. This includes but is not limited to special tooling, interface hardware, special test equipment, and support equipment.

4. Relationship of Contractor with Subcontractors/Vendors: The contractor shall levy on subcontractors/vendors the same requirements for Technical Data Packages (TDPs) as are levied on them by this contract. This requirement shall be flowed down to the lowest tier subcontractor/vendor associated with the program.

5. Order of Preference:

Priority I

Documents mandated for use by law or regulation pursuant to law.

Priority II

Performance Oriented Documents: (a) Non-Government Standards; (b) Commercial Item Descriptions; (c) Federal Specifications and Standards; (d) Military Specifications and Standards.

Priority III

Design Based Documents: (a) Non-Government Standards; (b) Federal Specifications and Standards; (c) Military Specifications and Standards

Priority IV

Standards, specifications and related publications issued by the Government outside the military or federal series for the non-repetitive acquisition of developmental items.

Priority V

Company Specifications

6. ENGINEERING DRAWING PRACTICES: The contractor shall use the practices described in MIL-STD-100F. For clarification the documents listed in paragraph 2 of MIL-STD-100F shall be considered first tier and shall apply. ANSI Y14.1 is tailored as follows: Para 7.1, remove "should", and add "shall". Paragraph 12.2 add, "Sheets shall be numbered beginning with one (1) and continue, using consecutive whole integers." The contractor may find it useful to incorporate the concepts of MIL-HDBK-288 into the preparation of the TDP. MIL-HDBK-288 refers to Engineering Drawing Package (EDP); this term shall be considered synonymous with TDP.

7. Source Control Drawings: Source Control Drawing Approval Requests shall be submitted. The request (letter) shall be submitted to the requiring office in Block 6 of this DD Form 1423 prior to the preparation or use of a Source Control Drawing. The letter shall be marked with Distribution Statement "A" in accordance with DoD-D-5230.24. Preparation instructions are as follows:

a. Format - The Source Control Drawing Approval Request shall be in the contractor's format.

b. Content - The request shall specify the following:

- (1) Nomenclature and description of the item.
- (2) The critical application (s) for which the item is to used.
- (3) Number of applications per end item.
- (4) Item status as a repair part.
- (5) System performance requirements requiring source qualification.
- (6) Procedures and criteria required to qualify a source.
- (7) Sources of supply and manufacturers' part numbers.
- (8) Cost of the item involved.
- (9) Estimated cost to qualify a source.
- (10) Impact on contract cost, schedule and performance if use of source control drawing is not permitted.
- (11) Copy of the Non-standard part approval request, if the DoD Parts Control Program is applicable under the contract or purchase order.

8. Control Drawings: The contractor shall not identify his own company as a source on control drawings, unless one additional source is also shown. A separate division of the contractor's company, with a different manufacturers code (CAGE) may be shown, if it is actually a source. Control drawings not developed for this contract (existing drawings) shall be updated, to show current information (i.e., performance/qualification requirements, vendors/sources names and part numbers).

9. Existing Data: When existing data meets the following criteria, or will be modified or revised to meet the following criteria, it shall be used in lieu of preparing new data:

- a. It is furnished with rights-in-data consistent with the contract stipulations regarding data rights;
- b. It is furnished at a cost to the government equal to or less than preparing new data;
- c. It meets the highest quality of legibility and reproducibility available in the commercial world. (Reproduced paper copies shall be direct reading and shall not require magnification).
- d. It meets the design disclosure requirements of the TDP element of which it is to be a part of.
- e. It is identified by a Commercial and Government Entity (CAGE) Code, document number, title and applicable contract number(s).

f. Any nonstandard symbols, drawing or documentation practices used are explained in the document or in a document referenced on the document containing the nonstandard symbol or practice.

10. Legibility and Reproducibility: All documents prepared or submitted shall meet the highest legibility and producibility requirements available in the commercial market controlling the media in which the data is to be delivered.

11. Parenthetical Information: Design activity identifying numbers may be referenced parenthetically to identify in-house peculiar documents (documents not necessary for the production and quality of the item). Parenthetically identified documents are not a required deliverable; however, if the government deems this document necessary, it shall be delivered. Engineering drawings and Part Lists (PL) using parenthetical identification shall carry a note thereon indicating parenthetical identities are for reference only.

12. Referenced Documents: Documents referenced in a TDP shall be furnished as an integral part of that TDP except where the documentation meets the requirement of the paragraph titled Existing Data above, and has been furnished and approved under a previous contract in the same revision to any USAF repository. When first tier references do not provide the technical information required by the TDP element, subordinate reference documents shall be provided until the design disclosure requirements are met. Technical manuals/orders, procedural manuals, and maintenance manuals shall not be referenced within the TDP. When information essential to meeting TDP design disclosure requirements (such as default surface finish values) are contained in such documents, that information must be incorporated in a document acceptable for inclusion in the TDP.

13. Protecting Classified Information: TDPs or parts thereof, containing classified information shall be protected and marked in accordance with the Department of Defense Industrial Security Manual for Safeguarding Classified Information, DoD Manual 5220.22-M.

14. Contract Numbers: When a TDP document is prepared under a Government contract, the Government contract number under which it is prepared shall appear on the first sheet of the document original. When a TDP document is delivered under a Government contract other than the one under which it was prepared, the Government contract number under which it is delivered shall also appear on the first sheet of each copy submitted. If the document is prepared and submitted under the same contract, only the entry for the contract under which it is prepared is required.

15. Application of Contract Numbers: When TDP documents or copies thereof are to be delivered under a subsequent or other contract, cost effective techniques may be used to apply the delivery contract numbers. Examples of such techniques are using a rubber stamp for paper copies, photographic overlays for microfilm, or electronic application to digital data.

16. Application Block: All new and revised drawings shall contain an Application Block. The Application Block is mandatory for all drawings. The Application Block shall be near the Title Block. The Application Block shall show the "Next Assembly" and "Used On". When an item is used in more than three applications, the entry "general usage" may be used.

17. Environmental Stress Screening (ESS): TDP documents shall contain ESS criteria, and the implementation of that criteria, necessary to ensure system performance at design levels directly or by reference on TDP elements.

a. Selected item drawings are required for all items and assemblies that require the application of ESS selection criteria to meet system requirements. The TDP element shall define, directly or by reference, the ESS selection criteria applied to the item or assembly identified.

b. Incoming ESS inspection procedures used on materiel/items which do not require selected item drawing delineation shall be required directly or by reference on the TDP element identifying that materiel/item.

c. Any ESS utilized during manufacturing/production in addition to the selected item ESS or incoming inspection criteria, shall be required either directly or by reference on applicable TDP documents.

18. Traceability: The contractor shall prepare the TDP in such a manner to insure that all applicable documents i.e., Artwork, Schematics, and Test Criteria, etc., are referenced within the TDP for traceability.

19. Preparation Method: American English language shall be used in the preparation of this TDP. All drawings shall be prepared using Third Angle Orthographic Projection method of presentation. The symbol for angle of projection shall be delineated in the Title Block of newly prepared or revised engineering data. (see ANSI Y14.3 figure 2).

20. TDP Validation: The contractor shall validate that the TDP and elements thereof conform to the contractual requirements, and that they accurately depict the item(s) developed, modified, or produced under the contract. Successful use of the TDP in producing, inspecting and testing the item(s) is considered acceptable evidence that the validation requirement has been met.

21. Test Criteria: Test criteria is an inherent part of the TDP. Test criteria shall be incorporated, either directly on each TDP document or by reference, for each end item, top assembly item, configured item, and lowest assembled item IAW Air Force (CAGE 98752) drawing 9579777, titled "Clarification of Detailed Test Criteria for Electrical and Avionics Items.

22. Associated Lists: Parts Lists per ASME Y14.34M-1989 are required. Parts Lists are required at assembly level. Parts Lists for Contractor Activity identifier CAGE code may be an integral part of a document or it may be a separate document. An Indentured Data List at top assembly/system level is required per Air Force (CAGE 98752) drawing 9579776.

23. Software and Firmware Documentation: Software and Firmware documentation is to be delivered as a part of this data requirement per Air Force (CAGE 98752) drawing 9579776.

24. Marking: Drawings shall specify requirement for marking part number identification on items as required by MIL-STD-130. The drawings shall identify the method and location of marking on the part.

25. Engineering Data Updates and Revisions: The contractor shall (and shall cause subcontractors and vendors to) update and maintain engineering data for the item(s) designed/ developed/modified/produced by this contract for the life of this contract and shall incorporate all changes in accordance with the following:

a. All engineering changes shall be incorporated into the applicable engineering data within 90 days after engineering release/Government concurrence or at intervals of five changes, whichever occurs first, except a change involving safety, which shall be incorporated immediately.

b. All engineering changes shall be incorporated into the applicable engineering data prior to delivery of preliminary data for review.

c. All engineering changes shall be incorporated into the applicable engineering data prior to delivery of final media (this includes all EO's generated as a result of the preliminary data review).

26. Contractor Quality Control System: The contractor shall develop and maintain a quality control system for the detailed examination and technical review of the TDP, to be supplied under the terms of the contract or purchase order. The quality control system shall assure conformance of the TDP to all requirements specified herein. The quality control system shall be documented and subject to review by the Government's representative. If the contractor's methods and procedures do not comply with the quality control system or do not attain their objectives, the quality control system shall be subject to disapproval by the Government.

27. TDP Quality Control System Requirements: The contractor's quality control system shall address:

a. The methods and procedures to be used to control the development, maintenance and delivery of the TDP, including the use of electronic approvals or authorizations, if applicable.

b. Assignments of responsibilities and procedures for the detailed examination, review and final approval of the TDP by the contractor.

c. Qualifications of the personnel performing the examinations and reviews of the TDP.

d. Procedural flow of information and documentation within the organization for the development, review and approval processing of the TDP and components thereof.

e. Procedures for ensuring that nonstandard items used in the design have been documented as required for the TDP.

f. Methods of ensuring that approved engineering changes have been incorporated into the TDP in accordance with contract requirements.

g. Procedures for ensuring that security markings, distribution statements, and right-in-data legends are assigned and applied in accordance with applicable specifications, standards, regulations and public laws.

h. Methods of detecting, correcting, and preventing the recurrence of deficiencies with the TDP and discrepancies between the elements and components thereof.

28. Inspection of TDP: The TDP components thereof, including data prepared by subcontractors, shall be inspected for the following:

a. Compliance with the requirements of this contract.

b. Inclusion of all documents, including sub-tier references, required to meet the design disclosure requirements of the TDP, except those already furnished to the government as referenced in paragraph above titled "Referenced Documents".

29. In-Process Review (IPR) of the TDP (Engineering Data IPT Review): The contractor shall host, support, and co chair (at his facility) an IPR of the engineering drawings and associated lists and other documentation to be included in the TDP. The contractor will have a copy of all data available at IPR. The IPR will be conducted only after the contractor's quality assurance personnel have completely reviewed the

data and determined that data are of sufficient quality that Government time will be effectively utilized during the review. IPRs shall be scheduled when data has reached the 30%, 50%, and 80% percent completion points and shall be held, when possible, in conjunction with other reviews (i.e., PDR, CDR). The contractor shall notify ASC/FBLE and WR-ALC/TILCC a minimum of 30 days prior to the anticipated date of completion point. The IPR shall focus on the contractor's progress in the preparation of the TDP. The contractor shall support and provide the necessary resources, i.e., meeting agenda, conference room, applicable data, minutes, and appropriate personnel available to answer any questions to perform the IPR effectively. The contractor shall correct all discrepancies identified in the IPR. All subcontractor/vendor data shall be made available for review. If quantity is sufficient, the Government may schedule a separate IPR at the subcontractor's/vendor's facility.

30. Engineering Data Guidance Conference (Engineering Data Post Award IPT Meeting): The contractor shall support and co chair a Guidance Conference for engineering data within 60 days after contract award. The Conference shall be convened at a site and on a date agreed upon by the Government contracting officer and the contractor. The contractor shall prepare an agenda and record the minutes of the Guidance Conference. The contractor shall address, discuss, and provide status on the following: [DI-ADMN-81249, DI-ADMN-81250]

- a. Understanding of all CDRL requirements, applicable DIDs, specifications and standards.
- b. TDP review requirements and schedules.
- c. TDP delivery requirements and schedules.
- d. Contractor's drafting practices/procedures/TDP drawing formats.
- e. The contractor's quality assurance procedures relating to TDP documents, including quality control of subcontractor and vendor data.
- f. The role of subcontractors and vendors who may deliver TDP documents under this contract.
- g. The contractor's configuration management system, including methods for releasing documents, approving documents, and incorporating changes into documents.
- h. Digital Technical Data Package (TDP) deliverables.

31. Printed Board Artwork Master Drawing. The printed board artwork master drawing shall include images of all artwork required to manufacture the printed board. These images will serve as a referenced to those images produced from the Gerber data files IAW Air Force drawing 9579776 (CAGE 98752), titled "Digital Data Description Requirement". This requirement is in addition to those in ASME Y14.24M and other related standards.

32. Restrictions:

a. Wiring whose jacket or insulation material that contains Polyvinyl chloride (PVC) or other potentially corrosive elements shall not be used for Air Force aerospace equipment. This encompasses multiconductor cable, internal hook-up wire, and interconnection cable and wire. Use of PVC in any other application requires prior approval from the office identified in block 6 of this DD Form 1423.

- b. MIL-W-16878 shall not be used for Air Force aerospace equipment.

- c. Wiring whose jacket or insulation material that contains Aromatic polyimide film shall not be used.

CONTINUATION OF DD FORM 1423 (DI-DRPR-81000A/T)

BLOCK 3: Advanced Targeting Pod (Shipping Containers for Pods, and shipping containers for LRUs.)

BLOCK 4:

DI-DRPR-81000A is tailored as follows:

- a. Paragraph 7.1, delete in its entirety.
- b. Paragraph 10.1, delete in its entirety and replace with "10.1 Reference Documents. The applicable documents apply as cited in the DD Form 1423 and continuation sheets."
- c. Paragraph 10.2, delete "Product drawings and associated lists shall meet the requirements of MIL-DTL-31000A".
- d. Delete Paragraph 10.3 in its entirety and replace with "10.3 Drawing Forms. The contractor shall utilize their own forms for Product Drawings and Associated Lists, which meet the requirements of ANSI Y14.1. (The government does not furnish forms for drawing formats)"
- e. Paragraph 10.4, delete "Product Drawings and Associated Lists shall conform to the requirements of ASME Y14.100M, ASME Y14.34M and, where DoD peculiar requirements must be met, MIL-STD-100" and replace with "Product Drawings and Associated Lists shall conform to the requirements of MIL-STD-100F, ASME Y14.24, ASME Y14.35M, ASME Y14.34M and DD Form 1423."
- f. Paragraph 10.6, delete "Selection Work Sheet incorporated in the contract or purchase order." and replace with "DD Form 1423."
- g. Paragraph 10.7, delete "The Selection Work Sheet incorporated in the contract or purchase order will specify whether the contractor or the Government is responsible for selecting the types of drawings and lists." and replace with "The contractor is responsible for selecting the types of drawings and lists."

BLOCK 9:

DISTRIBUTION STATEMENT. Distribution statements shall be in accordance with DoD Directive 5230.24 and included on the first sheet of each drawing near the title block, and shall be as follows:

"DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

Note: Certain types of technical data preclude placing the entire notice on the document. To accommodate this problem an abbreviated version is authorized as follows:

"Statement A, unlimited."

EXPORT CONTROL NOTICE. The Export Control Notice shall be in accordance with DoD Directive 5230.24.

DESTRUCTION NOTICE. Mark documents with one of the following:

a. For unclassified limited documents: "DESTRUCTION NOTICE. Destroy by any method that will prevent disclosure of contents or reconstruction of the document."

b. For classified documents: "DESTRUCTION NOTICE. Follow the procedures in DoD 5220.22-M, *Industrial Security Manual*, section 11-19, or DoD 5200.1R, *Information Security Program Regulation*, chapter IX."

BLOCK 10: Revisions/changes to the final delivered data shall be furnished quarterly, commencing the first quarter after destination acceptance of the final reproducible data and continue until the contract is closed. Quarterly updates shall include an updated IDL, reference A.F. Drawing 9579776. Negative reports shall be submitted to ASC/FBLE.

BLOCK 11: 15 days before the end of the quarter.

BLOCK 12 AND 13:

1.1.2 1. All data submittals shall contain a shipping list prepared to include as a minimum, the document number, revision level, and number of sheets/pages. Part number, noun and drawing size is optional. The data delivered shall be in the same sequence as the shipping list. Unless prior approval is granted by ASC/FBLE, shipments of data must be for complete assemblies, i.e., Advanced Targeting Pod Container. Shipping list shall specify whether the shipment is updates, final or make-up.

2. When a specific revision of an engineering document has been previously furnished and approved by a USAF Engineering Data Repository in microfilm or digital form as a result of any government contract, and is required by this DD Form 1423, the same data shall not be resubmitted providing it meets the requirements in the DD Form 1423 for existing data. This data shall be identified as being previously submitted and approved and shall include the document number, revision, and contract number under which the data were submitted. The receiving USAF Engineering Data Repository shall be identified. This action is required concurrent with all submittals.

3. Within 90 days after successful government verification of the prototypes, an Indentured Data List (IDL) per Air Force (CAGE 98752) drawing 9579776 shall be delivered.

4. Within 90 days after successful government verification of the prototypes, one set of paper copies of all "final reproducible data" (reference Block 14 of the DD 1423) shall be delivered. Submittal shall be accompanied by a letter of transmittal. Paper copy submittal will be reviewed within 120 days after receipt of data, unless additional time is required, at which time the contractor will be notified.

Concurrent with the paper copies the contractor shall submit four (4) representative samples of each digital data format per Air Force (CAGE 98752) drawing 9579776, (Native, Neutral, HPGL, Drawing Metadata Spreadsheet, etc.).

5. Within 60 days after approval of paper copy, one set of all "final reproducible data" (reference Block 14 of the DD 1423) shall be delivered to ASC/FBLE, 420 Second Street Suite 100, Robins AFB GA 31098-1640. If changes have been required to the IDL since delivery in 3 above, resubmittal shall be required.

BLOCK 16:

1. Contractor Activity and Part Identification: The contractor shall use his own design activity identifier (CAGE) and shall assign his own design activity drawing numbers. This number shall be or shall include the drawing number on which the item is described. Where more than one item is described on a drawing, unique identification shall be provided by the addition of a suffixed dash number with the following limitations:

a. The total length of the part number including dash numbers and spaces shall not exceed 32 characters.

b. The dash number shall have the same characteristics as drawing numbers and may be composed of numbers, letters, or any combination thereof.

c. Part numbers shall not include the drawing revision letter, the contractor CAGE, or the drawing format size letter.

2. Content, format, and media requirements for delivery of Digital Engineering Data: The contractor shall comply with Air Force (CAGE 98752) drawing 9579776. For this effort paragraphs 9, 10, and 11 does not apply.

3. Engineering Data: Product Drawings and Associated Lists shall document complete item design and manufacturing processes necessary to obtain and test hardware to the lowest component part that can be procured as a separate entity. This includes but is not limited to special tooling, interface hardware, special test equipment, and support equipment.

4. Relationship of Contractor with Subcontractors/Vendors: The contractor shall levy on subcontractors/vendors the same requirements for Technical Data Packages (TDPs) as are levied on them by this contract. This requirement shall be flowed down to the lowest tier subcontractor/vendor associated with the program.

5. Order of Preference:

Priority I

Documents mandated for use by law or regulation pursuant to law.

Priority II

Performance Oriented Documents: (a) Non-Government Standards; (b) Commercial Item Descriptions; (c) Federal Specifications and Standards; (d) Military Specifications and Standards.

Priority III

Design Based Documents: (a) Non-Government Standards; (b) Federal Specifications and Standards; (c) Military Specifications and Standards

Priority IV

Standards, specifications and related publications issued by the Government outside the military or federal series for the non-repetitive acquisition of developmental items.

Priority V

Company Specifications

6. ENGINEERING DRAWING PRACTICES: The contractor shall use the practices described in MIL-STD-100F. For clarification the documents listed in paragraph 2 of MIL-STD-100F shall be considered first tier and shall apply. ANSI Y14.1 is tailored as follows: Para 7.1, remove "should", and add "shall". Paragraph 12.2 add, "Sheets shall be numbered beginning with one (1) and continue, using consecutive whole integers." The contractor may find it useful to incorporate the concepts of MIL-HDBK-288 into the preparation of the TDP. MIL-HDBK-288 refers to Engineering Drawing Package (EDP); this term shall be considered synonymous with TDP.

7. Delete

8. Control Drawings: The contractor shall not identify his own company as a source on control drawings, unless one additional source is also shown. A separate division of the contractor's company, with a different manufacturers code (CAGE) may be shown, if it is actually a source. Control drawings not developed for this contract (existing drawings) shall be updated, to show current information (i.e., performance/qualification requirements, vendors/sources names and part numbers).

9. Existing Data: When existing data meets the following criteria, or will be modified or revised to meet the following criteria, it shall be used in lieu of preparing new data:

- a. It is furnished with rights-in-data consistent with the contract stipulations regarding data rights;
- b. It is furnished at a cost to the government equal to or less than preparing new data;
- c. It meets the highest quality of legibility and reproducibility available in the commercial world. (Reproduced paper copies shall be direct reading and shall not require magnification).
- d. It meets the design disclosure requirements of the TDP element of which it is to be a part of.
- e. It is identified by a Commercial and Government Entity (CAGE) Code, document number, title and applicable contract number(s).
- f. Any nonstandard symbols, drawing or documentation practices used are explained in the document or in a document referenced on the document containing the nonstandard symbol or practice.

10. Legibility and Reproducibility: All documents prepared or submitted shall meet the highest legibility and producibility requirements available in the commercial market controlling the media in which the data is to be delivered.

11. Parenthetical Information: Design activity identifying numbers may be referenced parenthetically to identify in-house peculiar documents (documents not necessary for the production and quality of the item). Parenthetically identified documents are not a required deliverable; however, if the government deems this document necessary, it shall be delivered. Engineering drawings and Part Lists (PL) using parenthetical identification shall carry a note thereon indicating parenthetical identities are for reference only.

12. Referenced Documents: Documents referenced in a TDP shall be furnished as an integral part of that TDP except where the documentation meets the requirement of the paragraph titled Existing Data above, and has been furnished and approved under a previous contract in the same revision to any USAF repository. When first tier references do not provide the technical information required by the TDP element, subordinate reference documents shall be provided until the design disclosure requirements are met. Technical manuals/orders, procedural manuals, and maintenance manuals shall not be referenced within the TDP. When information essential to meeting TDP design disclosure requirements (such as default surface finish

values) are contained in such documents, that information must be incorporated in a document acceptable for inclusion in the TDP.

13. Protecting Classified Information: TDPs or parts thereof, containing classified information shall be protected and marked in accordance with the Department of Defense Industrial Security Manual for Safeguarding Classified Information, DoD Manual 5220.22-M.

14. Contract Numbers: When a TDP document is prepared under a Government contract, the Government contract number under which it is prepared shall appear on the first sheet of the document original. When a TDP document is delivered under a Government contract other than the one under which it was prepared, the Government contract number under which it is delivered shall also appear on the first sheet of each copy submitted. If the document is prepared and submitted under the same contract, only the entry for the contract under which it is prepared is required.

15. Application of Contract Numbers: When TDP documents or copies thereof are to be delivered under a subsequent or other contract, cost effective techniques may be used to apply the delivery contract numbers. Examples of such techniques are using a rubber stamp for paper copies, photographic overlays for microfilm, or electronic application to digital data.

16. Application Block: All new and revised drawings shall contain an Application Block. The Application Block is mandatory for all drawings. The Application Block shall be near the Title Block. The Application Block shall show the "Next Assembly" and "Used On". When an item is used in more than three applications, the entry "general usage" may be used.

17. Delete

18. Traceability: The contractor shall prepare the TDP in such a manner to insure that all applicable documents i.e., Artwork, Schematics, and Test Criteria, etc., are referenced within the TDP for traceability.

19. Preparation Method: American English language shall be used in the preparation of this TDP. All drawings shall be prepared using Third Angle Orthographic Projection method of presentation. The symbol for angle of projection shall be delineated in the Title Block of newly prepared or revised engineering data. (see ANSI Y14.3 figure 2).

20. TDP Validation: The contractor shall validate that the TDP and elements thereof conform to the contractual requirements, and that they accurately depict the item(s) developed, modified, or produced under the contract. Successful use of the TDP in producing, inspecting and testing the item(s) is considered acceptable evidence that the validation requirement has been met.

21. Delete

22. Associated Lists: Parts Lists per ASME Y14.34M-1989 are required. Parts Lists are required at assembly level. Parts Lists for Contractor Activity identifier CAGE code may be an integral part of a document or it may be a separate document. An Indentured Data List at top assembly/system level is required per Air Force (CAGE 98752) drawing 9579776.

23. Delete

24. Marking: Drawings shall specify requirement for marking part number identification on items as required by MIL-STD-130. The drawings shall identify the method and location of marking on the part.

25. Engineering Data Updates and Revisions: The contractor shall (and shall cause subcontractors and vendors to) update and maintain engineering data for the item(s) designed/ developed/modified/produced by this contract for the life of this contract and shall incorporate all changes in accordance with the following:

a. All engineering changes shall be incorporated into the applicable engineering data within 90 days after engineering release/Government concurrence or at intervals of five changes, whichever occurs first, except a change involving safety, which shall be incorporated immediately.

b. All engineering changes shall be incorporated into the applicable engineering data prior to delivery of preliminary data for review.

c. All engineering changes shall be incorporated into the applicable engineering data prior to delivery of final media (this includes all EO's generated as a result of the preliminary data review).

26. Contractor Quality Control System: The contractor shall develop and maintain a quality control system for the detailed examination and technical review of the TDP, to be supplied under the terms of the contract or purchase order. The quality control system shall assure conformance of the TDP to all requirements specified herein. The quality control system shall be documented and subject to review by the Government's representative. If the contractor's methods and procedures do not comply with the quality control system or do not attain their objectives, the quality control system shall be subject to disapproval by the Government.

27. TDP Quality Control System Requirements: The contractor's quality control system shall address:

a. The methods and procedures to be used to control the development, maintenance and delivery of the TDP, including the use of electronic approvals or authorizations, if applicable.

b. Assignments of responsibilities and procedures for the detailed examination, review and final approval of the TDP by the contractor.

c. Qualifications of the personnel performing the examinations and reviews of the TDP.

d. Procedural flow of information and documentation within the organization for the development, review and approval processing of the TDP and components thereof.

e. Procedures for ensuring that nonstandard items used in the design have been documented as required for the TDP.

f. Methods of ensuring that approved engineering changes have been incorporated into the TDP in accordance with contract requirements.

g. Procedures for ensuring that security markings, distribution statements, and right-in-data legends are assigned and applied in accordance with applicable specifications, standards, regulations and public laws.

h. Methods of detecting, correcting, and preventing the recurrence of deficiencies with the TDP and discrepancies between the elements and components thereof.

28. Inspection of TDP: The TDP components thereof, including data prepared by subcontractors, shall be inspected for the following:

- a. Compliance with the requirements of this contract.
- b. Inclusion of all documents, including sub-tier references, required to meet the design disclosure requirements of the TDP, except those already furnished to the government as referenced in paragraph above titled "Referenced Documents".

29. In-Process Review (IPR) of the TDP (Engineering Data IPT Review): The contractor shall host, support, and co chair (at his facility) an IPR of the engineering drawings and associated lists and other documentation to be included in the TDP. The contractor will have a copy of all data available at IPR. The IPR will be conducted only after the contractor's quality assurance personnel have completely reviewed the data and determined that data are of sufficient quality that Government time will be effectively utilized during the review. IPRs shall be scheduled when data has reached the 30%, 50%, and 80% percent completion points and shall be held, when possible, in conjunction with other reviews (i.e., PDR, CDR). The contractor shall notify ASC/FBLE a minimum of 30 days prior to the anticipated date of completion point. The IPR shall focus on the contractor's progress in the preparation of the TDP. The contractor shall support and provide the necessary resources, i.e., meeting agenda, conference room, applicable data, minutes, and appropriate personnel available to answer any questions to perform the IPR effectively. The contractor shall correct all discrepancies identified in the IPR. All subcontractor/vendor data shall be made available for review. If quantity is sufficient, the Government may schedule a separate IPR at the subcontractor's/vendor's facility.

30. Engineering Data Guidance Conference (Engineering Data Post Award IPT Meeting): The contractor shall support and co chair a Guidance Conference for engineering data within 60 days after contract award. The Conference shall be convened at a site and on a date agreed upon by the Government contracting officer and the contractor. The contractor shall prepare an agenda and record the minutes of the Guidance Conference. The contractor shall address, discuss, and provide status on the following: [DI-ADMN-81249, DI-ADMN-81250]

- a. Understanding of all CDRL requirements, applicable DIDs, specifications and standards.
- b. TDP review requirements and schedules.
- c. TDP delivery requirements and schedules.
- d. Contractor's drafting practices/procedures/TDP drawing formats.
- e. The contractor's quality assurance procedures relating to TDP documents, including quality control of subcontractor and vendor data.
- f. The role of subcontractors and vendors who may deliver TDP documents under this contract.
- g. The contractor's configuration management system, including methods for releasing documents, approving documents, and incorporating changes into documents.
- h. Digital Technical Data Package (TDP) deliverables.

CONTRACT DATA REQUIREMENTS LIST

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 440 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, D.C. 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.			B. EXHIBIT			C. CATEGORY:			
						TDP TM OTHER			
D. SYSTEM/ITEM ATP			E. CONTRACT/PR NO. F33657-01-D-2029			F. CONTRACTOR LOCKHEED MARTIN			
1. DATA ITEM NO. A014	2. TITLE OF DATA ITEM CONTAINER DESIGN RETRIEVAL SYSTEM (CDRS) SEARCH					3. SUBTITLE			
4. AUTHORITY (Data Acquisition Document No.) DI-PACK-80683A			5. CONTRACT REFERENCE SOW PARA. 1.8			6. REQUIRING OFFICE ASC/FBL ENG.			
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED		10. FREQUENCY ONE/R	12. DATE OF FIRST SUBMISSION BLOCK 16		14. DISTRIBUTION			
8. APP CODE A	A		11. AS OF DATE BLOCK 16	13. DATE SUBSEQUENT SUBMISS BLOCK 16		a. ADDRESSEE	b. COPIES		
16. REMARKS									
						Draft	Final	Reg	Repro
<p>BLOCK 4: CONTRACTOR FORMAT IS ACCEPTABLE, IF ALL INFORMATION IS PROVIDED AS OUTLINED IN BLOCK 10 OF THE DATA ITEM DESCRIPTION FOR ALL SPECIALIZED ENGINEERED LONG LIFE REUSABLE CONTAINERS.</p> <p>BLOCK 8: APPROVAL AND/OR DISAPPROVAL CYCLE FOR THIS DATA WILL BE 30 CALENDAR DAYS AFTER RECEIPT OF THE DESCRIPTIVE DATA. ASC/FBL IS THE APPROVAL AND/OR DISAPPROVAL OF THIS DATA.</p> <p>BLOCK 11 & 12: DATA SHALL BE SUBMITTED AS SOON AS A SPECIALIZED REUSABLE CONTAINER REQUIREMENT IS IDENTIFIED AS PRIOR TO THE CONTRACTOR UNDERTAKING A NEW CONTAINER DESIGN. DATA SHALL BE SUBMITTED NLT 30 DAYS AFTER ITEM DESIGN IS STABLE.</p> <p>BLOCK 13: SUBSEQUENT SUBMISSIONS DEPEND ON ADEQUACY OF THE DATA.</p>						ASC/FBL-1	0	1	0
						ASC/SYPL	0	1	0
						WR-ALC/LGMP	0	1	0
						AFMCLSO/LOP	0	1	0
						WR-ALC/LYTA	0	1	0
							0	0	0
							0	0	0
							0	0	0
							0	0	0
							0	0	0
TOTAL						0	5	0	
G. PREPARED BY TERRY LAMBERT ASC/FBLE			H. DATE 9/20/2001		I. APPROVED BY SHIRLEY MORRISON ASC/FBL PROGRAM MANAGER			J. DATE 9/20/2001	

CONTRACT DATA REQUIREMENTS LIST

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OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.			B. EXHIBIT		C. CATEGORY: TDP TM OTHER				
D. SYSTEM/ITEM ATP			E. CONTRACT/PR NO. F33657-01-D-2029		F. CONTRACTOR LOCKHEED MARTIN				
1. DATA ITEM NO. A016		2. TITLE OF DATA ITEM SPECIAL PACKAGING INSTRUCTINS (SPIs)			3. SUBTITLE DRAWING AND/OR NARRATIVE INSTRUCTIONS				
4. AUTHORITY (Data Acquisition Document No.) DI-PACK-80121B/T			5. CONTRACT REFERENCE SOW PARA. 1.8		6. REQUIRING OFFICE ASC/FBL LOG.				
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED A	10. FREQUENCY ONE/R	12. DATE OF FIRST SUBMISSION BLOCK 16		14. DISTRIBUTION				
8. APP CODE A		11. AS OF DATE BLOCK 16	13. DATE SUBSEQUENT SUBMISS		a. ADDRESSEE	b. COPIES			
						Final			
						Draft	Reg		
							Repro		
16. REMARKS									
RETURNED FOR CORRECTION AND/OR REVISION SHALL BE RESUBMITTED BY THE CONTRACTOR FOR APPROVAL 30 DAYS PRIOR TO SHIPMENT OF MATERIAL. NOTE: DATA SHALL BE SUBMITTED IN "HARD COPY" FORM TO WR-ALC/LGMP OR MAY BE ELECTRONICALLY VIA WEB ADDRESS: www.robins.af.mil/orgs/abw/lgt/lgt/2326.htm									
						TOTAL	0	2	0
G. PREPARED BY TERRY LAMBERT ASC/FBLE			H. DATE 9/20/2001		I. APPROVED BY SHIRLEY MORRISON ASC/FBL PROGRAM MANAGER			J. DATE 9/20/2001	

CONTRACT DATA REQUIREMENTS LIST						Form Approved OMB No. 0704-0188			
Public reporting burden for this collection of information is estimated to average 440 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 D.C. 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.									
A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY:					
				TDP TM OTHER					
D. SYSTEM/ITEM ATP			E. CONTRACT/PR NO. F33657-01-D-2029			F. CONTRACTOR LOCKHEED MARTIN			
1. DATA ITEM NO. A017		2. TITLE OF DATA ITEM TECHNICAL MANUALS			3. SUBTITLE				
4. AUTHORITY (Data Acquisition Document No.) TMCR-86-01H			5. CONTRACT REFERENCE			6. REQUIRING OFFICE ASC/FBL LOG.			
7. DD 250 REQ DD	9. DIST STATEMENT REQUIRED		10. FREQUENCY ASREQ	12. DATE OF FIRST SUBMISSION BLOCK 16		14. DISTRIBUTION			
8. APP CODE A	D		11. AS OF DATE	13. DATE SUBSEQUENT SUBMISS BLOCK 16		a. ADDRESSEE		Final	
16. REMARKS BLOCKS 10, 12 & 13: PREPARED AND DELIVERED IN ACCORDANCE WITH TMCR-TM-86-01H (TAILORED). BLOCK 14: DELIVERY OF SOURCE DATA TO LOCKHEED MARTIN AERO: A COMPOSED POSTSCRIPT .PDF FILE BLOCK 14: REPRODUCIBLE SHALL BE RETAINED BY THE CONTRACTOR AND DELIVERED UPON REQUEST.						Drift	Reg	Repro	
						ASC/FBL	0	0	0
						LOCKHEED	1	1	1
						SEE BLOCK 16			
						TOTAL	1	1	1
G. PREPARED BY TERRY LAMBERT ASC/FBLE			H. DATE 9/20/2001		I. APPROVED BY SHIRLEY MORRISON ASC/FBL PROGRAM MANAGER			J. DATE 9/20/2001	

Air Force Technical Manual Contract Requirements (TMCR)
for
Advanced Targeting Pod (ATP)

ATTACHMENT TO CDRL SEQUENCE NUMBER: A017 EXHIBIT: A
REQUEST FOR PROPOSAL/CONTRACT: F33657-01-R-2029
Date: 5 Feb 01

Technical Manual/Technical Order requirements contained herein have been cleared for use by OMB No. 0704-0188, 21 July 1986.

SECTION 1. TECHNICAL ORDER (TO) PROGRAM REQUIREMENTS

1. **TMCR Tailoring.** Offerors MUST tailor this TMCR document, including the associated tables, matrices and Specification/Standard Interface Requirements (SIRs). The tailored TMCR shall be attached to the CDRL for TO delivery, and shall be included in the proposal as a separate exhibit, referenced in the proposal SOW. Proposals shall be compatible with the Air Force infrastructure and support the Advanced Targeting Pod Program's Technical Manual requirements. Air Force TO Acquisition procedures, including procedures for tailoring this document, are found in TO 00-5-3, located on the World Wide Web (WWW) at <http://www.pdsm.wpafb.af.mil/toprac/to-syste.htm>. Any terms or procedures found in this document may be researched there.
2. **TO Program Scope.** The offeror shall tailor Section 2 to propose the TO types (Table 1) and source data, TO updates and commercial manuals (Table 2) required to support the ATP program's objectives. Page-oriented Military Specification (MILSPEC) TOs must be formatted according to MIL-STD-38784 and applicable performance (MIL-PRF) specifications, with (1) MIL-STD-38784 compliant SGML tagged instance accompanied by the Level 3 CGM Graphics and (2) a composed Postscript .PDF file of the same data.
3. The offeror may propose use of Non-Government Specifications or Standards (NGS) for development of TOs, but must justify this choice based on life-cycle cost savings to the government and compatibility with existing systems identified in the GCO and the System Support Plan. **NOTE:** If Interactive Electronic Technical Manuals (IETMs) are proposed (MIL-PRF-87268 and MIL-PRF-87269), contact the Procuring Contracting Officer (PCO) and TO Manager to obtain guidance from the Air Force Preparing Activity (PA), MSG/MMF, 4375 Chidlaw Rd Suite 6, WPAFB OH 45433-5006.
3. **Commercial Manuals.** Offerors shall propose the use of existing commercial manuals to the maximum extent possible without impairing program support objectives. The proposal will describe the method used to recommend and submit specific manuals to the government for review and approval. **NOTES:** a) Contractor Furnished Aeronautical Equipment/Contractor Furnished Equipment (CFAE/ CFE) Notices, Data Item Description (DID) DI-TMSS-80067, may be used to provide recommendation data. b) The government will use MIL-HDBK-1221 as a guide for review and acceptance of all recommended commercial manuals, and MIL-PRF-7700 as an additional guide for commercial Flight Manual contents.

4. Technical Manual Specifications and Standards (TMSS) Tailoring. TMSS are tailored by deleting requirements not needed for program TOs, and by selecting between options offered. The tailoring is recorded in SIRs and added to Section 3 of this document. AF options in some Joint-Service TMSS have been documented in preliminary SIRs included in Section 3. Offerors shall complete tailoring of the Joint-Service TMSS SIRs and provide recommended SIRs for other TMSS or NGS as applicable. Questions and conflicts with TMSS requirements may be resolved by written request and justified suggestions for resolution submitted through the PCO to Mr Ron Soward, ASC/FBL, 2275 D Street, Suite 142, Wright- Patterson AFB OH 45433, (937-255-6091 x4066. Approved recommendations, corrections and clarifications will be maintained with contract documentation. **NOTE:** Tailoring must not change or delete mandatory requirements which are part of the DTD structure.
5. Subsequent TO/Data Requirements. Offerors shall propose a process for notifying the government when additional TO or source data requirements are identified subsequent to contract award. This process shall require government review and approval of recommended additional requirements prior to contractual approval. **NOTE:** The recommended notification process is to use CFAE/CFE Notices (DI-TMSS-80067).
6. TO Development. The offeror shall propose TO development practices and procedures which ensure TOs and data are compatible with the AF Digital Data Strategy (http://www.pdsm.wpafb.af.mil/datamgt/data_mgt.htm) and the JCALS JTMS. The preferred method is through use of the TMSS specified in Section 2 to produce TO files tagged using Standard Generalized Markup Language (SGML) according to the Document Type Definitions (DTDs) appended to MIL-STD-38784 and each specification. The offeror must submit any DTDs developed to support use of NGS or canceled TMSS through the PCO and TO Manager to MSG/MMF for validation of JCALS compatibility. SGML-tagged TO files shall include required illustrations in one of the three approved graphics exchange specifications; MIL-PRF-28000, 28002, or 28003.
7. TO Numbering. Offerors shall propose a method for notifying the government of which manuals require TO numbers. TO numbers are not required for manuals to be used exclusively by contractor personnel. (**NOTE:** DI-TMSS-80067 may be used to provide the notification.) AF procedures for numbering TOs are described in TO 00-5-3 and AFMCMAN 21-1 (<http://www.pdsm.wpafb.af.mil/toprac/to-syste.htm>).
8. Data Rights. Government rights in data are specified in the Defense Federal Acquisition Regulation Supplement (DFARS), paragraphs 227-7102 through 227-7104, located in Section I of the RFP. Offerors shall propose Unlimited Rights for all source data and TOs prepared specifically for the contract. If some TOs or source data are copyrighted or contain proprietary data or procedures, offerors may propose Limited Rights or Government Purpose License Rights (GPLR) only. Proposed commercial manuals should be provided with at least GPLR or Limited Rights. Copyrights shall be according to DFARS paragraphs 227-7103, 7105 or 7106.
9. Classification, Distribution, Destruction, Disclosure, and Export Control Notices. Offerors shall propose methods for determining, marking and controlling classified and restricted distribution data and TOs. Processes must conform to government requirements specified in DOD 5200.1-R, DODD 5230.24, AFIs 31-401 and 61-204, and MIL-STD-38784. **NOTE:** Distribution limitations are normally determined on a case-by-case basis as TOs are developed, dependent upon TO content.

10. TO Quality. Offerors shall propose a quality assurance program which ensures TOs prepared are: a) 100% technically accurate; b) written to a scope and depth of coverage sufficient to support the operations and maintenance concepts, and to the Reading Grade Level (RGL) specified in MIL-STD-38784; c) compatible with the JCALS JTMS; and d) properly classified and marked with export control and distribution limitation statements. Recommended QA methods include actual performance of procedures and use of desk-top analysis for non-procedural data. Simulation (walk-through/talk-through) should be reserved for those procedures which would activate explosive devices or present a hazard to personnel or equipment. Offerors' proposals should describe how the government will be allowed to interact with the contractor's TO development team. **NOTE:** Quality requirements for the Joint Nuclear Weapons Publications System (JNWPS) and for Non-nuclear Explosive Ordnance Disposal (EOD) Data are contained in TO 11N-1-1 and DOD Directive 5160.62, respectively. The government performance-tests all JNWPS and EOD TOs.

10.1. Conferences and Technical Reviews. Offerors shall propose sufficient conferences and reviews to allow insight into TO development processes and ensure contract compliance. Offerors normally host an initial Guidance Conference or Technical Interchange Meeting (TIM) within 60 days of contract award to ensure mutual understanding of TO contract requirements, schedules, points of contact, etc. Periodic In-Process Reviews (IPRs) and Prepublication Reviews (PPR) ensure TOs are being developed according to contract requirements and that open discrepancies are cleared prior to publication. **NOTE:** PPRs are required for critical safety and nuclear surety procedures TOs, and may be required for other complex procedures TOs.

10.2. TO Certification. Offerors shall propose their method for documenting certification that TO procedures are accurate, adequate, current, and usable for their intended purposes.

10.3 Verification Support. Offerors shall propose the methods, equipment and personnel required to support government TO Verification. As a minimum, this support should consist of (a) technical writer and/or engineer support to resolve problems (b) provisions for program-peculiar equipment and supplies (c) incorporation of government comments, and (d) participation in TO Review Boards (TORBs) and Flight TORBs.

11. TO and Source Data Maintenance. Offerors shall propose methods for maintaining accuracy, currency and configuration of TOs and source data throughout the contract period of performance. Maintenance includes preparation of TO and source data updates to incorporate corrections, equipment configuration changes, and maintenance and operational concept changes.

12. TO Delivery. Offerors shall propose practices and procedures for access to or delivery of digital TO files, including those for Preliminary TOs (PTOs), source data, reproduction masters, and program support data. Practices and procedures shall be compatible with the program's Contractor Integrated Technical Information Service (CITIS) agreement (if on contract). TO file delivery formats shall be according to applicable CDRLs and the tailored TM Delivery Requirements Matrices included in Section 2 of this document. Paper TO delivery is not acceptable for final delivery of TOs. **EXCEPTION:** When cost analysis proves the paper delivery is more cost effective over the life-cycle of the program or project, and for some Commercial Manuals not available digitally.

12.1. SGML-Tagged Files. The government will parse SGML TO document files prior to acceptance. **NOTE:** The Internet address for the public domain "SGMLS Parser" software is "ftp://ifi.uio.no/pub/SGML."

12.2. Indexed Adobe™ Portable Document Format (IPDF) Files. Indexing specifications for PDF TO files are contained in the AF Digital Data Strategy (http://www.pdsm.wpafb.af.mil/datamgt/data_mgt.htm).

13. Schedules. Offerors shall include TO program events and schedules in their proposed Integrated Master Plan (IMP) and Integrated Master Schedule (IMS), and update the IMS throughout the period of performance. **NOTE:** AF policy requires delivery of verified TOs prior to or concurrently with delivery of operational equipment to the field (AFPD 21-3). This policy will determine TO development and delivery schedules throughout the acquisition phase of a program.

14. Time Compliance Technical Orders (TCTOs). Offerors shall propose practices and procedures to develop AF TCTOs and related TO updates when tasked as part of the approval process for Engineering Change Proposals (ECPs) to configured items. Costs for TCTO package development must be included in ECP Costs – not included as direct proposal costs. **NOTE:** ECPs are reviewed and approved by the Government's Configuration Control Board (CCB). When the CCB decides that a TCTO is the appropriate method of implementation, the contractor may be requested to develop the TCTO package for Air Force coordination and approval. See TO 00-5-15 (<http://www.pdsm.wpafb.af.mil/toprac/to-syste.htm>) for a detailed description of the TCTO system.

15. TO Reproduction Management. Offerors shall propose practices and procedures for managing the program's reproduction requirements. **NOTE:** Reproduction management for printing includes assembly of a print package (reproduction media, a reproduction assembly sheet, and TO Initial Distribution (ID) labels) and submission of the package for government printing. (ID labels are provided by the TO Manager) In some cases, the contractor may perform the printing. Reproduction management for digital media consists of reproduction of the digital file on magnetic/optical media and distribution according to ID labels. Reproduction Management may also include configuration control and storage of reproduction masters.

2. Section 2. TM Type and Delivery Requirements

NOTES:

- Mark the TM Type Selection Tables indicating the applicable TO types and related specifications. For additional interface requirements see the program-specific Government Concept of Operations (GCO) and DOD 5000.2-R.
- Manuals delivered using this table and DI-TMSS-80067, CFAE/CFE Notices, must be reviewed and approved by the Air Force prior to delivery.
- IPBs are developed IAW MIL-PRF-38807, except that MIL-PRF-87929 will also be used for IPBs combined with work packages.
- All checklists, except aircrew and nuclear weapons checklists, are developed IAW MIL-PRF-5096.
- MIL-PRF-83495 requires DOD-STD-863 requirements to be levied on engineering data for preparation of end item wiring data and schematic diagrams.
- Delivery requirements are indicated in the TM Delivery Requirements matrices.
- For further information on Air Force Digital Data Strategy, see WWW address http://www.pdsm.wpafb.af.mil/datamgt/data_mgt.htm.

PART A – TM TYPE SELECTION TABLES

TABLE 1
 TMSS REQUIREMENTS FOR THE (ATP) Program
 (System/Component)

Title or Type of Manuals	Specification	Required
1. Inspection TOs	MIL-PRF-5096	
a. Inspection and Maintenance Requirements (-6) Manual		<input type="checkbox"/>
b. Acceptance and Functional Check Flight (FCF) Procedures (-6CF) Manual		<input type="checkbox"/>
c. Acceptance and Functional Check Flight (-6CL) Checklist		<input type="checkbox"/>
d. Workcards		<input type="checkbox"/>
e. Inspection Requirements Cards		<input type="checkbox"/>
f. Flow/Sequence Charts		<input type="checkbox"/>
g. Checklists		
(1) Maintenance/Operations (Non-Aircrew)		<input type="checkbox"/>
(2) Operations (Aircrew)		<input type="checkbox"/>
2. Cargo Aircraft Loading and Offloading TOs	MIL-PRF-5288	
a. Manual		<input type="checkbox"/>
b. Checklists		<input type="checkbox"/>
3. Weight and Balance (Aircraft)	MIL-PRF-5920	
a. Loading Data Manual		<input type="checkbox"/>
b. Sample Basic Weight Checklists		<input type="checkbox"/>
4. Flight Manuals (see notes)	MIL-PRF-7700	
a. Flight Manual		<input type="checkbox"/>
b. Performance Data Manual		<input type="checkbox"/>
5. List of Applicable Publications	MIL-PRF-8031	<input type="checkbox"/>
6. Structural Repair Manuals (for Aircraft)	MIL-PRF-9854	<input type="checkbox"/>
7. Munitions/Weapons Loading Procedures, Non-nuclear and Nuclear	MIL-PRF-9977	
a. Nuclear Weapons Basic Information and Loading Procedures		<input type="checkbox"/>
b. Nuclear Weapons Loading Procedures		<input type="checkbox"/>
c. Non-nuclear Munitions Basic		<input type="checkbox"/>
d. Non-nuclear Loading Procedures		<input type="checkbox"/>

TABLE 1
TMSS REQUIREMENTS FOR THE (ATP) Program
(System/Component)

Title or Type of Manuals	Specification	Require d
e. Integrated Combat Turnaround Procedures		<input type="checkbox"/>
f. Non-nuclear Munitions Loading Standard Data Packages (SDPs)		<input type="checkbox"/>
g. Loading Procedures Checklists		<input type="checkbox"/>
h. Integrated Loading Procedures Checklists		<input type="checkbox"/>
i. Nuclear Weapons Loading Procedure Checklists		<input type="checkbox"/>
j. Integrated Combat Turnaround Procedures Checklists		<input type="checkbox"/>
k. NATO Stage B Cross-Servicing Checklists		<input type="checkbox"/>
8. Mobile Training Sets (MTS) and Part Task Trainer TOs	MIL-PRF-9994	
a. Single Manual		<input type="checkbox"/>
b. Single Manual w/IPB		<input type="checkbox"/>
c. General/Systems Trainer Manuals		<input type="checkbox"/>
d. General/Systems Trainer Manuals w/IPB		<input type="checkbox"/>
e. Part Task Trainer Manuals		<input type="checkbox"/>
9. Space Operations and Support Documentation TOs	ANSI/AIAA-R024-1993 (Replaces MIL-M-38311)	
a. Operations Manual		<input type="checkbox"/>
b. Operations Checklists		<input type="checkbox"/>
c. Technical Manuals and Related Checklists		<input type="checkbox"/>
10. Nuclear and Non-nuclear Weapon Delivery and Aircrew Procedures Manuals and Checklists	MIL-PRF-38384	
a. Non-nuclear Weapon Delivery Manual (Strategic Bomber & Tactical Aircraft)		<input type="checkbox"/>
b. Nuclear Bomb Delivery Manual (Strategic Bomber Aircraft)		<input type="checkbox"/>
c. Aircrew Nuclear Weapon Delivery Manual (Strategic Bomber Aircraft)		<input type="checkbox"/>
d. Aircrew Nuclear Weapon Delivery Manual (Tactical Aircraft)		<input type="checkbox"/>
e. Non-nuclear Weapon Delivery Checklist (Strategic Bomber & Tactical Aircraft)		<input type="checkbox"/>
f. Nuclear Bomb Delivery Checklist (Strategic Bomber Aircraft)		<input type="checkbox"/>

TABLE I
TMSS REQUIREMENTS FOR THE (ATP) Program
(System/Component)

Title or Type of Manuals	Specification	Require d
g. Aircrew Nuclear Weapon Delivery Checklist (Tactical Aircraft)		<input type="checkbox"/>
h. Non-nuclear Weapon Delivery Source Data Packages		<input type="checkbox"/>
11. Air Refueling Procedures	MIL-PRF-38413	
a. Manual		<input type="checkbox"/>
b. Checklist		<input type="checkbox"/>
12. Work Unit Code Manual	MIL-PRF-38769	<input type="checkbox"/>
13. Calibration Procedures	MIL-PRF-38793	<input type="checkbox"/>
14. Time Compliance Technical Orders (TCTOs)	MIL-PRF-38804	<input type="checkbox"/>
15. Aircraft Battle Damage Assessment and Repair TOs	MIL-PRF-87158	<input type="checkbox"/>
16. Illustrated Parts Breakdown	MIL-PRF-38807	<input type="checkbox"/>
17. On-Equipment Organizational Maintenance Manual Set (see notes)	MIL-PRF-83495	
a. General Equipment (GE) Manual		<input type="checkbox"/>
b. General System (GS) Manuals		<input type="checkbox"/>
c. Combined GE & GS Manual		<input type="checkbox"/>
d. Job Guide (JG) Manuals		<input type="checkbox"/>
e. Fault Reporting (FR) Manual		<input type="checkbox"/>
f. Fault Isolation (FI) Manual		<input type="checkbox"/>
g. Wiring Data (WD) Manual		<input type="checkbox"/>
h. Schematic Diagram (SD) Manual		<input type="checkbox"/>
18. Operation and Maintenance Instructions in Work Package Format	MIL-PRF-87929	
a. Maintenance Manuals		
(1) Intermediate Maintenance		<input type="checkbox"/>
(2) Depot Maintenance		<input type="checkbox"/>
(3) Combined (I&D) Maintenance		<input type="checkbox"/>
(4) On Condition Maintenance		<input type="checkbox"/>
b. Operation & Maintenance Instruction Manuals		<input type="checkbox"/>
c. Special Manuals		
(1) Aircraft Engine Testing and Trending Procedures		<input type="checkbox"/>
(2) Aircraft Power Package Testing Procedures		<input type="checkbox"/>

TABLE 1
 TMSS REQUIREMENTS FOR THE (ATP) Program
 (System/Component)

Title or Type of Manuals	Specification	Require d
(3) Static Firing of Missile Motors		<input type="checkbox"/>
(4) System Peculiar Corrosion Control		<input type="checkbox"/>
(5) Nondestructive Inspection (NDI)		<input type="checkbox"/>
(6) Aircraft Structural Integrity Program (ASIP)		<input type="checkbox"/>
(7) ATE Operator Test Procedures		<input type="checkbox"/>
(8) Special Requirements for Storage and Maintenance Procedures; AUR Munitions/Launchers and Associated Support Equipment, Conventional Components and CMBR Agents		<input type="checkbox"/>
(9) Parachute Packing Procedures		<input type="checkbox"/>
(10) Operators Instructions (Hand-Held Flight Computers)		<input type="checkbox"/>
(11) Installation-Engineering Facility (Ground C-E Equipment)		<input type="checkbox"/>
d. Checklists (IAW MIL-PRF-5096)		<input type="checkbox"/>
e. With Illustrated Parts Breakdown (see notes)		<input type="checkbox"/>
19. Commercial Manuals (Evaluate according to MIL-HDBK-1221)		<input type="checkbox"/>
20. Aircraft Cross-servicing Guide	MIL-DTL-22202	<input type="checkbox"/>
21. Electronic Technical Manuals (Contact specification preparing activity for guidance.)	MIL-PRF-87268 MIL-PRF-87269	<input type="checkbox"/>

TABLE 2
ADDITIONAL TM TYPE SELECTIONS

NOTES:

- Check all applicable boxes.
- For commercial manual supplemental data only, under the specification heading, enter "Same style and format," "MIL-PRF-38807" (for IPB data), or "MIL-STD-38784."
- For existing MIL-SPEC manuals not being updated to latest specification requirements, enter "Same style and format" under the specification heading.

TO Number, Title, or Type of Manual	Specification	Com- mercial Manual	Change/ Revision	Supple- ment	Supple- mental TM	Source Data
1. Aircraft TOs(See Atch 1)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PART B - TM DELIVERY REQUIREMENTS

FOR ATP
(System/Item)

TM DATA TYPE DELIVERED - SOURCE DATA
(TMSS/Change/Supplement/etc.)
(Replicate form for each TM type required.)

Delivery Format Requirements Codes

Paper (draft or manuscript only. Cannot be used for final delivery) Digital delivery only:

G. - Standard Generalized Mark-up Language (SGML).

Mixed paper and digital (G/T)

I. - Indexed Portable Document Format (IPDF) File.

EXAMPLE: M(G) / 2 [Paper and SGML / 2 copies]

NOTES:

- Delivery format requirements codes indicate the media/file format to be delivered for each program event.
- TCTO requirements are specified in the contract vehicle approving the TCTO.
- When on-line access (e.g., CITIS) is a contractual requirement, copy quantity will normally be 0 (zero).

DELIVERY SCHEDULE				
Event ⇔ Number of days data required prior to event ⇔ Enter Office Symbol and Address ↓ ↓	Technical Review(s) (30 Days) ↓	Verification (15 Days) ↓	Prepublication Review (7 Days) ↓	Final TO Distribution (0 Days) ↓
	P / 5	P / 5	I / 5	I / 1
	/	/	/	/
	/	/	/	/
	/	/	/	/
	/	/	/	/
	/	/	/	/
	/	/	/	/

Total Copies Required:	5	5	5	1
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SECTION 3. SPECIFICATION/STANDARD INTERFACE RECORDS (SIRS)

NOTES:

- Most specification "Acquisition Requirements" list the same two items for paragraphs 6.2a and 6.2b. For this contract enter:
 - 6.2a. The title, number and date of each specification will be listed in the heading of the applicable SIR.
 - 6.2b. The issue of the DODISS used in this contract is (*enter date*).
 - Tailoring out digital requirements may result in parsing failure of the delivered files. All such tailoring must be coordinated with the specification Preparing Activity (PA).
 - All TM specifications applicable to this contract require an appropriately tailored SIR attached to this section. MIL-STD-38784 must be included in all contracts/proposals for AF TMSS-developed TOs.
 - Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from <http://www.dodssp.daps.mil>, or the Standardization Documents Order Desk, 700 Robbins Ave, Bldg 4D, Philadelphia, PA 19111-5094.
-

STANDARDIZATION INTERFACE RECORD FOR MIL-DTL-22202D.

31 March 1999

**Manual, Technical, Aircraft Cross-Servicing Guide,
Preparation of**

The requirements of 6.2 are met in this SIR (see below).

1.1 In addition to paper delivery, when this specification is used to develop digital delivery files (document type definitions – DTDs) contact the PA for additional instructions.

2.3 Ensure the listing for STANAG/ASCC Air Standard Documents is current. List applicable STANAG/ASCC Air Standards below.
(List STANAG/ASCC Air Standard Documents here.)

2.2.1 (Added) “Other government documents, drawings, and publications.

DEPARTMENT OF DEFENSE

DOD 5200.1-R

DoD Information Security Program Regulation

DOD 5220.22-M

National Industrial Security Program Operating Manual

4. Replace with: **“VERIFICATION.**

“All cross-servicing guides shall meet the requirements of sections 3 and 5 of this specification, as required by the acquiring activity. The requirements set forth in this specification shall become a part of the contractor’s overall inspection system or quality program. The absence of any requirements in this specification shall not relieve the contractor of the responsibility of ensuring that all products or supplies submitted to the government for acceptance comply with all requirements of the contract. Use of sampling inspections shall be at the discretion of the contractor, and in accordance with commercially acceptable quality assurance procedures. However, use of sampling in QA procedures does not authorize submission of known defective material, either indicated or actual, nor does it commit the government to accept defective material.”

5. Replace with: **“PACKAGING.**

"5.1 Packaging Requirements. For acquisition purposes, the packaging requirements shall be as specified in the contract or order. When the actual packaging of material is to be performed by DoD personnel, these personnel need to contact the responsible packaging activity to determine packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activity within the Military Department's System Command. Packaging data retrieval is available from the Military Department's or Defense Agency's automated packaging files, CD-ROM products, or the responsible packaging activity.

"5.1.2 Classified Material. Classified material shall be packaged and identified in accordance with DOD 5200.1-R, DOD 5220.22-M, and the implementing Service regulations."

- 6.2a Title, number, and date of the specification are listed above.
- 6.2b Issue of DODISS: *(fill in issue of DODISS applicable to this contract)*
- 6.2c Packaging requirements (see above).
- 6.2d Verification requirements (see above).

STANDARDIZATION INTERFACE RECORD FOR MIL-STD-38784.

2 July 1995

**Standard Practice for Manuals, Technical:
General Style and Format Requirements**

4.5.1.13 Destruction Notice. Change the existing sentence to read: "...or X shall be marked with Handling and Destruction Notice "a" (below) on the cover/title..." Add a new second sentence as follows: "Unclassified TOs authorized for Public Release (Distribution Statement "A") shall be marked with disposition notice "b" (below) on the title or T-2 page."

4.5.1.13.a. Designate existing paragraph as "a. HANDLING AND DESTRUCTION NOTICE..."
Add: "See TO 00-5-2 for specific destruction procedures."

4.5.1.13.b (Added) b. DISPOSITION NOTICE - Refer to TO 00-5-2 for disposition instructions.

STANDARDIZATION INTERFACE RECORD FOR MIL-PRF-38804,
Amendment 1,

1 March 1996
20 June 1997

Time Compliance Technical Orders - Preparation

3.5.5.3a (Added) Add new subpara "a" as follows:

a. Routine Safety Inspection Organizational/Intermediate Level TCTOs. "Not later than (#) days after receipt of this TCTO. Affected system/ equipment shall be removed from service if this TCTO is not accomplished within the specified number of days." The specified number of days for accomplishment shall be controlled by the degree of safety involved rather than the designated level of maintenance. If the compliance period cannot be met before the TCTO rescission date, the performing organization will request an extended compliance period according to TO 00-5-15.

3.5.5.3 Renumber existing paragraphs "a" thru "d" and retitle as follows:

- b. Routine Action, Organizational/Intermediate Level, Safety TCTO.
- c. Routine Action, Organizational/Intermediate Level TCTO.
- d. Routine Action, Organizational/Intermediate Level, Based Upon Maintenance Practice.
- e. Routine Action, Depot Level.

Attachment 1

Table 2a
Additional TM Type Selections
F-16 Block 25/30/32 Technical Orders Requiring Change

Technical Order Number	Technical Order Description
1F-16C-01	List of Applicable Publications F-16C/D Aircraft
1F-16C-06	Aircraft Maintenance Work Unit Code Manual, F-16 C/D Aircraft
1F-16C-06-11	Aircraft Maintenance (GE-110) Work Unit Code Manual, F-16 C/D Aircraft. (T.O. not tasked by the Flight Manual Group at LMAC for this ECP)
1F-16C-1	Flight Manual F-16 C/D Aircraft
1F-16C-1-1	Flight Manual F-16 C/D Aircraft
1F-16C-1-2	Supplemental Flight Manual F-16C/D
1F-16C-2-00FR-00-1	Fault Reporting F-16C/D Aircraft
1F-16C-2-00JG-00-1	Job Guide Index, F-16C/D Aircraft
1F-16C-2-1-1	Cross Servicing Manual F-16C/D Aircraft
1F-16C-2-94FI-00-1	Fault Isolation Weapons System, F-16C/D Aircraft
1F-16C-2-94GS-00-1	General System Weapons System F-16C/D Aircraft
1F-16C-2-94JG-00-1	Job Guide-Weapon System F-16C/D Aircraft
1F-16C-2-94JG-60-1	Job Guide - Fire Control Sensing System F-16C/D Aircraft
1F-16C-2-94JG-60-2	Job Guide - Fire Control Sensing System F-16C/D Aircraft
1F-16C-2-94JG-60-3	Job Guide - Fire Control Sensing System F-16C/D Aircraft
1F-16C-2-94JG-60-4	Job Guide - Fire Control Sensing System F-16C/D Aircraft
1F-16C-2-94JG-60-5	Job Guide - Fire Control Sensing System F-16C/D Aircraft (New) (Stand Alone LITENING II JG Targeting Pod Removal and Installation, LRU Removal and Installation, Power on Procedures, Ops Checkout, Routine Maintenance)
1F-16C-4-1	Illustrated Parts Breakdown F16C/D Aircraft F-16C/D Aircraft
1F-16C-4-2	Illustrated Parts Breakdown Numerical Index F-16C/D Aircraft
1F-16C-4-94	Illustrated Parts Breakdown-Weapons, System F-16C/D Aircraft
1F-16C-5-2	Loading Data, F-16C/D Aircraft
1F-16-6	Scheduled Inspection and Maintenance Requirements, F-16C/D Aircraft
1F-16C-6WC-1	Combined Preflight/Postflight, End-of-Runway, Thruflight, Launch and Recovery, Quick Turnaround, Basic Postflight, and Walk-around Before First Flight of Day Inspection Work cards F-16C/D Aircraft
1F-16C-6WC-1-11	Combined Preflight/Postflight, End-of-Runway, Thruflight, Launch and Recovery, Quick Turnaround, Basic Postflight, and Walk-around Before First Flight of Day Inspection Work cards (GE-110-GE-100/100B Engine) F-16C/D Aircraft 1F-16C-6-11* Scheduled Inspection and Maintenance Requirements (GE-110), F-16C/D Aircraft
1F-16C-6-11	Scheduled Inspection and Maintenance Requirements (GE-110), F-16C/D Aircraft
1F-16C-21	Aircraft Equipment Inventory List Master Guide
1F-16C-34-1-1	Avionics and Non Nuclear Weapons Delivery Flight Manual, F-16C/D Aircraft
1F-16C-34-1-1CL-1	Avionics and Non nuclear Weapons Delivery Flight Crew Procedures SCU3+ F-16C/D Aircraft
33D5-63-3-21	Operation and Maintenance Intermediate Stores Management System Test Unit
33D5-63-3-24	Illustrated Parts Breakdown Stores Management System

Note: The above is an example of T.O.s requiring change and is not an inclusive list of all F-16 T.O.s affected by ATP.

Attachment 1

Table 2b
Additional TM Type Selections
F-16 Block 50/52 Technical Orders Requiring Change

Technical Order Number	Technical Order Description
1F-16CJ-01	List of Applicable Publications F-16C/D Aircraft
1F-16CJ-06	Aircraft Maintenance Work Unit Code Manual, F-16 C/D Aircraft (Blks 50&52)
1F-16CJ-1	Flight Manual F-16 C/D Aircraft (Blks 50&52)
1F-16CJ-1-1	Flight Manual F-16 C/D Aircraft (Blks 50&52)
1F-16C-1-2	Supplemental Flight Manual F-16C/D (Blks 50&52)
1F-16CJ-2-00FR-00-1	Fault Reporting F-16C/D Aircraft (Blks 50&52)
1F-16CJ-2-00JG-00-1	Job Guide Index, F-16C/D Aircraft (Blks 50&52)
1F-16CJ-2-1-1	Cross Servicing Manual F-16C/D Aircraft (Blks 50&52)
1F-16CJ-2-94FI-00-1	Fault Isolation Weapons System, F-16C/D Aircraft (Blks 50&52)
1F-16CJ-2-94GS-00-1	General System Weapons System F-16C/D Aircraft (Blks 50&52)
1F-16CJ-2-94JG-00-1	Job Guide-Weapon System F-16C/D Aircraft (Blks 50&52)
1F-16CJ-2-94JG-60-1	Job Guide - Fire Control Sensing System F-16C/D Aircraft (Blks 50&52)
1F-16CJ-2-94JG-60-2	Job Guide - Fire Control Sensing System F-16C/D Aircraft (Blks 50&52)
1F-16CJ-2-94JG-60-3	Job Guide - Fire Control Sensing System F-16C/D Aircraft (Blks 50&52)
1F-16CJ-2-94JG-60-4	Job Guide - Fire Control Sensing System F-16C/D Aircraft (Blks 50&52)
1F-16CJ-2-94JG-60-5	Job Guide - Fire Control Sensing System F-16C/D Aircraft (New) (Stand Alone LITENING II JG Targeting Pod Removal and Installation, LRU Removal and Installation, Power on Procedures, Ops Checkout, Routine Maintenance) (Blks 50&52)
1F-16CJ-4-1	Illustrated Parts Breakdown F16C/D Aircraft F-16C/D Aircraft (Blks 50&52)
1F-16CJ-4-2	Illustrated Parts Breakdown Numerical Index F-16C/D Aircraft (Blks 50&52)
1F-16CJ-4-94	Illustrated Parts Breakdown-Weapons, System F-16C/D Aircraft (Blks 50&52)
1F-16CJ-5-2	Loading Data, F-16C/D Aircraft (Blks 50&52)
1F-16CJ-6	Scheduled Inspection and Maintenance Requirements, F-16C/D Aircraft (PW-229) (Blk 52)
1F-16CJ-6WC-1	Combined Preflight/Postflight, End-of-Runway, Thrufight, Launch and Recovery, Quick Turnaround, Basic Postflight, and Walk-around Before First Flight of Day Inspection Work cards F-16C/D Aircraft (Blk 52)
1F-16CJ-6WC-1-11	Combined Preflight/Postflight, End-of-Runway, Thrufight, Launch and Recovery, Quick Turnaround, Basic Postflight, and Walk-around Before First Flight of Day Inspection Work cards (GE-110-GE-100/100B Engine) F-16C/D Aircraft 1F-16C-6-11* Scheduled Inspection and Maintenance Requirements (GE-129), F-16C/D Aircraft (Blk 50)
1F-16CJ-6-11	Scheduled Inspection and Maintenance Requirements (GE-129), F-16C/D Aircraft (Blk 50)
1F-16CJ-21	Aircraft Equipment Inventory List Master Guide (Blks 50&52)
1F-16CJ-34-1-1	Avionics and Non Nuclear Weapons Delivery Flight Manual, F-16C/D Aircraft (Blks 50&52)
1F-16CJ-34-1-1CL-1	Avionics and Non nuclear Weapons Delivery Flight Crew Procedures SCU3+ F-16C/D Aircraft (Blks 50&52)
33D5-63-3-21	Operation and Maintenance Intermediate Stores Management System Test Unit
33D5-63-3-24	Illustrated Parts Breakdown Stores Management System

Note: The above is an example of T.O.s requiring change and is not an inclusive list of all F-16 T.O.s affected by ATP.

CONTRACT DATA REQUIREMENTS LIST

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 440 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 D.C. 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY: TDP TM OTHER				
D. SYSTEM/ITEM ATP		E. CONTRACT/PR NO. F33657-01-D-2029		F. CONTRACTOR LOCKHEED MARTIN				
1. DATA ITEM NO. A021	2. TITLE OF DATA ITEM TRAINING MATERIALS		3. SUBTITLE ORGANIZATIONAL LEVEL MAINTENANCE TRAINING					
4. AUTHORITY (Data Acquisition Document No.) DI-ILSS-80872/T		5. CONTRACT REFERENCE SOW PARA. 2.1.4, 2.2.4		6. REQUIRING OFFICE ASC/FBL LOG.				
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY ONE/R	12. DATE OF FIRST SUBMISSION BLOCK 16		14. DISTRIBUTION			
8. APP CODE	E	11. AS OF DATE BLOCK 16	13. DATE SUBSEQUENT SUBMISS BLOCK 16		b. COPIES			
16. REMARKS BLOCK 4: DATA ITEM IS TAILORED AS FOLLOWS: a. PARAGRAPH 10.1: DELETE PARA. IN ITS ENTIRETY AND REPLACE WITH: "THE TRAINING MATERIALS SHALL BE SUITABLE FOR THE PURPOSE OF INDOCTRINATING AND TRAINING OPERATORS AND MAINTENANCE PERSONNEL. THE MATERIALS SHALL CONTAIN SUFFICIENT WRITTEN OR AUDIO-VISUAL INSTRUCTIONS TO GUIDE STUDENTS THROUGH ALL SPECIFIED DIDACTIC AND HANDS-ON TRAINING. EXISTING manufacturers TRAINING AND SERVICE MANUALS CAN BE USED IN SO FAR AS THEY MEET SPECIFIED REQUIREMENTS. THE ROLE OF THE INSTRUCTOR WILL INVOLVE INTERACTION WITH THE STUDENTS, ANSWERING QUESTIONS AND PROVIDING SUPPLEMENTAL TRAINING WHEN NECESSARY. THE TRAINING MATERIALS SHOULD BE FOR STUDENTS WITH PREREQUISITE KNOWLEDGE OF ELECTRONIC THEORY, USE OF GENERAL ELECTRONIC TEST EQUIPMENT, AND A BASIC KNOWLEDGE OF HAND TOOLS." b. PARAGRAPH 10.2.1: DELETE THE WORD "CLINICAL." c. PARAGRAPH 10.2.1.2: DELETE d. PARAGRAPH 10.2.1.3: REPLACE THE WORD "PATIENT" WITH "AIRCRAFT." e. PARAGRAPH 10.2.2 (3): DELETE BLOCKS 10, 11, 12 AND 13: INITIAL (DRAFT) SUBMITTAL ONE HUNDRED EIGHTY (180) DAYS AFTER CONTRACT AWARD. FINAL CONCURRENT WITH; 1. SCHEDULED OT&E AND QOT&E ACTIVITIES; 2. INITIAL ACTIVATION (BEDDOWN) OF ATP AT EACH SITE. SUFFICIENT COPIES OF THE FINAL SHALL BE MADE AVAILABLE FOR PRESENTATION AT THE AFOREMENTIONED ACTIVITIES AND/OR SITES.				a. ADDRESSEE	Draft	Reg	Repro	Final
				ACCLGMA	1	1	0	
				ASC/YPXT	1	1	0	
				ANGLGMW	1	1	0	
				ACC/DRSA	1	1	0	
				WR-ALCLY TSA	1	1	0	
				ASC/YPLX	1	1	0	

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CONTRACT FILES

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE J - FFP	PAGE OF PAGES 1 of 2
2. AMENDMENT/MODIFICATION NO. P00005		3. EFFECTIVE DATE 08 MAR 2002		4. REQUISITION/PURCHASE REQ. NO.
6. ISSUED BY ASC/FBLK CODE		FA8607		5. PROJECT NO. (if applicable)
USAF/AFMC AERONAUTICAL SYSTEMS CENTER (ASC) 2725 C STREET WRIGHT-PATTERSON AFB OH 45433-7424 DEREK D. BONENCLARK (937) 904-5900 derek.bonenclark@wpafb.af.mil		7. ADMINISTERED BY (if other than item 6) CODE S1005A DCM LOCKHEED MARTIN ORLANDO 5600 SAND LAKE RD MP 49 ORLANDO FL 32819-8907		
8. NAME AND ADDRESS OF CONTRACTOR (No. street, county, State and ZIP Code) LOCKHEED MARTIN CORPORATION MISSILES & FIRE CONTROL - ORLANDO 5600 SAND LAKE ROAD ORLANDO FL 32819-8907			(X)	9A. AMENDMENT OF SOLICITATION NO.
MAILING DATE MAR 11 2002				9B. DATED (SEE ITEM 11)
CODE 04939 FACILITY CODE			X	10A. MODIFICATION OF CONTRACT/ORDER NO. F33657-01-D-2029
				10B. DATED (SEE ITEM 13) 20 AUG 2001
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers: <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:				
(a) By completing items 8 and 15, and returning _____ copies of the amendment, (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (if required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
(X)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO () THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. (ITEM 10A.			
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).			
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-1 Changes -- Fixed Price			
	D. OTHER (Specify type of modification and authority)			
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return 1 copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) SUBJECT: Risk Reduction Flight Testing Increase CHANGE IN PRICE: None CHANGE IN OBLIGATION: None NOTE: P00004 and P00005 issued prior to P00003 Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print) Michael A. Rushing, Sniper Contracts Manager			16A. NAME AND TITLE OF SIGNER (Type or print) KENNETH J. LANG Contracting Officer	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)		15C. DATE SIGNED 07 March 02		16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE ConWrite Version 4.2.7 Created 07 Mar 2002 10:43 AM		30-105		16C. DATE SIGNED 08 MAR 2002

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

Contract F33657-01-D-2029 is hereby modified by mutual agreement of both parties pursuant to FAR 52.243-1, Changes-Fixed Price as follows:

1. Section B - SUPPLIES OR SERVICES AND PRICES/COSTS is amended as follows:

(a) The value of CLIN 0111 is increased from \$713,826 to \$773,826, an increase of \$60,000.

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0111	CLIN Change		
	<i>Noun:</i>		F-16 BLOCK 30 SCU 4 QT&E SUPPORT - FY02
	<i>NSN:</i>		N - Not Applicable
	<i>Contract type:</i>		J - FIRM FIXED PRICE
	<i>Inspection:</i>		DESTINATION
	<i>Acceptance:</i>		DESTINATION
	<i>FOB:</i>		DESTINATION
	<i>Descriptive Data:</i>		
			The Contractor shall support the F-16 Block 30 SCU 4 QT&E IAW the Sniper System Specification and the SOW in Section C of this contract. Total CLIN amount is \$773,826.

(b) The following Section B clause is changed to read:

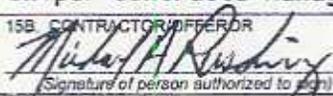
B028 CONTRACT TYPE: FIRM FIXED PRICE (Feb 1997)

The Not-To-Exceed total price for this contract is \$843,293,862.00

Applicable to following Line Items: All except CLIN 0009 (CLS)

2. All other terms and conditions remain unchanged as a result of this modification.

CONTRACT FILES

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE J - FFP	PAGE OF PAGES 1 of 3
2. AMENDMENT/MODIFICATION NO. P00003		3. EFFECTIVE DATE 08 APR 2002		4. REQUISITION/PURCHASE REQ. NO.
5. PROJECT NO. (If applicable)		5. PROJECT NO. (If applicable)		
6. ISSUED BY ASC/FBLK CODE		7. ADMINISTERED BY (If other than Item 6)		CODE S1005A
USAF/AFMC AERONAUTICAL SYSTEMS CENTER (ASC) 2725 C STREET WRIGHT-PATTERSON AFB OH 45433-7424 DEREK D. BONENCLARK (937) 904-5900 derek.bonenclark@wpafb.af.mil		DCM LOCKHEED MARTIN ORLANDO 5600 SAND LAKE RD MP 49 ORLANDO FL 32819-8907		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(X) 9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. F33657-01-D-2029 10B. DATED (SEE ITEM 13) 20 AUG 2001		
LOCKHEED MARTIN CORPORATION MISSILES & FIRE CONTROL - ORLANDO 5600 SAND LAKE ROAD ORLANDO FL 32819-8907		MAILING DATE APR 25 2002		
CODE 04939	FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.				
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATION OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
(X)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: () THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. ITEM 10A.			
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).			
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: By mutual agreement of the Parties, FAR 43.103(a)(3) in accordance with FAR 52.232-32, PBP			
	D. OTHER (Specify type of modification and authority)			
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return 1 copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)				
SUBJECT: Incorporation of Performance Based Payments CHANGE IN PRICE: None. CHANGE IN OBLIGATION: None. P00003 being issued after P00004 and P00005. Kenneth.Lang@wpafb.af.mil				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF SIGNER (Type or print)		
Michael A. Rushing Sniper Contracts Manager		KENNETH J. LANG Contracting Officer		
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA
 (Signature of person authorized to sign)		16 APR 02		16C. DATE SIGNED
NSN 7540-01-152-8070		30-105		BY:  (Signature of Contracting Officer)
PREVIOUS EDITION UNUSABLE ConWrite Version 4.2.7 Created 02 Apr 2002 3:26 PM		STANDARD FORM 30 (REV.10-83) Prescribed by GSA FAR (48 CFR) 53.243		

Contract F33657-01-D-2029 is hereby modified by P00003 to replace Progress payments with Performance Based Payments by mutual agreement of the Parties pursuant to FAR 43.103(a)(3) and in accordance with FAR 52.232-32.

1. Section H - Special Contract Requirements

(a) H-045 ORDERING PROVISION (Dec 2000), paragraph 6a. is administratively changed from

"a. Advanced Targeting Pods:

Capital assets on site to Support SIL and Flight Testing: 1 POD 10/01/01; 1 POD 11/30/01.

Initial Delivery(Delivery Order 0001): 2 pods, 9/24/02

Initial Deliveries for Subsequent Delivery Orders: 13 MARO

Subsequent Deliveries: 2 pods per month until order completed (except will deliver qty. 3 in Dec 02).

The Contractor shall plan pod deliveries concurrent with any other orders already received and in-process, with the maximum rate of pod deliveries per month being 8."

to

"a. Advanced Targeting Pods:

Capital assets on site to Support SIL and Flight Testing: 1 POD 10/01/01; 1 POD 11/30/01.

Initial Delivery(Delivery Order 0001): 2 pods, 9/24/02

Initial Deliveries for Subsequent Delivery Orders: 14 MARO

Subsequent Deliveries: 2 pods per month until order completed (except will deliver qty. 3 in Dec 02).

The Contractor shall plan pod deliveries concurrent with any other orders already received and in-process, with the maximum rate of pod deliveries per month being 8."

(b) H058 PERFORMANCE BASED PAYMENTS (Mar 2002) is added as follows:

"H058 PERFORMANCE BASED PAYMENTS (Mar 2002)

In accordance with FAR 52.232-32, the Contractor shall be paid on the basis of successful performance of specified events under the following conditions:

a. Successful completion criteria, invoicing procedures, and payment schedule examples are located in Section J, Attachment 7 of this contract. Performance based payment and liquidation events shall be attached to each delivery order.

b. The payment events by individual CLIN are severable. As such, payments may be made for multiple CLINs and are not dependent on completion of CLINs in any particular order. However, the payment events within each CLIN are cumulative. The successful completion of each of these events is dependent on the accomplishment of all preceding events for the CLIN. This also applies to payment events for the CLINs grouped under the "Production" category (0001,0004,0005,0006,0007,0010) by percentage of standards completed, percentage of order receipts complete, and percentage of purchase order line items placed.

c. The ACO is authorized to approve payment of Performance Based Payment events upon completion of event verification and subsequent to presentation of Contractor certification of completion. In addition, the ACO is authorized to approve payment of liquidation events in accordance with the event requirements identified in Section J, Attachment 7 of this contract.

d. CLIN's 0006(LRU Spares) & 0010(Warranty) support the availability requirements of the contract and are tied to the pod deliveries.

e. Government financing of this contract was established under the Progress Payments clause, FAR 52.232-16. FAR 32.005(a)(2) requires adequate consideration for changes to contract financing by the Government after award. The amount of new consideration must be commensurate with the added value provided to the Contractor for the financing changes. The Lockheed Martin Corporation and the Government in accordance with these requirements, hereby agree to the following:

1. Additional consideration is not required while Government financing of this contract does not exceed the 75% threshold as authorized by 52.232-16, Progress Payments, under which this contract was awarded.
2. No performance based payment schedules incorporated by delivery orders to this contract shall exceed the financing threshold identified above.
3. Any upward change to financing thresholds under this clause shall be by mutual agreement of the Parties and shall require consideration from the Lockheed Martin Corporation in accordance with FAR 32.005(a)(2)."

2. Section I - Contract Clauses

- (a) FAR 52.232-16 PROGRESS PAYMENTS (Mar 2000) is deleted.
- (b) FAR 52.232-32 PERFORMANCE BASED PAYMENTS (Feb 2002) is added.

3. Section J - Attachments

- (a) Attachment 7, Performance Based Payments dated 19 Mar 2002 is added.

4. All other contract terms and conditions remain unchanged and in full force and effect as a result of this modification.

USAF CONTRACT

F33657-01-D-2029

ATTACHMENT 7

PERFORMANCE BASED PAYMENTS

Attachment 7 Performance Based Payments

- (1) Performance Based Payments under this contract consist of multiple cumulative and severable events. This attachment includes event descriptions, success and verification criteria as well as an example of a performance based payment and liquidation event schedule.

- (2) The invoicing procedure will consist of the following:
 - a. The Lockheed Martin Corporation shall request performance-based payments in accordance with the requirements of FAR 52.232-32, Performance Based Payments (Feb 2002).

 - b. DCMC Lockheed Martin, will approve payments for each event through the ACO or designated representative after ensuring compliance with the success criteria and verification requirements in accordance with this attachment.

 - c. The invoice will then be submitted to DCMC LMO ACO for approval.

- (3) Dates on the performance based payment and liquidation schedules are provided for planning purposes only. Payment shall be in accordance with FAR 52.232-32, Performance-Based Payments (Feb 2002).

- (4) Performance Based Payment documents are attached hereto in the following order:
 - a. PAYMENT CRITERIA

 - b. EXAMPLE PAYMENT SCHEDULES
 - o PERFORMANCE BASED PAYMENT EVENTS (EXAMPLE)

 - o LIQUIDATION EVENTS (EXAMPLE)

PAYMENT CRITERIA

	MILESTONE DESCRIPTION	SUCCESS CRITERIA	VERIFICATION
A	% PURCHASE ORDER LINE ITEMS PLACED	COMPLETION OF PURCHASE ORDER BLOCKS AS DEFINED BY THE DIVISION ADMINISTRATIVE CONTRACTING OFFICER (DACO) APPROVED LMC MRP SYSTEMS.	ADMINISTRATIVE CONTRACTING OFFICER (ACO) VERIFY ORDERS PLACED
B	% PURCHASE ORDER RECEIPTS COMPLETE	COMPLETION OF PURCHASE ORDER BLOCKS AS DEFINED BY THE DIVISION ADMINISTRATIVE CONTRACTING OFFICER (DACO) APPROVED LMC MRP SYSTEMS.	ACO VERIFY SUCCESSFUL COMPLETION
C	% STANDARDS COMPLETE	SUCCESS MEASURED BY A PLAN VS ACTUALS STANDARDS REPORT GENERATED ON A MONTHLY BASIS.	ACO VERIFY SUCCESSFUL COMPLETION
D	ACA COMPLETE	ACA COMPLETE. COPY PROVIDED TO GOVERNMENT FOR VERIFICATION	ACO VERIFY ACA SUCCESSFULLY COMPLETED IN ACCORDANCE WITH CONTRACT REQUIREMENTS.
E	INITIAL T.O. SOURCE DATA GUIDANCE CONFERENCE WITH LM AERO	CONTRACTOR SUPPORTED SOURCE DATA GUIDANCE CONFERENCE WITH LM AERO AND GOVERNMENT. EXCHANGED INFORMATION, SCHEDULES, AND TECHNICAL DATA	ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK
F	CONTRACTOR POD #1 AVAILABLE AND SUPPORT TO F-16 BLOCK 30 AISF # 1 CONTRACTOR POD #2 AVAILABLE AND SUPPORT TO F-16 BLOCK 30 AISF # 2 FLIGHT TEST RISK REDUCTION COMPLETE CONTRACTOR POD #3 AVAILABLE AND SUPPORT TO F-16 BLOCK 30 AISF # 3	CLEARANCE TO PROCEED TO NEXT STEP	ASC/FBL POC: LOGISTICS ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK
G	AISF#1 PERSONNEL TRAINING CONDUCTED AISF#2 PERSONNEL TRAINING CONDUCTED BLOCK 40/50 M3.1 + QOT&E TRAINING COURSE CONDUCTED	SUCCESSFUL COMPLETION OF THE COURSE TRAINING	ASC/FBL POC: TEST ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK
H	SEEK EAGLE FLIGHT CLEARANCE ISSUED BY F-16 SPO	SEEK EAGLE CERTIFICATION ISSUED BY F-16 SPO	ASC/FBL POC: LOGISTICS ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK ASC/FBL POC: TEST

PAYMENT CRITERIA

	MILESTONE DESCRIPTION	SUCCESS CRITERIA	VERIFICATION
I	DEVELOP COURSE OBJECTIVE FOR AIRCREW AND MAINTAINER TRAINING COURSES	CONTRACTOR PRESENTS ACCEPTABLE COURSE OBJECTIVES IN ACCORDANCE WITH CDRLS A020 AND A021. PROVIDE COPY OF CORRESPONDENCE PROVIDING COURSE DATA TO GOVERNMENT.	ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK
J	DEVELOP COURSE OUTLINE FOR AIRCREW AND MAINTAINER TRAINING COURSES	TRAINING COURSE OUTLINE PROVIDED TO GOVERNMENT FOR REVIEW. TRAINING COURSE OUTLINE ACCEPTED BY GOVERNMENT.	ASC/FBL POC: LOGISTICS ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK
K	A018 - TECHNICAL MANUALS PROVIDED TO GOVERNMENT	SUCCESSFUL DELIVERY OF SOURCE DATA COMPLIANT WITH CDRL A018 AND ASSOCIATED TECHNICAL MANUAL CONTRACT REQUIREMENTS (TMCB).	ASC/FBL POC: LOGISTICS ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK
L	SITE SURVEY FOR SITE ACTIVATION # 1 CONDUCTED SITE SURVEY FOR SITE ACTIVATION # 2 CONDUCTED SITE SURVEY FOR SITE ACTIVATION # 3 CONDUCTED	COMPLETE SITE SURVEY IN PREPARATION FOR SITE ACTIVATION IN ACCORDANCE WITH THE SITE ACTIVATION PLAN.	ASC/FBL POC: LOGISTICS ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK
M	1 ST SITE ACTIVATION COMPLETE 2 ND SITE ACTIVATION COMPLETE	COMPLETE SITE ACTIVATION IN ACCORDANCE WITH SITE ACTIVATION PLAN TO INCLUDE DELIVERY AND UPLOAD OF PODS, SPARES, SUPPORT EQUIPMENT AND TRAINING	ASC/FBL POC: LOGISTICS ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK
N	LIQUIDATION EVENT A017- SOURCE DATA SUBMITTED TO LM AERO COMPLETE	CONTRACTOR SUCCESSFULLY COMPLETED DELIVERY OF ALL SOURCE DATA (TO INCLUDE ANY COMMODITY MANUALS) IN ACCORDANCE WITH CDRL A017.	ASC/FBL POC: LOGISTICS ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK
O	LIQUIDATION EVENT BLOCK 30 SCU 4 QOT&E TRAINING COURSE CONDUCTED	CONTRACTOR SUCCESSFULLY COMPLETED THE PRESENTATION OF COURSE MATERIAL AT AISF #3	ASC/FBL POC: LOGISTICS ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK

PAYMENT CRITERIA

MILESTONE DESCRIPTION	SUCCESS CRITERIA	VERIFICATION
P LIQUIDATION EVENT QT&E REGRESSION SUPPORT/TEST COMPLETED	QT&E BLOCK 30 FLIGHT TEST COMPLETE AND SUCCESSFUL TRANSITION TO QOT&E	ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK
Q LIQUIDATION EVENT A020, A021 - SUBMIT AIRCREW/O-LEVEL TRAINING MATERIALS	CONTRACTOR SUCCESSFULLY DELIVER AIRCREW AND O-LEVEL TRAINING COURSE MATERIAL IN ACCORDANCE WITH CDRLS A020 AND A021.	ASC/FBL POC: TEST ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK ASC/FBL POC: LOGISTICS
R LIQUIDATION EVENT DELIVER SYSTEM # ACTIVATE SPARES SYSTEM # ACTIVATE WARRANTY SYSTEM #	POD ACCEPTANCE	EXECUTION OF DD250 FOR POD SYSTEM
S LIQUIDATION EVENT DELIVER PYLONS SYSTEM #	ACCEPTANCE	EXECUTION OF DD250
T LIQUIDATION EVENT O-LEVEL SE DELIVERED	O-LEVEL SE ACCEPTANCE	EXECUTION OF O-LEVEL SE DD250
U LIQUIDATION EVENT 3 rd SITE ACTIVATION COMPLETE	COMPLETE SITE ACTIVATION IN ACCORDANCE WITH SITE ACTIVATION PLAN TO INCLUDE DELIVERY AND UPLOAD OF PODS, SUPPORT EQUIPMENT AND TRAINING	ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK
V LIQUIDATION EVENT POD SHIPPING CONTAINERS DELIVERED	ACCEPTANCE	ASC/FBL POC: LOGISTICS EXECUTION OF DD250
W LIQUIDATION EVENT LRU SHIPPING CONTAINERS (LOT) DELIVERED	ACCEPTANCE	EXECUTION OF DD250

PAYMENT CRITERIA

	MILESTONE DESCRIPTION	SUCCESS CRITERIA	VERIFICATION
X	FLIGHT TEST RISK REDUCTION COMPLETE	REQUIRED SUMMARY DATA PROVIDED TO GOVERNMENT FOR REVIEW.	ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK ASC/FBL POC: TEST
Y	INITIAL BLOCK 50 SIL TESTING COMPLETED 2 ND BLOCK 50 SIL TESTING COMPLETED	CLEARANCE FOR FLIGHT RELEASE ISSUED BY SIL	ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK ASC/FBL POC: TEST
Z	LIQUIDATION EVENT F-16 BLOCK 40/50 QT&E SUPPORT COMPLETED	QT&E BLOCK 50 FLIGHT TEST PROGRAM COMPLETED. SUCCESSFUL TRANSITION TO QOT&E.	ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK ASC/FBL POC: TEST
AA	INTERIM CONTRACTOR SUPPORT (ICS) PROVIDED	CONTRACTOR SUPPORT PROVIDED IAW CONTRACT	ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK ASC/FBL POC: LOGISTICS
AB	LIQUIDATION EVENT ICS PERIOD EXPIRED	CONTRACTOR SUPPORT PROVIDED IAW CONTRACT	ACO VERIFY SUCCESSFUL COMPLETION THROUGH ASC/FBLK ASC/FBL POC: LOGISTICS

EVENT NO.	Payment Criteria	DATE	CLIN	DESCRIPTION OF MILESTONE	ACRN AA	ACRN AB	TOTAL	0001	0004	0006	0008	0007	0010	0107
DD7-54	C	Sep-02	0006	25% Standards Complete	[REDACTED]	[REDACTED]	[REDACTED]							
DD7-55	C	Sep-02	0007	25% Standards Complete	[REDACTED]	[REDACTED]	[REDACTED]							
DD7-56	C	Sep-02	0010	25% Standards Complete	[REDACTED]	[REDACTED]	[REDACTED]							
DD7-57	B	Sep-02	0001	75% Purchase Order Receipts Complete	[REDACTED]	[REDACTED]	[REDACTED]							
DD7-58	B	Sep-02	0004	75% Purchase Order Receipts Complete	[REDACTED]	[REDACTED]	[REDACTED]							
DD7-59	B	Sep-02	0005	75% Purchase Order Receipts Complete	[REDACTED]	[REDACTED]	[REDACTED]							
DD7-60	B	Sep-02	0006	75% Purchase Order Receipts Complete	[REDACTED]	[REDACTED]	[REDACTED]							
DD7-61	B	Sep-02	0007	75% Purchase Order Receipts Complete	[REDACTED]	[REDACTED]	[REDACTED]							
DD7-62	B	Sep-02	0010	75% Purchase Order Receipts Complete	[REDACTED]	[REDACTED]	[REDACTED]							
DD7-63	C	Nov-02	0001	50% Standards Complete	[REDACTED]	[REDACTED]	[REDACTED]							
DD7-64	C	Nov-02	0004	50% Standards Complete	[REDACTED]	[REDACTED]	[REDACTED]							
DD7-65	C	Nov-02	0005	50% Standards Complete	[REDACTED]	[REDACTED]	[REDACTED]							
DD7-66	C	Nov-02	0006	50% Standards Complete	[REDACTED]	[REDACTED]	[REDACTED]							
DD7-67	C	Nov-02	0007	50% Standards Complete	[REDACTED]	[REDACTED]	[REDACTED]							
DD7-68	C	Dec-02	0001	75% Standards Complete	[REDACTED]	[REDACTED]	[REDACTED]							
DD7-69	C	Dec-02	0004	75% Standards Complete	[REDACTED]	[REDACTED]	[REDACTED]							
DD7-70	C	Dec-02	0005	75% Standards Complete	[REDACTED]	[REDACTED]	[REDACTED]							
DD7-71	C	Dec-02	0006	75% Standards Complete	[REDACTED]	[REDACTED]	[REDACTED]							
DD7-72	C	Dec-02	0007	75% Standards Complete	[REDACTED]	[REDACTED]	[REDACTED]							
DD7-73	C	Dec-02	0010	75% Standards Complete	[REDACTED]	[REDACTED]	[REDACTED]							
DD7-74	C	Dec-02	0010	75% Standards Complete	[REDACTED]	[REDACTED]	[REDACTED]							
TOTAL					[REDACTED]	[REDACTED]	[REDACTED]							

ABOVE PRODUCTION CLIN PAYMENT VALUES ARE BASED ON THE FOLLOWING DELIVERY ORDER INFORMATION:

Note: Production CLINs are 0001, 0004, 0005, 0006, 0007, and 0010

CLIN #	QUANTITY	TOTAL
1(Pods)	10	
4(Pod ShipCont)	3	
5(Pylons)	12	
6(LRU Spares)	1	
7(LRU ShipCont)	1	
10(Warranty)	10	

Payment event calculation for Production CLINs

% of P.O. Line Items Placed = Total CLIN Value * 65% / (Assessed Value of Mat/Cont) * 40% / (Value Of This Effort) * Percentage work accomplished by this event (10%, 15%, 25%, 25%)

% of P.O. Line Item Receipts Complete = Total CLIN Value * 65% / (Assessed Value of Mat/Cont) * 60% / (Value Of This Effort) * Percentage work accomplished by this event (10%, 15%, 25%, 25%)

% Standards Complete = Total CLIN Value * 55% / (Assessed Value of LM Labor) * Percentage work accomplished by this event (10%, 15%, 25%, 25%)

NOTE: Financing shall not exceed 75% without requiring consideration from the contractor

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE / LINE PAGE OF PAGES
 - J - FFP 1 of 2

2. AMENDMENT/MODIFICATION NO. P00001	3. EFFECTIVE DATE 04 OCT 2001 FA8607	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (if applicable)
6. ISSUED BY ASC/FBLK CODE		7. ADMINISTERED BY (if other than Item 5) CODE S1005A	
USAF/AFMC AERONAUTICAL SYSTEMS CENTER (ASC) 2725 C STREET WRIGHT-PATTERSON AFB OH 45433-7424 JOSEPH E. BRACHT (937) 904-5891 Joseph.Bracht@wpafb.af.mil		DCM LOCKHEED MARTIN ORLANDO 5600 SAND LAKE RD MP 49 ORLANDO FL 32819-8907	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) LOCKHEED MARTIN CORPORATION MISSILES & FIRE CONTROL - ORLANDO 5600 SAND LAKE ROAD ORLANDO FL 32819-8907	(X)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	MAILING DATE OCT 04 2001	10A. MODIFICATION OF CONTRACT/ORDER NO. F33657-01-D-2029
	X	10B. DATED (SEE ITEM 13)
CODE 04939	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:

is extended, is not extended.

(a) By completing items 8 and 10, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. **FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.** If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

13. THIS ITEM APPLIES ONLY TO MODIFICATION OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(X)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: () THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-1 Changes -- Fixed Price
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
 SUBJECT: Incorporation of Revised DD Form 254
 CHANGE IN PRICE: None.
 CHANGE IN OBLIGATION: None.

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Michael A. Rushing Sniper/PANTERA Contracts Manager	16A. NAME AND TITLE OF SIGNER (Type or print) RONALD F. HILL Contracting Officer
15B. CONTRACTOR/OFFEROR <i>Michael A. Rushing</i> (Signature of person authorized to sign)	15C. DATE SIGNED 19 SEP 01
16B. UNITED STATES OF AMERICA BY <i>Ron Hill</i> (Signature of Contracting Officer)	16C. DATE SIGNED 1 Oct 01

1. Pursuant to the "Changes" clause, the above-numbered contract is modified as follows:

a. SECTION J - List of Attachments is changed as follows and is attached hereto:

From:	ATTACHMENT TITLE	DATE	NO. OF PAGES
2	Contract Security Classification Specification, DD Form 254	21 Sep 00	6

To:	ATTACHMENT TITLE	DATE	NO. OF PAGES
2	Contract Security Classification Specification, DD Form 254, Rev. 1	20 Aug 01	6

b. SECTION J, Attachment 3, "Contract Security Classification Specification", dated 21 September 2000, is hereby replaced by "Contract Security Classification Specification, Revision 1", dated 20 August 2001, attached hereto.

2. This Supplemental Agreement, P00001, constitutes full settlement of all claims of the Contractor arising out of or in connection with the changes effected hereby.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE: J - FFP
PAGE OF PAGES: 1 of 2

2. AMENDMENT/MODIFICATION NO. PG0001	3. EFFECTIVE DATE 04 OCT 2001 FA8607	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (if applicable) S1005A
6. ISSUED BY: ASC/FBLK USAF/AFMC AERONAUTICAL SYSTEMS CENTER (ASC) 2725 C STREET WRIGHT-PATTERSON AFB OH 45433-7424 JOSEPH E. BRACHT (937) 904-5891 Joseph.Bracht@wpafb.af.mil		7. ADMINISTERED BY (if other than Item 6) DCM LOCKHEED MARTIN ORLANDO 5600 SAND LAKE RD MP 49 ORLANDO FL 32819-8907	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) LOCKHEED MARTIN CORPORATION MISSILES & FIRE CONTROL - ORLANDO 5600 SAND LAKE ROAD ORLANDO FL 32819-8907	MAILING DATE OCT 04 2001	(X)	9A. AMENDMENT OF SOLICITATION NO.
			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. F33657-01-D-2029
			10B. DATED (SEE ITEM 13)

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) by acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

is extended, is not extended

12. ACCOUNTING AND APPROPRIATION DATA (if required)

13. THIS ITEM APPLIES ONLY TO MODIFICATION OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(X)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: () THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-1 Changes - Fixed Price
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
SUBJECT: Incorporation of Revised DD Form 254
CHANGE IN PRICE: None.
CHANGE IN OBLIGATION: None.

5A. NAME AND TITLE OF SIGNER (Type or print) Michael A. Rushing Sniper/PANTERA Contracts Manager		16A. NAME AND TITLE OF SIGNER (Type or print) RONALD F. HILL Contracting Officer	
5B. CONTRACTOR/OFFEROR <i>Michael A. Rushing</i> (Signature of person authorized to sign)	15C. DATE SIGNED 19 SEP 01	16B. UNITED STATES OF AMERICA BY: <i>Ron Hill</i> (Signature of Contracting Officer)	16C. DATE SIGNED 1 OCT 01

**DEPARTMENT OF DEFENSE
CONTRACT SECURITY CLASSIFICATION SPECIFICATION**

(The requirements of the DoD Industrial Security Manual apply to all security aspects of this effort)

1. CLEARANCE AND SAFEGUARDING

a. FACILITY CLEARANCE REQUIRED
SECRET

b. LEVEL OF SAFEGUARDING REQUIRED
SECRET

2. THIS SPECIFICATION IS FOR: (X and complete as applicable)

a. PRIME CONTRACT NUMBER
F33657-01-D-2029 **EXP. DATE: 31 DEC 10**

b. SUBCONTRACT NUMBER

c. SOLICITATION OR OTHER NUMBER DUE Date (YYMMDD)

3. THIS SPECIFICATION IS: (X and complete as applicable)

a. ORIGINAL (Complete date in all cases) Date (YYMMDD)

b. REVISED (Supersedes all previous specs) Revision No. **1** Date (YYMMDD)
1 08 20

c. FINAL (Complete Item 5 in all cases) Date (YYMMDD)

4. IS THIS A FOLLOW-ON CONTRACT?

YES NO. If Yes, complete the following:

Classified material received or generated under _____ (Preceding Contract Number) is transferred to this follow-on contract

5. IS THIS A FINAL DD FORM 254?

YES NO. If Yes, complete the following:

In response to the contractor's requested dated _____, retention of the identified classified material is authorized for the period of _____

6. CONTRACTOR (Include Commercial and Government Entity (CAGE) Code)

a. NAME, ADDRESS, AND ZIP CODE
**Lockheed Martin, Missiles & Fire Control - Orlando
5600 Sand Lake Road
Orlando, Florida 32819-8907**

b. CAGE CODE
04939

c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)
**DSS Southeast Region
2300 Lake Park Drive, Ste. 250
Smyrna, GA 30080-7606**

7. SUBCONTRACTOR

a. NAME, ADDRESS, AND ZIP CODE
N/A

b. CAGE CODE
N/A

c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)
N/A

8. ACTUAL PERFORMANCE

a. LOCATION
**Lockheed Martin Missiles & Fire Control - Orlando
Ocala Operations
498 Oak Road
Ocala, Florida 34472-3099**

b. CAGE CODE
34675

c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)
**DSS Southeast Region
2300 Lake Park Drive, Ste. 250
Smyrna, GA 30080-7606**

9. GENERAL IDENTIFICATION OF THIS PROCUREMENT

USAF and ANG Advanced Targeting Pod (ATP) procurement of pods, support/test equipment, technical data, and interim contractor support.

10. THIS CONTRACT WILL REQUIRE ACCESS TO:

YES NO

a. COMMUNICATIONS SECURITY (COMSEC) INFORMATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. RESTRICTED DATA	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. CRITICAL NUCLEAR WEAPON DESIGN INFORMATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. FORMERLY RESTRICTED DATA	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. INTELLIGENCE INFORMATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(1) Sensitive Compartmented Information (SCI)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(2) Non-SCI	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. SPECIAL ACCESS INFORMATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g. NATO INFORMATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h. FOREIGN GOVERNMENT INFORMATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i. LIMITED DISSEMINATION INFORMATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>
j. FOR OFFICIAL USE ONLY INFORMATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>
k. OTHER (Specify)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

11. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL:

YES NO

a. HAVE ACCESS TO CLASSIFIED INFORMATION ONLY AT ANOTHER CONTRACTOR'S FACILITY OR A GOVERNMENT ACTIVITY	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. RECEIVE CLASSIFIED DOCUMENTS ONLY	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. RECEIVE AND GENERATE CLASSIFIED MATERIAL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. FABRICATE, MODIFY, OR STORE CLASSIFIED HARDWARE	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. PERFORM SERVICES ONLY	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. HAVE ACCESS TO U.S. CLASSIFIED INFORMATION OUTSIDE THE U.S. PUERTO RICO, U.S. POSSESSIONS AND TRUST TERRITORIES	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g. BE AUTHORIZED TO USE THE SERVICES OF DEFENSE TECHNICAL INFORMATION CENTER (DTIC) OR OTHER SECONDARY DISTRIBUTION CENTER	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h. REQUIRE A COMSEC ACCOUNT	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i. HAVE TEMPEST REQUIREMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>
j. HAVE OPERATIONS SECURITY (OPSEC) REQUIREMENTS	<input type="checkbox"/>	<input checked="" type="checkbox"/>
k. BE AUTHORIZED TO USE THE DEFENSE COURIER SERVICE	<input type="checkbox"/>	<input checked="" type="checkbox"/>
l. OTHER (Specify)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

12. PUBLIC RELEASE. Any information (classified or unclassified) pertaining to this contract shall not be released for public dissemination except as provided by the Industrial Security Manual or unless it has been approved for public release by appropriate Government authority. Proposed public releases shall be submitted for approval prior to release.

Direct Through (Specify):

ASC/PA, Building 14
1865 4th Street, Room 240
WPAFB OH 45433-7129

to the Directorate for Freedom of Information and Security Review, Office of the Assistant Secretary of Defense (Public Affairs) for review. In the case of non-DoD User Agencies, requests for disclosure shall be submitted to that agency.

13. SECURITY GUIDANCE. The security classification guidance used for this classified effort is identified below. If any difficulty is encountered in applying this guidance or if any other contributing factor indicates a need for changes in this guidance, the contractor is authorized and encouraged to provide recommended changes; to challenge the guidance or the classification assigned to any information or material furnished or generated under this contract; and to submit any questions for interpretation of this guidance to the official identified below. Pending final decision, the information involved shall be handled and protected at the highest level of classification assigned or recommended. (FBI is as appropriate for the classified effort. Attach, or forward under separate correspondence, any documents/circulars/contracts reference herein. Add additional pages as needed to provide complete guidance.)

The National Industrial Security Program Operating Manual (NISPOM), January 1995 applies to this contract.

- a. Ref Blk 10a/11h: COMSEC and/or cryptographic requirements apply. See DoD 5220.22-S.
- b. Ref Blk 10e(2): Contractor will require access to intelligence information and must comply with AFI 14-303/AFMC Supplement 1. The Program Manager has determined that disclosure does not create an unfair competitive advantage for the contractor or a conflict of interest with the contractor's obligation to protect the information and will submit the AFMC Form 210 to the local SIO for approval prior to granting access.
- c. Ref Blk 10j: For Official Use Only (FOUO) applies. See Addendum.
- d. Ref Blk 11c: Any classified material generated in the performance of this contract shall require the contractor to apply derivative classification and markings consistent with the source material or be governed by the current version of the Non-Cooperative Target Recognition Security Classification Guide, 30 March 1990. Special Considerations Apply. See Addendum. SCG will be provided under separate cover.
- e. Ref Blk 11d: This contractor is required to provide adequate and approved storage for classified hardware or material to the level of SECRET, which because of size or quantity cannot be safeguarded in an approved storage container.
- f. Ref Blk 11i: EMSEC requirements apply. See addendum.
- g. Program Manager: Shirley Morrison, ASC/FBL, (937) 904-5908.
- h. DISTRIBUTION: 88th SFS/SFAS, 1801 Tenth St., Rm 103, WPAFB OH 45433-7625; ASC/NAIC/POA, 2690 Loop Road West, Bldg 556, Rm 017, WPAFB OH 45433-7106

Coordinated (via email) by Lt Col Andrew L. Pickens, ASC/NAIC/POA, (937) 255-8108 on 27 Aug 01

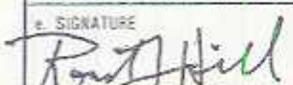
14. ADDITIONAL SECURITY REQUIREMENTS. Requirements, in addition to ISM requirements, are established for this contract. If Yes, identify the pertinent contractual clauses in the contract document itself, or provide an appropriate statement which identifies the additional requirements. Provide a copy of the requirements to the cognizant security office. Use Item 13 if additional space is needed.

Yes No

15. INSPECTIONS. Elements of this contract are outside the inspection responsibility of the cognizant security office. If Yes, identify specific areas or elements covered and the activity responsible for inspections. Use Item 13 if additional space is needed.

Yes No

16. CERTIFICATION AND SIGNATURE. Security requirements stated herein are complete and adequate for safeguarding the classified information to be released or generated under this classified effort. All questions shall be referred to the official named below.

a. TYPED NAME OF CERTIFYING OFFICIAL RONALD F. HILL		b. TITLE Contracting Officer		c. TELEPHONE (Include Area Code) (937) 904-5847	
d. ADDRESS (Include Zip Code) ASC/FBK 2725 C Street WPAFB OH 45433-7424		88 SFS/SFAS COORDINATION PC-ONLY Spec Delon 28 Aug 01		17. REQUIRED DISTRIBUTION	
e. SIGNATURE 				<input checked="" type="checkbox"/> a. CONTRACTOR	<input checked="" type="checkbox"/> b. SUBCONTRACTOR
		<input checked="" type="checkbox"/> e. ADMINISTRATION CONTRACTING OFFICER	<input checked="" type="checkbox"/> f. OTHERS AS NECESSARY		

**DEPARTMENT OF DEFENSE
CONTRACT SECURITY CLASSIFICATION SPECIFICATION**

(The requirements of the DoD Industrial Security Manual apply to all security aspects of this effort)

1. CLEARANCE AND SAFEGUARDING

a. FACILITY CLEARANCE REQUIRED
SECRET

b. LEVEL OF SAFEGUARDING REQUIRED
SECRET

2. THIS SPECIFICATION IS FOR: (X and complete as applicable)

a. PRIME CONTRACT NUMBER
F33657-01-D-2029 **EXP. DATE: 31 DEC 10**

b. SUBCONTRACT NUMBER

c. SOLICITATION OR OTHER NUMBER DUE Date (YYMMDD)

3. THIS SPECIFICATION IS: (X and complete as applicable)

a. ORIGINAL (Complete date in all cases) Date (YYMMDD)

b. REVISED (Supersedes all previous specs) Revision No. **1** Date (YYMMDD) **1 08 20**

c. FINAL (Complete Item 5 in all cases) Date (YYMMDD)

4. IS THIS A FOLLOW-ON CONTRACT? YES NO. If Yes, complete the following:

Classified material received or generated under _____ (Preceding Contract Number) is transferred to this follow-on contract

5. IS THIS A FINAL DD FORM 254? YES NO. If Yes, complete the following:

In response to the contractor's requested dated _____, retention of the identified classified material is authorized for the period of _____

6. CONTRACTOR (Include Commercial and Government Entity (CAGE) Code)

a. NAME, ADDRESS, AND ZIP CODE
**Lockheed Martin Missiles & Fire Control - Orlando
5600 Sand Lake Road
Orlando, Florida 32819-8907**

b. CAGE CODE
04939

c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)
**DSS Southeast Region
2300 Lake Park Drive, Ste. 250
Smyrna, GA 30080-7606**

7. SUBCONTRACTOR

a. NAME, ADDRESS, AND ZIP CODE
N/A

b. CAGE CODE
N/A

c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)
N/A

8. ACTUAL PERFORMANCE

a. LOCATION
**Lockheed Martin Missiles & Fire Control - Orlando
Ocala Operations
498 Oak Road
Ocala, Florida 34472-3099**

b. CAGE CODE
34675

c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)
**DSS Southeast Region
2300 Lake Park Drive, Ste. 250
Smyrna, GA 30080-7606**

9. GENERAL IDENTIFICATION OF THIS PROCUREMENT

USAF and ANG Advanced Targeting Pod (ATP) procurement of pods, support/test equipment, technical data, and interim contractor support.

10. THIS CONTRACT WILL REQUIRE ACCESS TO:

	YES	NO
a. COMMUNICATIONS SECURITY (COMSEC) INFORMATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. RESTRICTED DATA	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. CRITICAL NUCLEAR WEAPON DESIGN INFORMATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. FORMERLY RESTRICTED DATA	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. INTELLIGENCE INFORMATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(1) Sensitive Compartmented Information (SCI)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(2) Non-SCI	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. SPECIAL ACCESS INFORMATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g. NATO INFORMATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h. FOREIGN GOVERNMENT INFORMATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i. LIMITED DISSEMINATION INFORMATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>
j. FOR OFFICIAL USE ONLY INFORMATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>
k. OTHER (Specify)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

11. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL:

	YES	NO
a. HAVE ACCESS TO CLASSIFIED INFORMATION ONLY AT ANOTHER CONTRACTOR'S FACILITY OR A GOVERNMENT ACTIVITY	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. RECEIVE CLASSIFIED DOCUMENTS ONLY	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. RECEIVE AND GENERATE CLASSIFIED MATERIAL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. FABRICATE, MODIFY, OR STORE CLASSIFIED HARDWARE	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. PERFORM SERVICES ONLY	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. HAVE ACCESS TO U.S. CLASSIFIED INFORMATION OUTSIDE THE U.S. PUERTO RICO, U.S. POSSESSIONS AND TRUST TERRITORIES	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g. BE AUTHORIZED TO USE THE SERVICES OF DEFENSE TECHNICAL INFORMATION CENTER (DTIC) OR OTHER SECONDARY DISTRIBUTION CENTER	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h. REQUIRE A COMSEC ACCOUNT	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i. HAVE TEMPEST REQUIREMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>
j. HAVE OPERATIONS SECURITY (OPSEC) REQUIREMENTS	<input type="checkbox"/>	<input checked="" type="checkbox"/>
k. BE AUTHORIZED TO USE THE DEFENSE COUNSEL SERVICE	<input type="checkbox"/>	<input checked="" type="checkbox"/>
l. OTHER (Specify)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ADDENDUM TO DD FORM 254 (Block 10j)
FOR OFFICIAL USE ONLY (FOUO)
(Reference DoD Regulation 5400.7/Air Force Supplement, 22 July 1999.)

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1. **GENERAL:** FOUO is information that has not been given a security classification pursuant to the criteria of an Executive Order, but which may be withheld from the public because disclosure would cause a foreseeable harm to an interest protected by one or more of the Freedom of Information Act (FOIA) exemptions 2 through 9. Additional information on FOUO may be obtained by contacting the User Agency. FOUO is assigned to information at the time it is created in a DoD Agency or derivatively as instructed in a Security Classification Guide.
2. **MARKING:**
 - a. FOUO information received (released by a DoD component) should contain the following marking, when received: **THIS DOCUMENT CONTAINS INFORMATION EXEMPT FROM MANDATORY DISCLOSURE UNDER FOIA. EXEMPTION(S) _____ APPLIES/APPLY.**
 - b. Mark an unclassified document containing FOUO information "FOR OFFICIAL USE ONLY" at the bottom of each page containing FOUO information and on the bottom of the front page or front cover (if any) and on the back of the last page and on the back cover (if any). Each paragraph containing FOUO information shall be marked as such.
 - c. Within a classified document, an individual page that contains both FOUO and classified information shall be marked at the top and bottom with the highest security classification of information appearing on the page. Individual paragraphs shall be marked at the appropriate classification level, as well as unclassified or FOUO, as appropriate. An individual page that contains FOUO information but no classified information shall be marked "FOR OFFICIAL USE ONLY" at the top and bottom of the page, as well as each paragraph that contains FOUO information. NOTE: For "production efficiency" the entire document may be marked top and bottom with the highest level of classification contained within it, as long as every paragraph is marked to reflect the specific classification of the information it contains.
 - d. Mark other records, such as computer print outs, photographs, films, tapes, or slides "FOR OFFICIAL USE ONLY" so that the receiver or viewer knows the record contains FOUO information.
 - e. Mark each part of a message that contains FOUO information. Unclassified messages containing FOUO information must show the abbreviation "FOUO" before the text begins.
3. **DISSEMINATION:** FOUO may be disseminated between officials of DoD Components, DoD contractors, consultants and grantees to conduct official business for DoD. Recipients shall be made aware of the status of such information and transmission shall be by means that preclude unauthorized public disclosure.
4. **TRANSMISSION:** FOUO information shall be transmitted in a manner that prevents disclosure of the contents. When not commingled with classified information, it may be sent via first-class mail or parcel post. Bulky shipments, i.e. testing materials, that otherwise qualify under postal regulations, may be sent by fourth-class mail. FOUO information may also be sent over facsimile equipment; however, when deciding whether to use this means, balance the sensitivity of the records against the risk of disclosure. Consider the location of sending and receiving machines and ensure authorized personnel are available to receive the FOUO information as soon as it is transmitted. Transmittal documents shall call attention to the presence of FOUO attachments. FOUO information may also be sent via e-mail, if it is sent via a system that will prevent unintentional or unauthorized disclosure.
5. **STORAGE:** To safeguard FOR OFFICIAL USE ONLY records during normal duty hours, place them in an out-of-sight location if your work area is accessible to persons who do not have a valid need for the information. After normal duty hours, store FOUO records to prevent unauthorized access. File them with other unclassified records in unlocked files or desks when normal internal building security is provided. When there is no internal building security, locked buildings or rooms normally provide adequate after-hours protection. If such protection is not considered adequate, FOUO material shall be stored in locked containers such as file cabinets, desks, or bookcases. *Expenditure of funds for security containers or closed areas solely for the protection of FOUO data is prohibited.*
6. **DESTRUCTION:** When no longer needed, FOUO information shall be disposed of by any method that will preclude its disclosure to unauthorized individuals.

ADDENDUM TO DD FORM 254 (Block 11c)
SPECIAL CONSIDERATIONS
(AFSSM 7011 EXTRACT)

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3.5. Special Items. People may innocently introduce other radio devices, such as pagers, hand-held portable transceiver radios, cellular telephones, cordless telephones, and cordless microphones into the area processing classified national security information with disastrous results. Also, alarm systems may use radio transmitters to alert remotely located security or fire-fighting teams.

3.5.1. Hand-Held Radios. Hand-held radio transceivers used with intrabase radios (sometimes abbreviated IBR) and land mobile radios (sometimes abbreviated LMR) deserve special consideration because of their unique operational applications. A person may carry these devices into an area where classified national security information is processed. If the person carrying such a device works in the facility, either turn off the device and use the telephone or separate it 2 meters from classified processors: no transmissions are allowed. If the person carrying the device is a short-term visitor, it is not necessary to turn off the radio because the visitor usually moves about in the facility. Infrequent transmissions are allowed, but only for short durations.

3.5.2. Beepers and Pagers. Beepers and pagers deserve special consideration because of their unique operational applications. A person may carry these devices into an area where classified national security information is processed. If the person carrying such a device works in the facility, either turn off the device and use the telephone or keep the device 2 meters from classified processors. If the person carrying the device is a short-term visitor, it is not necessary to turn off the device because the visitor usually moves about in the facility. If the device has a transmit capability, follow the instructions for hand-held radios.

3.5.3. Alarm Systems. The mode of operation of alarm systems radio frequency transmitters will determine their treatment. Any such transmitter with a continuous transmit mode or a high duty cycle (transmits most of the time) must meet the same separation requirements as all other fixed transmitters. If they do not meet these requirements, exclude them from operating in the classified national security information processing area. Low duty cycle (transmits short bursts infrequently) systems are not considered hazards and require no special treatment.

3.5.4. Cellular Telephones. When a cellular telephone is used as an operational necessity separate it 5 meters from RED equipment. When the cellular telephone is a personal asset, its use is prohibited. Disable the unit from receiving calls or separate it 10 meters from RED processors.

3.5.5. Cordless Telephones. When a radio frequency cordless telephone is used as an operational necessity, separate it 5 meters from RED equipment. When the cordless telephone is a personal asset, its use is prohibited. Disable the personal cordless telephone from receiving calls or separate it 10 meters from RED processors. There are no separation requirements for infrared cordless telephones.

3.5.6. Cordless Microphones.

3.5.6.1. Radio Frequency Cordless Microphones. When a radio frequency cordless microphone, encrypted or unencrypted, is used for briefing either classified national security information or unclassified information, separate it 10 meters from RED equipment. Using unencrypted radio frequency cordless microphones for classified briefings is prohibited.

3.5.6.2. Infrared Cordless Microphones. Using an infrared cordless microphone for briefing classified national security information requires a closed room: keep the doors closed and cover the windows with drapes.

3.5.7. Cordless Keyboards. When a radio frequency cordless keyboard is used, separate it 10 meters from RED equipment. Radio frequency cordless keyboards cannot be used to process classified national security information unless encrypted.

3.5.8. Wireless Local Area Networks. When a radio frequency wireless local area network is used, separate the transmitter and receiver units 10 meters from RED equipment.

The complete document can be obtained from the Air Force Information Protection Home Page (<http://www.afca.scott.af.mil/gc/gci>).

ADDENDUM TO DD FORM 254 (Block 10j)
FOR OFFICIAL USE ONLY (FOUO)
(Reference DoD Regulation 5400.7/Air Force Supplement, 22 July 1999.)

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Page 3 of 6

1. **GENERAL:** FOUO is information that has not been given a security classification pursuant to the criteria of an Executive Order, but which may be withheld from the public because disclosure would cause a foreseeable harm to an interest protected by one or more of the Freedom of Information Act (FOIA) exemptions 2 through 9. Additional information on FOUO may be obtained by contacting the User Agency. FOUO is assigned to information at the time it is created in a DoD Agency or derivatively as instructed in a Security Classification Guide.

2. **MARKING:**

a. FOUO information received (released by a DoD component) should contain the following marking, when received: **THIS DOCUMENT CONTAINS INFORMATION EXEMPT FROM MANDATORY DISCLOSURE UNDER FOIA. EXEMPTION(S) _____ APPLIES/APPLY.**

b. Mark an unclassified document containing FOUO information "FOR OFFICIAL USE ONLY" at the bottom of each page containing FOUO information and on the bottom of the front page or front cover (if any) and on the back of the last page and on the back cover (if any). Each paragraph containing FOUO information shall be marked as such.

c. Within a classified document, an individual page that contains both FOUO and classified information shall be marked at the top and bottom with the highest security classification of information appearing on the page. Individual paragraphs shall be marked at the appropriate classification level, as well as unclassified or FOUO, as appropriate. An individual page that contains FOUO information but no classified information shall be marked "FOR OFFICIAL USE ONLY" at the top and bottom of the page, as well as each paragraph that contains FOUO information. NOTE: For "production efficiency" the entire document may be marked top and bottom with the highest level of classification contained within it, as long as every paragraph is marked to reflect the specific classification of the information it contains.

d. Mark other records, such as computer print outs, photographs, films, tapes, or slides "FOR OFFICIAL USE ONLY" so that the receiver or viewer knows the record contains FOUO information.

e. Mark each part of a message that contains FOUO information. Unclassified messages containing FOUO information must show the abbreviation "FOUO" before the text begins.

3. **DISSEMINATION:** FOUO may be disseminated between officials of DoD Components, DoD contractors, consultants and grantees to conduct official business for DoD. Recipients shall be made aware of the status of such information and transmission shall be by means that preclude unauthorized public disclosure.

4. **TRANSMISSION:** FOUO information shall be transmitted in a manner that prevents disclosure of the contents. When not commingled with classified information, it may be sent via first-class mail or parcel post. Bulky shipments, i.e. testing materials, that otherwise qualify under postal regulations, may be sent by fourth-class mail. FOUO information may also be sent over facsimile equipment; however, when deciding whether to use this means, balance the sensitivity of the records against the risk of disclosure. Consider the location of sending and receiving machines and ensure authorized personnel are available to receive the FOUO information as soon as it is transmitted. Transmittal documents shall call attention to the presence of FOUO attachments. FOUO information may also be sent via e-mail, if it is sent via a system that will prevent unintentional or unauthorized disclosure.

5. **STORAGE:** To safeguard FOR OFFICIAL USE ONLY records during normal duty hours, place them in an out-of-sight location if your work area is accessible to persons who do not have a valid need for the information. After normal duty hours, store FOUO records to prevent unauthorized access. File them with other unclassified records in unlocked files or desks when normal internal building security is provided. When there is no internal building security, locked buildings or rooms normally provide adequate after-hours protection. If such protection is not considered adequate, FOUO material shall be stored in locked containers such as file cabinets, desks, or bookcases. *Expenditure of funds for security containers or closed areas solely for the protection of FOUO data is prohibited.*

6. **DESTRUCTION:** When no longer needed, FOUO information shall be disposed of by any method that will preclude its disclosure to unauthorized individuals.

ADDENDUM TO DD FORM 254 (Block 11i)
EMISSION SECURITY (EMSEC) REQUIREMENTS
(FORMERLY TEMPEST REQUIREMENTS)

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Page 1 of 2 Pages

EMISSIONS SECURITY ASSESSMENT REQUEST (ESAR)

FOR ALL CLASSIFIED SYSTEMS

1. The contractor shall ensure that compromising emanations (EMSEC) conditions related to this contract are minimized.
2. The contractor shall provide countermeasure assessment data to the Contracting Officer (CO), in the form of an ESAR. The ESAR shall provide only specific responses to the data required in paragraph 3 below. The contractor's standard security plan shall NOT be used as a "stand-alone" ESAR response. The contractor shall NOT submit a detailed facility analysis/assessment. The ESAR information will be used to complete an EMSEC Countermeasures Assessment Review of the contractor's facility to be performed by the government EMSEC authority using current Air Force EMSEC directives. EMSEC is applied on a case-by-case basis and further information may be required to complete the review. The contractor shall provide this information to the CO when requested. After the evaluation of the ESAR by the government EMSEC authority, additional EMSEC requirements may be necessary. When changes to the information required in paragraph 3 below occurs (including, but not limited to, relocation, additions, or deletions of equipment from the original approved room), the contractors shall notify the CO of these changes. Upon request, the contractor shall submit to the CO a new ESAR, identifying the new configuration at least 30 days before the change occurs. The contractor shall NOT commence processing with the new configuration until receiving, as a minimum, interim approval from the CO.
3. *ESAR contents shall include, as a minimum, the following information:
 - a. The specific classification and special categories of material to be processed/handled by electronic means. Include percentage of each classification level used including unclassified (i.e., 5% Top Secret, 10% Secret/SAR, 25% Secret, 60% Unclassified).
 - b. The specific location (complete address, building/room number, or office) where classified processing will be performed. Include identification of any other contractor/company located within 200 meters of the facility.
 - c. Attach a copy of the Defense Investigative Service (DIS) Form 147 to validate physical security and approved storage level of the facility.
 - d. Provide the name, title, and telephone number (commercial and/or DSN) of a point of contact at the facility where processing will occur.
4. The prime contractor shall ensure that all subcontractors and/or vendors comply with EMSEC requirements when performing classified processing related to this contract. The subcontractor will provide the above documentation through their prime to the CO to complete the ESAR.

*NOTE: A copy of your Automated Information System Security Plan(s) (AISSP) will suffice.

ADDENDUM TO DD FORM 254 (Block 11i)
EMISSION SECURITY (EMSEC) REQUIREMENTS
(FORMERLY TEMPEST REQUIREMENTS)

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EMISSIONS SECURITY ASSESSMENT REQUEST (ESAR)

FOR TOP SECRET SYSTEMS

1. In addition to the information required for all classified systems, the following will be required for Top Secret processing:

a. Identify the radius (in meters) of the physical control space available around the system, equipment, or facility. Describe the barriers, doors, fences, walls, etc that define the area. Describe the control exercised over the area during duty and nonduty hours. Describe other factors, which contribute to control (i.e., visitor procedures, escort requirements, searches of personnel and/or vehicles, etc).

b. Identify the type and location (relative to the classified system) of any unfiltered/telephone or communication lines, shielded or unshielded twisted pair cables or fiber, underground or unfiltered power lines, conduit, heating and air conditioning ducts, water pipes, etc, that transgress the established controlled area.

c. Describe the building in which the classified system(s) is housed, i.e., concrete block outer walls, 2" X 4" and single ply gypsum board inner walls, true floor to true ceiling walls, metallic (steel) or solid wood doors, windows (if there are windows, describe the type of coverings on them), etc.

d. Diagrams and/or drawings would be extremely helpful.

2. Additional information may be requested upon review of the documentation provided.

ADDENDUM TO DD FORM 254 (Block 11i)
EMISSION SECURITY (EMSEC) REQUIREMENTS
(FORMERLY TEMPEST REQUIREMENTS)

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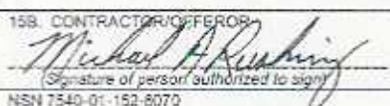
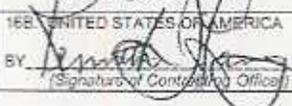
EMISSIONS SECURITY ASSESSMENT REQUEST (ESAR)

FOR ALL CLASSIFIED SYSTEMS

1. The contractor shall ensure that compromising emanations (EMSEC) conditions related to this contract are minimized.
2. The contractor shall provide countermeasure assessment data to the Contracting Officer (CO), in the form of an ESAR. The ESAR shall provide only specific responses to the data required in paragraph 3 below. The contractor's standard security plan shall NOT be used as a "stand-alone" ESAR response. The contractor shall NOT submit a detailed facility analysis/assessment. The ESAR information will be used to complete an EMSEC Countermeasures Assessment Review of the contractor's facility to be performed by the government EMSEC authority using current Air Force EMSEC directives. EMSEC is applied on a case-by-case basis and further information may be required to complete the review. The contractor shall provide this information to the CO when requested. After the evaluation of the ESAR by the government EMSEC authority, additional EMSEC requirements may be necessary. When changes to the information required in paragraph 3 below occurs (including, but not limited to, relocation, additions, or deletions of equipment from the original approved room), the contractors shall notify the CO of these changes. Upon request, the contractor shall submit to the CO a new ESAR, identifying the new configuration at least 30 days before the change occurs. The contractor shall NOT commence processing with the new configuration until receiving, as a minimum, interim approval from the CO.
3. *ESAR contents shall include, as a minimum, the following information:
 - a. The specific classification and special categories of material to be processed/handled by electronic means. Include percentage of each classification level used including unclassified (i.e., 5% Top Secret, 10% Secret/SAR, 25% Secret, 60% Unclassified).
 - b. The specific location (complete address, building/room number, or office) where classified processing will be performed. Include identification of any other contractor/company located within 200 meters of the facility.
 - c. Attach a copy of the Defense Investigative Service (DIS) Form 147 to validate physical security and approved storage level of the facility.
 - d. Provide the name, title, and telephone number (commercial and/or DSN) of a point of contact at the facility where processing will occur.
4. The prime contractor shall ensure that all subcontractors and/or vendors comply with EMSEC requirements when performing classified processing related to this contract. The subcontractor will provide the above documentation through their prime to the CO to complete the ESAR.

*NOTE: A copy of your Automated Information System Security Plan(s) (AISSP) will suffice.

CONTRACT FILES

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE J - FFP	PAGE OF PAGES 1 of 2
2. AMENDMENT/MODIFICATION NO. P00005		3. EFFECTIVE DATE 08 MAR 2002		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY ASC/FBLK CODE		FA8607		7. ADMINISTERED BY (If other than Item 6) CODE S1005A	
USAF/AFMC AERONAUTICAL SYSTEMS CENTER (ASC) 2725 C STREET WRIGHT-PATTERSON AFB OH 45433-7424 DEREK D. BONENCLARK (937) 904-5900 derek.bonenclark@wpafb.af.mil			DCM LOCKHEED MARTIN ORLANDO 5800 SAND LAKE RD MP 49 ORLANDO FL 32819-8907		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				9A. AMENDMENT OF SOLICITATION NO.	
LOCKHEED MARTIN CORPORATION MISSILES & FIRE CONTROL - ORLANDO 5600 SAND LAKE ROAD ORLANDO FL 32819-8907				9B. DATED (SEE ITEM 11)	
				10A. MODIFICATION OF CONTRACT/ORDER NO. F33657-01-D-2029	
CODE 04939 FACILITY CODE				10B. DATED (SEE ITEM 13) 20 AUG 2001	
				MAILING DATE MAR 11 2002	
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.					
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATION OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
(X) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: () THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).					
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-1 Changes -- Fixed Price					
D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return 1 copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)					
SUBJECT: Risk Reduction Flight Testing Increase					
CHANGE IN PRICE: None					
CHANGE IN OBLIGATION: None					
NOTE: P00004 and P00005 issued prior to P00003					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print) Michael A. Rushing, Sniper Contracts Manager			16A. NAME AND TITLE OF SIGNER (Type or print) KENNETH J. LANG Contracting Officer		
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)		15C. DATE SIGNED 07 March 02		16B. UNITED STATES OF AMERICA BY:  (Signature of Contracting Officer)	
NSN 7540-01-152-8070		30-105		16C. DATE SIGNED 08 MAR 2002	

Contract F33657-01-D-2029 is hereby modified by mutual agreement of both parties pursuant to FAR 52.243-1, Changes-Fixed Price as follows:

1. Section B - SUPPLIES OR SERVICES AND PRICES/COSTS is amended as follows:

(a) The value of CLIN 0111 is increased from \$713,826 to \$773,826, an increase of \$60,000.

ITEM	SUPPLIES OR SERVICES	Qty	Unit Price
		Purch Unit	Total Item Amount
0111	CLIN Change		
	<i>Noun:</i>	F-16 BLOCK 30 SCU 4 QT&E SUPPORT - FY02	
	<i>NSN:</i>	N - Not Applicable	
	<i>Contract type:</i>	J - FIRM FIXED PRICE	
	<i>Inspection:</i>	DESTINATION	
	<i>Acceptance:</i>	DESTINATION	
	<i>FOB:</i>	DESTINATION	
	<i>Descriptive Data:</i>		
	The Contractor shall support the F-16 Block 30 SCU 4 QT&E IAW the Sniper System Specification and the SOW in Section C of this contract. Total CLIN amount is \$773,826.		

(b) The following Section B clause is changed to read:

B028 CONTRACT TYPE: FIRM FIXED PRICE (Feb 1997)

The Not-To-Exceed total price for this contract is \$843,293,862.00

Applicable to following Line Items: All except CLIN 0009 (CLS)

2. All other terms and conditions remain unchanged as a result of this modification.

Contract F33657-01-D-2029 is hereby modified by mutual agreement of both parties pursuant to FAR 52.243-1, Changes-Fixed Price as follows:

1. Section B - SUPPLIES OR SERVICES AND PRICES/COSTS is amended as follows:

(a) The price of CLIN 0111 is increased from \$653,826 to \$713,826, an increase of \$60,000.

ITEM	SUPPLIES OR SERVICES	Qty	Unit Price
		Purch Unit	Total Item Amount

0111	CLIN Change		
	<i>Noun:</i>	F-16 BLOCK 30 SCU 4 QT&E SUPPORT - FY02	
	<i>NSN:</i>	N - Not Applicable	
	<i>Contract type:</i>	J - FIRM FIXED PRICE	
	<i>Inspection:</i>	DESTINATION	
	<i>Acceptance:</i>	DESTINATION	
	<i>FOB:</i>	DESTINATION	
	<i>Descriptive Data:</i>		
	The Contractor shall support the F-16 Block 30 SCU 4 QT&E IAW the Sniper System Specification and the SOW in Section C of this contract. Total CLIN amount is \$713,826. 0111 Section B:		

CLIN Description changed from
 THE CONTRACTOR SHALL SUPPORT THE F-16 BLOCK 30 SCU 4 QT&E IAW THE SNIPER SYSTEM SPECIFICATION AND THE SOW IN SECTION C OF THIS CONTRACT. TOTAL CLIN AMOUNT IS \$653,826. to
 THE CONTRACTOR SHALL SUPPORT THE F-16 BLOCK 30 SCU 4 QT&E IAW THE SNIPER SYSTEM SPECIFICATION AND THE SOW IN SECTION C OF THIS CONTRACT. TOTAL CLIN AMOUNT IS \$713,826.

(b) The following Section B clause is changed to read:

B028 CONTRACT TYPE: FIRM FIXED PRICE (Feb 1997)
 The Not-To-Exceed total price for this contract is \$843,233,862.00

Applicable to following Line Items: All except CLIN 0009 (CLS)
 <end of clause>

(c) The following Section C clause is changed to read:

C003 INCORPORATED DOCUMENTS/REQUIREMENTS (Apr 1998)
 SPC77420004 Sniper System Specification 13 June 2001
 ATP SOW Statement of Work 18 July 2001(Rev. by P00004,
 1 Feb 2002)

<end of clause>

2. Section J - Attachments is amended to modify the following:

(a) LIST OF ATTACHMENTS, page 42 of 42 - Attachment 1 date changed to 1 FEB 2002.

(b) ATTACHMENT 1, Statement of Work - Added the following paragraph to SOW 1.3.1, SNIPER Integration and Test:

"The contractor shall conduct a risk mitigation flight test program for the purposes of generating pod flight performance data. The pod performance data shall be compiled by the contractor and summary information reported to the government. The flight test program shall be conducted on a government leased aircraft with all associated costs to be managed by the contractor. The risk reduction flights shall collect at a minimum, FLIR (with XR processing) performance data, transfer alignment data, and if a buddy laser is available, Laser Spot Tracking (LST) performance. The contractor shall attempt to demonstrate the aforementioned capabilities at system specification performance levels."

The revised Statement of Work is dated 1 FEB 2002 and is attached hereto in its entirety.

3. All other terms and conditions remain unchanged as a result of this modification.

STATEMENT OF WORK (SOW)
FOR THE
USAF ADVANCED TARGETING POD (ATP)
PROGRAM

July 18, 2001
(Revised by P00004, 1 Feb 2002)

F33657-01-D-2029

July 18, 2001
(Revised by P00004, 1 Feb 2002)

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1.0 INTRODUCTION

1.0.1 Scope

This Statement of Work (SOW) defines the Lockheed Martin effort for the Advanced Targeting Pod (ATP) program to provide the Air Force, for the F-16 Block 50/52 CJ, Block 25/30/32, and the F-15E aircrafts, a fully integrated capability to deliver precision and GPS guided munitions in support of Destruction of Enemy Air Defense (DEAD) missions. Lockheed Martin (hereafter referred to as Contractor) shall provide all effort required for the management, fabrication, integration, test, and logistics support of its Non-Developmental Item (NDI) (Sniper XR) (herein after referred to as Sniper system). Details and information of the efforts that shall be performed are contained herein. These efforts include, as a minimum, systems engineering, program management, Interim Contractor Support, Associate Contractor Agreements, and sustainment support. The Contractor shall ensure that all delivered products meet the requirements as specified in this contract, including the Sniper System Specification (SS), this SOW, and Contract Data Requirements List (CDRL).

This SOW includes all work activities potentially exercisable by the Government under this Indefinite Delivery/Indefinite Quantity (IDIQ) contract. Sections J, Attachment 9, contains a Contract Line Item Number (CLIN)-SOW map which identifies the specific SOW paragraphs to be invoked as the result of Government award of contract CLINs.

1.0.2 Applicable Documents

The following documents of the exact issue shown at the time of initial contract award form a part of this SOW to the extent specified herein. Only documents referenced within the specified requirements are applicable, and only to the extent applied to the requirement. In the event of a conflict between documents referenced and the SOW, the SOW shall take precedence.

Government Documents

AFMFAR 5352.204-9001
(July 1997)

Assignment of Serial Numbers for
Configuration Control and Administration
Of Warranties

AFMFAR 5352.217-9008
(July 1997)

Assignment of National Stock Numbers

AFI-10-602
(20 June 1994)

Determining Logistics Support and Readiness
Requirements

Non-Government Documents

SPC77420004

Sniper System Specification (SS) (April 2001)

1.1 Prime Mission Equipment

The Contractor shall ensure that the ATP Program activity embodies processes and qualities that are compatible with existing manufacturing methods and manufacturing test procedures. The Contractor may use best practices for design and construction. Parts shall meet all performance, reliability, and interface requirements.

1.1.1 Advanced Targeting Pods

The Contractor shall manufacture, test, and deliver Sniper systems which conform to the SS at a monthly rate as required to support the IDIQ structure. This task includes production start-up labor, touch labor, production material, subcontract material, conformance verification, and production support. Tooling, fixtures or special test equipment required to meet IDIQ production rate requirements shall also be provided.

The Contractor shall assure that all software used in the delivered products has been developed and qualified according to documented internal Contractor standards consistent with current industry software development practices. The Contractor shall prepare and deliver a Software Requirements Specification in accordance with CDRL B001 (DI-IPSC-81433A/T) or Single Process Initiative (SPI) CPC96-0024, and Software Product Specification in accordance with CDRL B002 (DI-IPSC-81441A/T) or SPI CPC96-0024. Automated Computer Identification Numbers (ACPIN) shall be provided in accordance with CDRL B003 (DI-MISC-81454A).

The Contractor shall prepare and deliver Product Drawings and Associated Lists in accordance with CDRL B004 (DI-DRPR-81000A/T) and record and prepare Engineering Data Guidance Conference minutes in accordance with B011 (DI-ADMN-81250A).

1.1.2 Pylons

The Contractor shall manufacture, test, and deliver pylons at a monthly rate as required to support the IDIQ structure. The pylons shall be delivered during the base activation period in accordance with the contact Integrated Master Plan/Integrated Master Schedule (IMP/IMS). The pylons shall be certified to be equivalent to the current F-16/LANTIRN configuration and shall be interchangeable with existing fielded pylons.

1.1.3 Pod Refurbishment – FY 03

The Contractor shall refurbish the pods delivered to the USAF or ANG flight test sites in FY03 for purposes of conducting planned Qualification Test & Evaluation (QT&E) or Qualification Operational Test & Evaluation (QOT&E) as part of the comprehensive test program required to allow Required Available Assets (RAA) or the Initial Operations

Capability (IOC). Following refurbishment, these pods shall be delivered to the ANG or USAF as part of the production items called for under CLIN 0001.

1.2 System Engineering/Program Management

1.2.1 Integrated Product and Process Development and Risk Management

The Contractor shall provide for integrated Systems Engineering and Program Management through an ATP Program Integrated Product Team (IPT). The ATP Program IPT shall have the necessary resources and expertise to provide contracted products and services in accordance with this SOW and the SS. The Program IPT shall include Government and Contractor participation and ensure that system performance and operational readiness parameters are achieved. The Contractor shall execute an innovative plan to manage the delivery, integration and certification of the Sniper system. Through the Program IPT relationships, clear visibility into schedule, technical performance and risk shall be maintained. Management and execution shall be aided by an IMP and supported by the IMS. The IMS shall be submitted in accordance with CDRL A011 (DI-MISC-81183A/T).

The Contractor shall perform continual risk assessment in accordance with the Contractor's internally approved policies and procedures. The Contractor shall facilitate a Risk Management IPT providing for government participation. Closure of risk items shall be mutually agreed between Government and Contractor and shall include, as a minimum, the inclusion of the approved closure approach within the IMS and the establishment of criteria by which task completion shall be measured.

The Contractor shall identify and resolve all hazards within the subsystem and support equipment which are categorized as unacceptable or undesirable using the definitions of MIL-STD-882c, Appendix A, Figure 1, as guidance. The Contractor shall document the results of this analysis and identify hazardous materials introduced in the subsystem's or support equipment's life cycle in a safety assessment report. The Contractor shall certify the subsystem and support equipment complies with all safety, suitability, and effectiveness (OSS&E) standards/regulations.

1.2.1.1 System Engineering

The Contractor shall ensure that the Sniper system design integrity is maintained at the system level, and that the provisions of the SS are maintained during production and deployment of the Sniper equipment. This shall include providing the system, hardware, and software engineering disciplines and resources for design compliance and technical oversight to ensure the system performance and operational readiness parameters are met and maintained. The Contractor shall investigate and resolve potential parts obsolescence issues and shall provide sustaining engineering support to ensure contract delivery requirements for configuration items and engineering documentation are met and maintained.

The Contractor shall perform all tasks necessary to assure system integrity of the Sniper system. The Contractor shall assume Total System Integration Responsibility (TSIR). Under TSIR, the Contractor shall support Test Planning Working Group (TPWG) activities, review test plans and procedures, support government and associate Contractor integration activities, and manage future Sniper system product improvements and associated installation activities.

1.2.1.1.1 Reliability Growth Program

The Contractor shall establish and execute a reliability growth program to achieve the proposed reliability growth curve profile. A Reliability Growth Plan (RGP) will be developed which incorporates appropriate tracking and assessment techniques to ensure that support cost risk is properly addressed and reduced. All applicable hardware testing will be tracked to a predefined growth curve. Additional testing performed on vendor critical items may also be used to demonstrate that the reliability growth is on track. Fielded system data collection will be performed to ensure consistency between test data and fielded equipment reliability. The Contractor shall implement and maintain a Failure Reporting and Corrective Action System (FRACAS) to monitor growth, identify trends, and track the implementation of corrective design, manufacture, or retrofit activities.

1.2.1.2 Program Management

The Program Management IPT shall direct the Contractor's efforts through use of an IMP. The IMP shall incorporate the Contractor's internally approved management processes and procedures. Program Management activities shall include program coordination, data item approval, program finance support for cost control, risk management and mitigation. The Contractor's IMP shall identify all work to be accomplished, the organizations responsible for performing work, and the schedules for starting and completing work. The Program IPT shall implement the IMS which shall depict program milestones, activities, events, and associated critical paths. The IMS shall be the primary means of communicating the program progress to contractual delivery schedules.

Upon implementation of a Depot Partnership concept, the Contractor shall prepare and deliver a Management Plan in accordance with CDRL A023 (DI-MGMT-80004/T). The Management Plan shall address and provide means for the Government to enter into a contractual agreement for Depot Partnering.

The Contractor shall conduct In-Process Review (IPRs) for Flight and Maintenance Manuals at the Contractor's facility for Blocks 30 and 50 when data has reached the 30% and 70% percent completion points. IPRs shall also be conducted for the Technical Data Package (TDP) at the Contractor's facility when data has reached the 30%, 50%, and 80% percent completion points. Coordination of risk items with the Government shall be documented and discussed as part of the IPRs.

1.2.2 Configuration and Data Management

The Contractor shall establish and maintain a Configuration Management (CM) Program which defines the management system for configuration identification, audits, change control and status accounting for the ATP Program in accordance with Contractor's internal policies and procedures. The Contractor shall provide a single configuration management focal point within the Program Management IPT.

The Contractor shall identify and document the configuration identification of the Hardware Configuration Items (HWICs) and Computer Software Configuration Items (CSCIs). The Contractor shall utilize assigned Government nomenclature, serial numbers, national stock numbers (NSN) in accordance with AFMFAR 5352.204-9001 and AFMFAR 5352.217-9008. Nomenclature assignment shall be in accordance with the CDRL A005 (DI-CMAN-81254A).

The Contractor shall establish, implement, and maintain the methods and procedures for control of changes. Changes to contractual requirements (non-technical) shall be prepared and submitted in accordance with CDRL A001 (DI-ADMN-81401A). Designated baseline technical documents may only be changed as the result of the Government approval in accordance CDRL A002 (DI-CMAN-80639B/T), and A003 (DI-CMAN-80643B). The Contractor shall require subcontractors to provide internal configuration management to the same levels of control the Contractor uses to assure adequacy and accuracy of end item configurations and associated data required by this contract.

The Contractor shall perform a Functional Configuration Audit to verify the configuration items and system's performance against its configuration documentation.

The Contractor shall maintain a data management system to ensure that the data items are electronically submitted on schedule to meet program milestones and that the content complies with requirements of the contract. The data management system shall document tracking and monitoring of data submittals, coordination, changes, and approval status. The Contractor shall provide for a single focal point for data management within the Program Management IPT.

Preparation and data delivery shall be in accordance with the CDRL (DD Form 1423) and Data Item Descriptions (DIDs) (DD Form 1664). The data management system shall include preparation, maintenance and submission of a Data Accession List (DAL) in accordance with the CDRL A010 (DI-MGMT-81453). The Contractor shall require subcontractors to develop and control data according to the same levels of control the Contractor uses to assure adequacy and delivery of data required by this contract. All contractual data and other relevant documentation will be delivered and maintained on

a World Wide Web (WWW) site to ensure optimum communications and information exchange. The preferred data format shall be in Adobe Acrobat.

1.2.3 Product Improvement Management

Product Improvement Management shall be executed by the Program IPT and the sub-tier Systems Engineering and Integration Team (SEIT) to ensure effective and economical continuity within the Contractor's overall business base and within the industry in general. The Contractor shall monitor industry trends and recommend product improvements when these can be identified to improve performance, reliability, operational readiness, cost, schedule, or availability.

1.2.4 Conformance Verification

The Contractor shall invite the Government to witness any performance verification activities identified and defined as contract requirements in the SS. The Contractor shall furnish all necessary equipment, facilities, and manpower (avionics hardware, software emulation tools, technicians' etc.) required to conduct the verification tests and demonstrations. The Contractor shall conduct a set of tests and demonstrations to permit the Government to evaluate and accept Sniper performance. The Contractor will coordinate verification event schedules with the Government and shall provide the scheduled date and location of each verification event or group of events at least thirty (30) days prior to the start of the event. If the Contractor must reschedule an event, the Contractor shall provide notification at least ten (10) days prior to the original event date.

The Contractor shall utilize test/demonstration specifications and test procedures for validation in accordance with Contractor internal policies and procedures. The specifications will include analysis for determining tolerance allocations and failure criteria and will define how individual test results will be correlated with test results from other design validation activities to demonstrate compliance with specified performance requirements. The Contractor will prepare test/demonstration reports in accordance with the Contractor's internal policies and procedures. All conformance verification documentation will be available for Government review at Contractor's facility.

1.2.5 Associate Contractor Agreement

The Contractor shall establish an Associate Contractor Agreement (ACA) with the F-15 aircraft prime contractor and actively support the establishment and control of interface agreements. The Contractor shall submit all source data to the aircraft contractors for all technical manual updates required to integrate Sniper into the weapon system. The Contractor shall provide inputs to the specific aircraft Interface Control Documents (ICDs) as required in accordance with CDRL A004 (DI-CMAN-81248/T). For the F-16, these same responsibilities will be accomplished between the Contractor and the aircraft prime contractor, Lockheed Martin Aeronautics Company in accordance with the

Contractor's corporate policies. Support to the aircraft prime contractor shall be provided throughout the performance period of sections 1.3, 1.4, 1.5 and 1.6 of this SOW.

1.2.6 Pod Software Development

The Contractor shall develop and deliver pod software conforming to the System Specification and the applicable ICD's referenced therein. The pod software shall allow the advanced functions defined by the System Specification to be utilized by the tactical pilot for each of the aircraft referenced in sections 1.3, 1.4, 1.5, and 1.6 of this SOW. In the event the referenced ICD's do not support the Sniper XR advanced functions, the contractor shall define and implement pod software changes allowing these functions to be executable by the pilot without the need for aircraft software changes. All ICD's and associated pod software implementations for the advanced functions shall be approved by the USAF and associate contractors in accordance with section 1.2.5 of this SOW.

1.3 F-16, BLOCK 30 SERIES AIRCRAFT INTEGRATION AND TEST

The Contractor shall co-chair a Block 30 Integration Test Team with USAF, ANG, and AC participation. The Integration IPT shall facilitate coordination to ensure that the system integration allows full performance as identified within this SOW, the SPIs and associated F-16 Block 30 SCU 4.1+ and SCU 5 ICDs. As a facilitator of the Integration IPT, the Contractor shall conduct Test Planning Working Group (TPWG) meetings and support aircraft System Integration Laboratory/Avionics System Integration Facility (SIL/ASIF) integration, simulator, ground and flight testing at USAF flight test sites as coordinated by the Integration IPT. Contractor support to Block 30 aircraft integration and testing will be provided in accordance with Section J, Attachment 6 (IMP) and the Program IMS.

1.3.1 SNIPER Integration and Test

The Contractor shall provide the systems, hardware, software and test engineering effort required to verify interface of the Sniper system to the F-16 Block 30/32 C/D aircraft and ensure Sniper compliance with the Block 30 SCU 4.1+ ICD and the SS. The Activity includes review of baseline Pilot Vehicle Interface (PVI) mechanization, PVI design update, Aircraft Integration Freeze Activities and installed performance analysis review, and Qualification test planning and conduct. The Contractor shall maintain the Sniper internal software to include the interface-to-aircraft software to ensure it meets its assigned functional and performance requirements. The Contractor shall resolve Sniper problems uncovered by these reviews and test. Acceptance Test Procedures shall be submitted in accordance with CDRL A009 (DI-NDTI-80566).

The Contractor will provide two production representative capital pod assets, associated spares and repairs, and Sniper capital engineering test equipment necessary to support the Block 50 SIL and Block 30 ASIF. The pods shall be fully functional including the XR FLIR processing capability with the exception of operational

Laser Marker and Day TV. The Laser Marker and Day TV functions shall be simulated allowing for pilot vehicle interface and aircraft OFP test support. These assets will be provided as needed to support the SIL/ASIF activity in accordance with the IMP/IMS. This equipment shall be provided through IOC on each of the Block 30 and Block 50 aircraft configurations. Ownership of the test assets will be retained by the Contractor.

The Contractor shall provide maintenance and repair of the Contractor owned pods throughout the SIL/ASIF activities. This support shall include, as a minimum, the following:

- a. Repair of failed equipment.
- b. Additional on-site technical support on an as needed basis.
- c. Assistance in analysis of failures and identification of corrective actions.
- d. Spare Parts

The contractor shall conduct a risk mitigation flight test program for the purposes of generating pod flight performance data. The pod performance data shall be compiled by the contractor and summary information reported to the government. The flight test program shall be conducted on a government leased aircraft with all associated costs to be managed by the contractor. The risk reduction flights shall collect at a minimum, FLIR (with XR processing) performance data, transfer alignment data, and if a buddy laser is available, Laser Spot Tracking (LST) performance. The contractor shall attempt to demonstrate the aforementioned capabilities at system specification performance levels.

1.3.2 Avionics Software Integration Facility Test Support

The Contractor shall provide training and support Software Compatibility Qualification Testing to be conducted by the Government at Hill AFB prior to SEEK Eagle or any other qualification tests. The Contractor shall provide adequate technical support personnel to support the duration of the ASIF testing for successful conclusion of the testing within the planned test interval. The Contractor shall provide all pre-test planning and preparations to seamless integration activity. The Contractor shall be responsible for shipping of the capital pod and engineering test equipment to and from the test facility.

1.3.3 SEEK EAGLE Test Support

The Contractor shall provide technical labor required to plan, prepare data and support SEEK EAGLE Flight Qualification Testing to be conducted by the Government prior to the Qualification Flight Tests. Aircraft compatibility tests shall be accomplished on the aircraft, in addition to ground EMI/EMC avionics compatibility checks. The Contractor shall provide the necessary test support and problem resolution to obtain flight clearance. The Contractor shall be responsible for shipping of the pod and support equipment to and from the test facility.

1.3.4 Qualification Test & Evaluation Support

The Contractor shall provide Field Service Engineering (FSE) training and support for flight tests in support of the Sniper certification at the Tucson Test Center in Arizona. The Contractor's support shall include QT&E Flight Readiness Review, bench testing, data analysis, problem identification and resolution, engineering support for any SNIPER equipment integration problems and FSE support at Edwards AFB, CA. . The Contractor shall provide inputs and support to the QT&E test plan, which shall be prepared for all QT&E activities. At the completion of Sniper flight test, the Contractor shall support the preparation of reports documenting the test results. The Contractor shall repair and maintain test assets during Sniper flight tests. The Contractor shall be responsible for shipping of the pod and engineering test equipment to and from the test facility.

1.3.5 Qualification Operational Test & Evaluation Support

The Contractor shall provide Field Service Engineering (FSE) training and support for flight tests in support of the Sniper certification at the Tuscon AATC. The Contractor's support shall include QOT&E Flight Readiness Review, bench testing, data analysis, problem identification and resolution, engineering support for any Sniper equipment integration problems and FSE support at the first Major Operating Base (MOB). The Contractor shall provide inputs and support to the QOT&E test plan, which shall be prepared for all QOT&E activities. At the completion of Sniper flight tests, the Contractor shall support the preparation of reports documenting the test results. The Contractor shall repair and maintain test assets during flight tests. The Contractor shall be responsible for shipping of the pod and engineering test equipment to and from the test facilities.

1.4 F-16, Block 40/50 Series Aircraft Integration and Test

The Contractor shall co-chair a Block 40/50 Integration Test Team with USAF, ANG, and AC participation. The Integration IPT shall facilitate coordination to ensure that the system integration allows full performance as identified within this SOW, the SPIs and associated F-16 Block 40/50 M3+ and M4 ICDs. As a facilitator of the Integration IPT, the Contractor shall support the conduct of Test Planning Working Group (TPWG) meetings and support aircraft SIL/ASIF integration, simulator, ground and flight testing at USAF flight test sites as coordinated by the Integration IPT. Contractor support to Block 40/50 aircraft integration and testing will be provided in accordance with Section J, Attachment 6 (IMP) and the Program IMS.

1.4.1 SNIPER Integration and Test

The Contractor shall provide the systems, hardware, software and test engineering effort required to verify Sniper interface to the F-16 Block 40/50/52 C/D aircraft and ensure Sniper compliance with the Block 50 M3+ and M4 ICDs and the SS. The Activity includes review of baseline Pilot Vehicle Interface (PVI) mechanization, PVI design update, Aircraft Integration Freeze Activities and installed performance analysis review, and support of Qualification test planning and conduct. The Contractor shall maintain the Sniper internal software to include the interface-to-aircraft software to ensure it meets its assigned functional and performance requirements. The Contractor shall resolve Sniper problems uncovered by these reviews and tests. Acceptance Test Procedures shall be submitted in accordance with CDRL A009 (DI-NDTI-80566). In conjunction with the M3+ and M4 activity referenced above, the contractor shall conduct Maverick missile integration activities on the Block 40 avionics configuration.

1.4.2 Software Integration Laboratory Test Support

The Contractor shall provide training and support Software Compatibility Qualification Testing to be conducted by Lockheed Martin Aeronautics at its Ft. Worth Facility. The Contractor shall provide adequate technical support personnel to support the duration

of the SIL testing for successful conclusion of the testing within the planned test interval. The Contractor shall provide all pre-test planning and preparations to seamless integration activity. The Contractor shall be responsible for shipping of the capital pod and engineering test equipment to and from the test facility. In conjunction with the M3+ SIL, the contractor shall support SIL activity with the Block 40 configuration avionics for the purposes of testing the Maverick missile integration capabilities of the Sniper XR system.

1.4.3 SEEK EAGLE Validation/Verification

The Contractor shall provide technical labor required to plan, prepare data and support SEEK EAGLE Flight Qualification Testing to be conducted by the Government at Eglin AFB prior to any other Qualification Flight Tests. Aircraft and EMI/EMC compatibility ground tests shall be accomplished. The Contractor shall provide the necessary test support and problem resolution to obtain flight clearance. The Contractor shall be responsible for shipping of the pod and support equipment to and from the test facility.

1.4.4 Qualification Test & Evaluation Support

The Contractor shall provide Field Service Engineering (FSE) training and support for flight tests in support of the Sniper certification at the USAF AFFTC. The Contractor's support shall include Qualification Test & Evaluations (QT&E) Flight Readiness Review, bench testing, data analysis, problem identification and resolution, engineering support for any Sniper equipment integration problems and FSE support in Edwards AFB, CA. The Contractor shall provide inputs and support to the QT&E test plan, which will be prepared for all QT&E activities. At the completion of Sniper flight test, the Contractor shall support reports documenting the test results. The Contractor shall repair and maintain test assets during Sniper flight tests. The Contractor shall provide Sniper pod training for the AFFTC F-16 pilots. The Contractor shall be responsible for shipping of the pod and engineering test equipment to and from the test facility. In conjunction with the M3+ flight test activity, the contractor shall support QT&E flight test with the Block 40 configuration avionics for the purposes of testing the Maverick missile handoff performance of the Sniper XR system.

1.4.5 Qualification Operational Test & Evaluation Support

The Contractor shall provide Field Service Engineering (FSE) training and support for flight tests in support of the Sniper certification at the AFOTEC located at Nellis AFB, NV. The Contractor's support shall include Qualification Operational Test & Evaluation (QOT&E) Flight Readiness Review, bench testing, data analysis, problem identification and resolution, engineering support for any Sniper equipment integration problems and FSE support at the first MOB. The Contractor shall provide inputs and support to the QOT&E test plan, which shall be prepared for all QOT&E activities. At the completion of Sniper flight tests, the Contractor shall support the generation of reports documenting the test results. The Contractor shall repair and maintain test assets during flight tests.

The Contractor shall be responsible for shipping of the pod and engineering test equipment to and from the test facilities.

1.5 F-15E Aircraft Requirements, Integration and Test Planning

The Contractor shall work with the Government and through its ACA agreement with the Boeing Company to plan the detailed interface definitions and integration requirements and integration plan for integration of the Sniper on the F-15 E aircraft. The plan shall address mechanical, electrical, software and PVI interfaces, AIC integration, and both QT&E and QOT&E fight test verification. The plan will define test assets adequate to perform the integration and test activity.

1.6 F-15E Aircraft Integration and Test

The Contractor shall provide the systems, hardware, software and test engineering effort required to verify interface of the to the F-15E aircraft (Suite 5 OFP) and ensure Sniper compliance with the F-15E ICD's and the SS. The Activity includes review of baseline Pilot Vehicle Interface (PVI) mechanization, PVI design update, support of Aircraft Integration Freeze Activities and installed performance analysis review, and Qualification test planning and conduct. The Contractor shall maintain the Sniper internal software to include the interface-to-aircraft software to ensure it meets its assigned functional and performance requirements. The Contractor shall resolve Sniper problems uncovered by these reviews and test. Contractor support to the F-15E aircraft integration and testing will be provided in accordance with Section J, Attachment 6 (IMP).

1.6.1 Sniper Integration and Test

The Contractor will provide one production representative asset, to be used in conjunction with a Government Furnished Equipment (GFE) Sniper XR pod, associated spares and repairs, and Sniper capital engineering test equipment necessary to support the F-15E integration efforts at the Boeing Company's facility. These assets will be provided as needed to support the Avionics Integration Center (AIC) activity in accordance with the IMP/IMS. This equipment shall be provided through IOC F-15E aircraft configurations. Ownership of the Customer Furnished Equipment (CFE) test assets will be retained by the Contractor.

The Contractor shall provide maintenance and repair of the Contractor owned pods throughout the AIC activities. This support shall include, as a minimum, the following:

- a. Repair of failed equipment.
- b. Additional on-site technical support on an as needed basis.
- c. Assistance in analysis of failures and identification of corrective actions.
- d. Spare Parts

Acceptance Test Procedures shall be submitted in accordance with CDRL A009 (DI-NDTI-80566).

1.6.2 Software Integration Laboratory Test Support

The Contractor shall support Software Compatibility Qualification Testing to be conducted by the Boeing Company at its St. Louis Avionics Integration Center (AIC) Facility prior to Aircraft Certification or any other qualification tests. The Contractor shall provide adequate technical support personnel to support the duration of AIC testing for successful conclusion of the testing within the planned test interval. The Contractor shall provide all pre-test planning and preparations to seamless integration activity. The Contractor shall be responsible for shipping of the pod and peculiar test equipment to and from the test facility.

1.6.3 Aircraft Certification Test Support

The Contractor shall provide technical labor required to support planning, prepare data and support Aircraft Certification Flight Qualification Testing to be conducted by the Government at Eglin AFB prior to any other Qualification Flight Tests. Software analysis, and physical and compatibility tests shall be accomplished. The Contractor shall provide the necessary test support and problem resolution to obtain flight clearance. The Contractor shall be responsible for shipping of the pod and support equipment to and from the test facility.

1.6.4 Qualification Test & Evaluation Management/Support

The Contractor shall provide Field Service Engineering (FSE) support for flight tests in support of the SNIPER certification at the USAF AFFTC. The Contractor's support shall include Qualification Test & Evaluations (QT&E) Flight Readiness Review, bench testing, data analysis, problem identification and resolution, engineering support for any Sniper equipment integration problems and FSE support in Edwards AFB, CA. The Contractor shall provide inputs and support to the QT&E test plan, which shall be prepared for all QT&E activities. At the completion of Sniper flight test, the Contractor shall support the generation of reports documenting the test results. The Contractor shall repair and maintain test assets during Sniper flight tests. The Contractor shall be responsible for shipping of the pod and engineering test equipment to and from the test facility.

1.6.5 Qualification Operational Test & Evaluation Support

The Contractor shall provide Field Service Engineering (FSE) support for flight tests in support of the Sniper certification at the AFOTEC located at Nellis AFB, NV. The Contractor's support shall include Qualification Operational Test & Evaluation (QOT&E) Flight Readiness Review, bench testing, data analysis, problem identification and resolution, engineering support for any Sniper equipment integration problems and FSE support at the first MOB. The Contractor shall provide inputs and support to the

QOT&E test plan, which shall be prepared for all QOT&E activities. At the completion of Sniper flight tests, the Contractor shall support the generation of reports documenting the test results. The Contractor shall repair and maintain test assets during flight tests. The Contractor shall be responsible for shipping of the pod and engineering test equipment to and from the test facilities.

1.7 Support Equipment

The Contractor shall define Sniper unique support equipment for operating site-level storage, handling and transport of Sniper pods and Line Replaceable Units (LRUs); removal and installation of pods from the aircraft; and removal and replacement of LRUs from pods. Sufficient equipment shall be provided to support the operational availability requirements. The Contractor shall identify and recommend the details of this equipment through submission CDRL A008, Logistics Management Information Summaries (DI-ALSS-81530/T). Organization level support equipment shall be documented in accordance with CDRL A012 (DI-DRPR-81000A/T). The Contractor shall record and prepare minutes of the Engineering Data Guidance Conference in accordance with CDRL A022 (DI-ADMIN-81250A). A portable maintenance aid (PMA) shall be provided to interface with the pods when removed from the aircraft. The PMA shall display the pod's BIT diagnostics for maintenance off aircraft.

1.7.1 STORAGE STANDS

The O-level support equipment required for the Sniper pod will include storage stands and existing F-16 support equipment. The Contractor shall provide two (2) storage stands to be utilized on the flight line or other unprotected storage facility to allow easy transfer of pods and to facilitate loading/off-loading of the pod. The stand shall provide access for the replacement of all LRUs and for appropriate fault analysis.

1.7.2 PORTABLE MAINTENANCE AIDS

The O-level support equipment useful for supporting the Sniper pod will include Portable Maintenance Aids (PMA's). The Contractor shall provide one (1) PMA to be utilized on the flight line or other unprotected storage facility to enhance organization level maintenance activities. The Contractor shall provide two (2) PMA for each war-time contingency spares pack provided.

1.8 SHIPPING CONTAINERS

The Contractor shall deliver reusable shipping containers which shall be documented in accordance with CDRL A012 (DI-DRPR-81000A/T). Shipping container test results shall be document in accordance with CDRL A013 (DI-NDTI-80809B/T). Specific container requirements shall be screened against the Container Design Retrieval System (CDRS) in accordance with CDRL A014 (DI-PACK-80683A) prior to container design. The Contractor shall pack and ship Sniper and the shipping containers in compliance with AFMC Form 158. The Contractor shall provide associated packaging

documentation in accordance with the CDRL A015 (DI-PACK-80120B/T) and CDRL A016 (DI-PACK-80121B/T).

1.8.1 Pod Containers

The Contractor shall provide reusable shipping containers for the SNIPER pods at a monthly rate as required to support the IDIQ structure. The containers shall be delivered with the Sniper to aid in the maintenance, storage and shipment of the pod to and from each site.

1.8.2 LRU Containers

The Contractor shall procure and deliver reusable shipping containers for the Spares provisioning for each of the activated sites at a monthly rate as required to support the IDIQ structure. The containers shall be delivered with the spares applicable to 2.1.5 and 2.2.5 of this SOW, for each site.

1.9 Technical Data

Where exercised by the Government, the Contractor shall provide technical data under the "A" and "B" Series CDRLs.

1.10 Interim Contractor Support (ICS)

The Contractor shall plan, schedule and coordinate the introduction of Sniper assets into the operational environment in close cooperation with the Government. An Interim Contractor Support Plan shall be developed to implement depot support for early production units. The ICS plan will utilize the production facilities and minimize investment commitment. ICS planning tasks includes spares support, support for deployment and contingencies, technical data, support equipment, warranty implementation, and depot repair.

1.10.1 Total System Support Responsibility (TSSR)

The Contractor shall maintain Total System Support Responsibility (TSSR) for the Sniper following the guidelines of AFI-10-602 for the ten (10) elements of Air Force Logistics Management. The Contractor shall develop and track support system metrics such as repair turn time and parts availability. The metrics shall be used to assess the sustainment of the Sniper, ground support systems, operations and maintenance, and supply chain. Corrective actions will be developed, as required, including updates to systems engineering data, technical data, and the implemented support concept. In addition, with specific regard to parts obsolescence each subcontractor will be required to provide advance notification and full disclosure of any event, financial or other, and any occurrence, technological or other, that will impact on the continuous flow of the materials purchased under the subcontract. TSSR shall include the project

management, item management, production control, two-way repair transportation, inventory of spares and repair material, sustaining hardware and software engineering, financial management, contract management, logistics management, configuration control, provisioning, and quality control functions during the ICS period of performance.

1.10.2 Maintenance

The contractor shall provide all resources required to perform depot repair of Sniper hardware during the ICS period of performance. The contractor shall maintain sufficient LRU/SRU spares, repair material, and shipping containers to implement ICS.

1.11 CID Incorporation

The Contractor shall perform an analysis showing the compliance of the CID performance to the System Specification. The analysis shall be documented and delivered to the USAF for approval. The report shall include pod level test criteria along with recommended acceptance test procedures necessary for verifying the field retrofit capability of the pod. Pod level performance of these parameters shall be acceptance tested on each delivered pod per USAF approved acceptance test procedures.

2.0 Sustainment Support (O-Level)

The Contractor shall provide a single point of contact for supportability and Integrated Logistics Support (ILS) data and management. An ILS program shall be implemented and maintained identifying tasks, schedule and organizations involved in the performance of support program tasks. The Contractor shall provide support and present ILS status and issues at PMRs, ILSMTs, TIMs, design reviews, and program reviews.

The Contractor shall maintain TSSR for the Sniper. The Contractor shall develop and track support system metrics such as repair turn time and parts availability. The metrics shall be used to assess the sustainment of the Sniper, ground support systems, operations and maintenance, and supply chain. Corrective actions will be developed, as required, including updates to systems engineering data, technical data, and the implemented support concept.

2.1 United States Air Force (Active Duty)

The Contractor shall provide for site activation services and organizational level support resources for 10 (ten) United States Air Force Squadrons.

2.1.1 Maintenance

The Contractor shall plan and implement a two-level support concept for the Sniper that is compliant with the requirements of the SS.

An organizational level maintenance plan shall identify the training requirements, facility requirements, hazardous material list, skill level, tool requirements, repair parts and consumables, and support equipment needed for organizational level maintenance activities. The plan shall include contingencies for operational surges.

The Contractor shall develop and provide the system support package required for activation of an organizational operating site.

The Contractor shall prepare a comprehensive plan for supporting site activation to include maintenance concept, a spares list and a description of the methodology used to determine the range/depth of spares required, a description of all required support equipment for organizational level repair, and a list of effected tech orders. The plan shall be developed in accordance with CDRL A019 (DI-ILSS-81225/T).

The Contractor shall coordinate delivery of the site activation resources and provide an on-site technical representative for initial training and maintenance in accordance with the site activation plan. Site activation of USAF CONUS and OCONUS locations shall be provided per the IDIQ structure.

The following Site Activation Criteria shall be satisfied to complete this activity:

- All Sniper equipment is in place, ready for use at the determined site activation point including:
- Eight pod systems (pods, storage stands, pod to pylons, technical manuals) at each location.
- O-Level Support Equipment is in place, operational and crew(s) fully trained, and the SNIPER can be maintained with O-Level SE.
- Two (2) shipping containers for use in rainbowing equipment.
- Range and depth of spares necessary to maintain pod availability.
- All required pilots and ground crews are trained and capable of sustaining air operations.
- Contractor not involved in any O-level operations.
- Availability requirements are met over a 30-day Site Activation mission readiness period to include the following IOC scenarios
- Normal operations
- Deployment
- Contingencies

2.1.2 Sustaining Engineering

The Contractor shall provide sustained engineering support at the Contractor's facility to assure the continued producibility and supportability of the Sniper system.

2.1.3 Data

The Contractor shall provide source data for Flight and Organizational Level Maintenance manuals to incorporate Sniper specific procedures. The data shall include:

- Air Crew data
- Organizational Level maintenance data
- Pod loading and handling procedures
- SE technical data

The Contractor shall validate data by review, analysis, or physical performance prior to delivery to the Government for use during operational test and evaluation. The Government and/or a user representative, as available, may witness the validation activity. Validation activities will be scheduled to provide sufficient time for incorporation of comments prior to the next required delivery. The Contractor shall provide Technical Manuals and notices in accordance with CDRL A017 (TMCR-86-01H) and CDRL A018 (DI-TMSS-80067B/T).

2.1.4 Training

The Contractor shall provide aircrew and maintenance training for USAF personnel. The training shall include theory operation, equipment description, BIT operation and results, and flight line maintenance. Training documentation shall be provided as specified in CDRLs A020 and A021 (DI-ILSS-80872/T).

Aircrew Training Materials Source data shall be provided for integration in the F-16 operator training courses. Material shall include theory operation, equipment description, and BIT operation and results.

Maintainer Training Materials Organizational Level maintenance course materials for the SNIPER shall be developed. The course material will cover installation, removal, LRU R&R, and BIT operation and troubleshooting.

2.1.5 Spares

The Contractor shall deliver the LRU site spares and repair material required to achieve the warranted system availability.

2.2 Air National Guard

The Contractor shall provide for site activation services and organizational level support resources for 9 (nine) United States Air National Guard Squadrons.

2.2.1 Maintenance

The Contractor shall plan and implement a two-level support concept for the Sniper that is compatible with the requirements of the SS.

An organizational level maintenance plan shall identify the training requirements, facility requirements, hazardous material list, skill level, tool requirements, repair parts and consumables, and support equipment needed for organizational level maintenance activities. The plan shall include contingencies for operational surges.

The Contractor shall develop and provide the system support package required for activation of an organizational operating site.

The Contractor shall prepare a comprehensive plan for supporting site activation to include maintenance concept, a spares list and a description of the methodology used to determine the range/depth of spares required, a description of all required support equipment for organizational level repair, and a list of effected tech orders. The plan shall be developed in accordance with CDRL A019 (DI-ILSS-81225/T).

The Contractor shall coordinate delivery of the site activation resources and provide an on-site technical representative for initial training and maintenance in accordance with the site activation plan. Site activation of USANG CONUS locations shall be provided to support the IDIQ structure.

The following Site Activation Criteria shall be satisfied to complete this activity:

- All Sniper equipment is in place, ready for use at the determined site activation point including:
- Eight pod systems (pods, storage stands, pod to pylons, technical manuals) at each location.
- O-Level Support Equipment is in place, operational and crew(s) fully trained, and the Sniper can be maintained with all O-Level SE.
- Two (2) shipping containers for use in rainbowing equipment.
- Range and depth of spares necessary to maintain pod availability.

- All required pilots and ground crews are trained and capable of sustaining air operations.
- Contractor not involved in any O-level operations.
- Availability requirements are met over a 30-day Site Activation mission readiness period to include the following IOC scenarios
- Normal operations
- Deployment
- Contingencies

2.2.2 Sustaining Engineering

The Contractor shall provide sustained engineering support at the Contractor's facility to assure the continued producibility and supportability of the Sniper system.

2.2.3 Data

The Contractor shall provide source data for Flight and Organizational Level Maintenance manuals to incorporate Sniper specific procedures. The data shall include:

- Air Crew data
- Organizational Level maintenance data
- Pod loading and handling procedures
- SE technical data

The Contractor shall validate data by review, analysis, or physical performance prior to delivery to the Government for use during operational test and evaluation. The Government and/or a user representative, as available, may witness the validation activity. Validation activities will be scheduled to provide sufficient time for incorporation of comments prior to the next required delivery. The Contractor shall provide Technical Manuals and notices in accordance with CDRL A017 (DI-TMSS-80067B/T) and CDRL A018 (DI-ILSS-81225/T).

2.2.4 Training

The Contractor shall provide aircrew and maintenance training for USANG personnel. The training shall include theory operation, equipment description, BIT operation and results, and flight line maintenance. Training documentation shall be provided as specified in CDRLs A020 (DI-ILSS-80872/T) and A021 (DI-ILSS-80872/T).

Aircrew Training Materials Source data shall be provided for integration in the F-16 operator training courses. Material shall include theory operation, equipment description, and BIT operation and results.

Maintainer Training Materials Organizational Level maintenance course materials for the Sniper shall be developed. The course material will cover installation, removal, LRU R&R, and BIT operation and troubleshooting.

2.2.5 Spares

The Contractor shall deliver the LRU site spares and repair material required to achieve the warranted system availability.

3.0 Sustainment Support (Long Term)

The Contractor shall provide a long-term depot sustainment program based on the results of the SORAP and the executed CLIN options. The resulting depot can be totally Contractor Logistic Support (CLS), totally organic, or a depot partnership.

3.1 CLS Support

The Contractor shall implement CLS for the total depot support effort. The CLS effort shall be tailored by the Depot Plan. The CLS service will be exercised in FY 05 for performance during CY 05 and continue per the Depot Plan.

3.1.1 TSSR

The Contractor shall maintain Total System Support Responsibility (TSSR) for the Sniper following the guidelines of AFI-10-602 for the ten (10) elements of Air Force Logistics Management. The Contractor shall develop and track support system metrics such as repair turn time and parts availability. The metrics shall be used to assess the sustainment of the Sniper, ground support systems, operations and maintenance, and supply chain. Corrective actions will be developed, as required, including updates to systems engineering data, technical data, and the implemented support concept. In addition with specific regard to parts obsolescence each subcontractor will be required to provide advance notification and full disclosure of any event, financial or other, and any occurrence, technological or other, that will impact on the continuous flow of the materials purchased under the subcontract. TSSR shall include the project management, item management, production control, two-way repair transportation,

inventory of spares and repair material, sustaining hardware and software engineering, financial management, contract management, logistics management, configuration control, provisioning, and quality control functions during the CLS period of performance.

3.1.2 Warranty

The Contractor shall implement and administer a warranty program which shall ensure ATP availability in accordance with SS. The Contractor shall review, analyze and categorize failures, develop a database for failure tracking and procurement to recommend and implement product and process updates which improve the ATP availability without compromise to other performance parameters. The Sustainment IPT shall ensure implementation of required warranty operations at subcontractors' locations.

The Contractor shall implement a warranty data collection effort for operating hours and equipment failures to assess the ATP availability. Availability is calculated using the Air Force RAMPOD system.

3.1.3 Maintenance

The contractor shall provide depot level repair services for the period of performance. The repair services will include repair, personnel training, SE and SE maintenance, facilities maintenance, technical data maintenance, software maintenance, technical orders, and quality control.

3.2 Organic Repair Stand-up

The Contractor shall provide data to support the government Source of Repair Assignment Process (SORAP), shall participate in SORAP Working Group meetings, and shall provide documentation in accordance with CDRL A007 (DI-ATTS-80041A/T). The Contractor shall prepare and submit a Depot Maintenance Cost Report in accordance with CDRL A006 (DI-FNCL-80462/T).

The contractor shall provide the training, data, and equipment to establish organic depot repair for the line items selected in the execution of CLIN 0017, based on the SORAP decision.

Logistics Management Information (LMI) summaries will be developed in accordance with CDRL B007 (DI-ALSS-81529). Supplemental data for provisioning shall be provided as specified by CDRL B006 (DI-ALSS-81557).

3.2.1 Depot Tech Orders

The Contractor shall provide Depot Technical Manuals in commercial formats in accordance with CDRL B010 (TMCR-86-01H Tailored). Conference minutes in accordance with CDRL B011 (DI-ADMIN-81250A) shall be provided to document the results of the TO guidance, planning, and review meetings.

3.2.2 Training

The contractor shall prepare depot training materials and provide initial training services for the selected repairable line items in accordance with CDRL B009 (DI-ILSS-80872/T).

3.2.3 Test Requirements Documents

The Contractor shall submit Test Requirements Documents (TRDs) in accordance with CDRL B005 (DI-ATTS-80041A). The TRDs shall be delivered for each repairable assembly (LRU, SRU, CCA and/or Module).

3.2.4 Unique Support Equipment

The Contractor shall define and produce Sniper unique depot support equipment for repair of each Sniper LRU. Calibration and measurement requirements shall be defined and documented in accordance with CDRL B008 (DI-QCIC-80278A).

3.2.5 TSSR

The Contractor shall maintain Total System Support Responsibility (TSSR) for the Sniper following the guidelines of AFI-10-602 for the ten (10) elements of Air Force Logistics Management. The Contractor shall develop and track support system metrics such as repair turn time and parts availability. The metrics shall be used to assess the sustainment of the Sniper, ground support systems, operations and maintenance, and supply chain. Corrective actions will be developed, as required, including updates to systems engineering data, technical data, and the implemented support concept. In addition with specific regard to parts obsolescence each subcontractor will be required to provide advance notification and full disclosure of any event, financial or other, and any occurrence, technological or other, that will impact on the continuous flow of the materials purchased under the subcontract. TSSR shall include the project management, item management, production control, two-way repair transportation, inventory of spares and repair material, sustaining hardware and software engineering, financial management, contract management, logistics management, configuration control, provisioning, and quality control functions during the Organic depot repair period of performance.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE: J - FFP
PAGE OF PAGES: 1 of 2

2. AMENDMENT/MODIFICATION NO. P00001
3. EFFECTIVE DATE: 04 OCT 2001
4. REQUISITION/PURCHASE REQ NO.
5. PROJECT NO. (if applicable)

6. ISSUED BY: ASC/FBLK CODE: FA8607
7. ADMINISTERED BY (if other than Item 5) CODE: S1005A
USA/AFMC
AERONAUTICAL SYSTEMS CENTER (ASC)
2725 C STREET
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JOSEPH E. BRACHT (937) 904-5891
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DCM LOCKHEED MARTIN ORLANDO
5600 SAND LAKE RD
MP 49
ORLANDO FL 32819-8907

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
LOCKHEED MARTIN CORPORATION
MISSILES & FIRE CONTROL - ORLANDO
5600 SAND LAKE ROAD
ORLANDO FL 32819-8907
MAILING DATE: OCT 04 2001
9A. AMENDMENT OF SOLICITATION NO.
9B. DATED (SEE ITEM 11)
10A. MODIFICATION OF CONTRACT/ORDER NO. F33657-01-D-2029
10B. DATED (SEE ITEM 13)
CODE: 04939 FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

13. THIS ITEM APPLIES ONLY TO MODIFICATION OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(X) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: () THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. ITEM 10A.
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-1 Changes - Fixed Price
D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 1 copies to the issuing

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract)
SUBJECT: Incorporation of Revised DD Form 254
CHANGE IN PRICE: None.
CHANGE IN OBLIGATION: None.

P00001
Fully
Releasable

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remain in effect.

15A. NAME AND TITLE OF SIGNER (Type or print): Michael A. Rushing, Sniper/PANTERA Contracts Manager
15B. CONTRACTOR/OFFEROR: Michael A. Rushing (Signature of person authorized to sign)
15C. DATE SIGNED: 19 SEP 01
16A. NAME AND TITLE OF SIGNER (Type or print): RONALD F. HILL, Contracting Officer
16B. UNITED STATES OF AMERICA
16C. DATE SIGNED: 1 Oct 01
BY: Ronald Hill (Signature of Contracting Officer)

1. Pursuant to the "Changes" clause, the above-numbered contract is modified as follows:

a. SECTION J - List of Attachments is changed as follows and is attached hereto:

From:	ATTACHMENT TITLE	DATE	NO. OF PAGES
2	Contract Security Classification Specification, DD Form 254	21 Sep 00	6

To:	ATTACHMENT TITLE	DATE	NO. OF PAGES
2	Contract Security Classification Specification, DD Form 254, Rev. 1	20 Aug 01	6

b. SECTION J, Attachment 3, "Contract Security Classification Specification", dated 21 September 2000, is hereby replaced by "Contract Security Classification Specification, Revision 1", dated 20 August 2001, attached hereto.

2. This Supplemental Agreement, P00001, constitutes full settlement of all claims of the Contractor arising out of or in connection with the changes effected hereby.

12. PUBLIC RELEASE. Any information (classified or unclassified) pertaining to this contract shall not be released for public dissemination except as provided by the Industrial Security Manual or unless it has been approved for public release by appropriate Government authority. Proposed public releases shall be submitted for approval prior to release.

Direct Through Agency:

ASC/PA, Building 14
 1865 4th Street, Room 240
 WPAFB OH 45433-7129

to the Directorate for Freedom of Information and Security Review, Office of the Assistant Secretary of Defense (Public Affairs) for review.
 In the case of non-DoD User Agencies, requests for disclosure shall be submitted to that agency.

13. SECURITY GUIDANCE. The security classification guidance used for this classified effort is identified below. If any difficulty is encountered in applying this guidance or if any other contributing factor indicates a need for changes in this guidance, the contractor is authorized and encouraged to provide recommended changes; to challenge the guidance or the classification assigned to any information or material furnished or generated under this contract; and to submit any questions for interpretation of this guidance to the official identified below. Pending final decision, the information involved shall be handled and protected at the highest level of classification assigned or recommended. (If it is appropriate for the classified effort, attach, or forward under separate correspondence, any documents/guidelines/extracts reference herein. Add additional pages as needed to provide complete guidance.)

The National Industrial Security Program Operating Manual (NISPOM), January 1995 applies to this contract.

- a. Ref Blk 10a/11h: COMSEC and/or cryptographic requirements apply. See DoD 5220.22-S.
- b. Ref Blk 10e(2): Contractor will require access to intelligence information and must comply with AFI 14-303/AFMC Supplement 1. The Program Manager has determined that disclosure does not create an unfair competitive advantage for the contractor or a conflict of interest with the contractor's obligation to protect the information and will submit the AFMC Form 210 to the local SIO for approval prior to granting access.
- c. Ref Blk 10j: For Official Use Only (FOUO) applies. See Addendum.
- d. Ref Blk 11c: Any classified material generated in the performance of this contract shall require the contractor to apply derivative classification and markings consistent with the source material or be governed by the current version of the Non-Cooperative Target Recognition Security Classification Guide, 30 March 1990. Special Considerations Apply. See Addendum. SCG will be provided under separate cover.
- e. Ref Blk 11d: This contractor is required to provide adequate and approved storage for classified hardware or material to the level of SECRET, which because of size or quantity cannot be safeguarded in an approved storage container.
- f. Ref Blk 11i: EMSEC requirements apply. See addendum.
- g. Program Manager: Shirley Morrison, ASC/FBL, (937) 904-5908.
- h. DISTRIBUTION: 88th SFS/SFAS, 1801 Tenth St., Rm 103, WPAFB OH 45433-7625; ASC/NAIC/POA, 2690 Loop Road West, Bldg 556, Rm 017, WPAFB OH 45433-7106

Coordinated (via email) by Lt Col Andrew L. Pickens, ASC/NAIC/POA, (937) 255-8108 on 27 Aug 01

14. ADDITIONAL SECURITY REQUIREMENTS. Requirements in addition to ISM requirements, as established for this contract. (If Yes, identify the pertinent contractual clauses in the contract document itself, or provide an appropriate statement which identifies the additional requirements. Provide a copy of the requirements to the cognizant security office. Use Item 13 if additional space is needed.) Yes No

15. INSPECTIONS. Elements of this contract are outside the inspection responsibility of the cognizant security office. (If Yes, identify specific areas or elements carved out and the activity responsible for inspections. Use Item 13 if additional space is needed.) Yes No

16. CERTIFICATION AND SIGNATURE. Security requirements stated herein are complete and adequate for safeguarding the classified information to be released or generated under this classified effort. All questions shall be referred to the official named below.

a. TYPED NAME OF CERTIFYING OFFICIAL RONALD F. HILL	b. TITLE Contracting Officer	c. TELEPHONE (Include Area Code) (937) 904-5847												
d. ADDRESS (include Zip Code) ASC/FBK 2725 C Street WPAFB OH 45433-7424	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> 88 SFS/SFAS COORDINATION PC-ONLY Date: 28 Aug 01 </div>	17. REQUIRED DISTRIBUTION <table style="width: 100%; border-collapse: collapse;"> <tr><td><input checked="" type="checkbox"/></td><td>a. CONTRACTOR</td></tr> <tr><td><input type="checkbox"/></td><td>b. SUBCONTRACTOR</td></tr> <tr><td><input checked="" type="checkbox"/></td><td>c. COGNIZANT SECURITY OFFICE FOR PRIME AND SUBCONTRACTOR</td></tr> <tr><td><input type="checkbox"/></td><td>d. U.S. ACTIVITY RESPONSIBLE FOR OVERSEAS SECURITY ADMINISTRATION</td></tr> <tr><td><input checked="" type="checkbox"/></td><td>e. ADMINISTRATION CONTRACTING OFFICER</td></tr> <tr><td><input checked="" type="checkbox"/></td><td>f. OTHERS AS NECESSARY</td></tr> </table>	<input checked="" type="checkbox"/>	a. CONTRACTOR	<input type="checkbox"/>	b. SUBCONTRACTOR	<input checked="" type="checkbox"/>	c. COGNIZANT SECURITY OFFICE FOR PRIME AND SUBCONTRACTOR	<input type="checkbox"/>	d. U.S. ACTIVITY RESPONSIBLE FOR OVERSEAS SECURITY ADMINISTRATION	<input checked="" type="checkbox"/>	e. ADMINISTRATION CONTRACTING OFFICER	<input checked="" type="checkbox"/>	f. OTHERS AS NECESSARY
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<input type="checkbox"/>	b. SUBCONTRACTOR													
<input checked="" type="checkbox"/>	c. COGNIZANT SECURITY OFFICE FOR PRIME AND SUBCONTRACTOR													
<input type="checkbox"/>	d. U.S. ACTIVITY RESPONSIBLE FOR OVERSEAS SECURITY ADMINISTRATION													
<input checked="" type="checkbox"/>	e. ADMINISTRATION CONTRACTING OFFICER													
<input checked="" type="checkbox"/>	f. OTHERS AS NECESSARY													
e. SIGNATURE 														

ADDENDUM TO DD FORM 254 (Block 10j)
FOR OFFICIAL USE ONLY (FOUO)
(Reference DoD Regulation 5400.7/Air Force Supplement, 22 July 1999.)

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P00001
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Page 3 of 6

1. **GENERAL:** FOUO is information that has not been given a security classification pursuant to the criteria of an Executive Order, but which may be withheld from the public because disclosure would cause a foreseeable harm to an interest protected by one or more of the Freedom of Information Act (FOIA) exemptions 2 through 9. Additional information on FOUO may be obtained by contacting the User Agency. FOUO is assigned to information at the time it is created in a DoD Agency or derivatively as instructed in a Security Classification Guide.
2. **MARKING:**
 - a. FOUO information received (released by a DoD component) should contain the following marking, when received: ***THIS DOCUMENT CONTAINS INFORMATION EXEMPT FROM MANDATORY DISCLOSURE UNDER FOIA. EXEMPTION(S) _____ APPLIES/APPLY.***
 - b. Mark an unclassified document containing FOUO information "FOR OFFICIAL USE ONLY" at the bottom of each page containing FOUO information and on the bottom of the front page or front cover (if any) and on the back of the last page and on the back cover (if any). Each paragraph containing FOUO information shall be marked as such.
 - c. Within a classified document, an individual page that contains both FOUO and classified information shall be marked at the top and bottom with the highest security classification of information appearing on the page. Individual paragraphs shall be marked at the appropriate classification level, as well as unclassified or FOUO, as appropriate. An individual page that contains FOUO information but no classified information shall be marked "FOR OFFICIAL USE ONLY" at the top and bottom of the page, as well as each paragraph that contains FOUO information. NOTE: For "production efficiency" the entire document may be marked top and bottom with the highest level of classification contained within it, as long as every paragraph is marked to reflect the specific classification of the information it contains.
 - d. Mark other records, such as computer print outs, photographs, films, tapes, or slides "FOR OFFICIAL USE ONLY" so that the receiver or viewer knows the record contains FOUO information.
 - e. Mark each part of a message that contains FOUO information. Unclassified messages containing FOUO information must show the abbreviation "FOUO" before the text begins.
3. **DISSEMINATION:** FOUO may be disseminated between officials of DoD Components, DoD contractors, consultants and grantees to conduct official business for DoD. Recipients shall be made aware of the status of such information and transmission shall be by means that preclude unauthorized public disclosure.
4. **TRANSMISSION:** FOUO information shall be transmitted in a manner that prevents disclosure of the contents. When not commingled with classified information, it may be sent via first-class mail or parcel post. Bulky shipments, i.e. testing materials, that otherwise qualify under postal regulations, may be sent by fourth-class mail. FOUO information may also be sent over facsimile equipment; however, when deciding whether to use this means, balance the sensitivity of the records against the risk of disclosure. Consider the location of sending and receiving machines and ensure authorized personnel are available to receive the FOUO information as soon as it is transmitted. Transmittal documents shall call attention to the presence of FOUO attachments. FOUO information may also be sent via e-mail, if it is sent via a system that will prevent unintentional or unauthorized disclosure.
5. **STORAGE:** To safeguard FOR OFFICIAL USE ONLY records during normal duty hours, place them in an out-of-sight location if your work area is accessible to persons who do not have a valid need for the information. After normal duty hours, store FOUO records to prevent unauthorized access. File them with other unclassified records in unlocked files or desks when normal internal building security is provided. When there is no internal building security, locked buildings or rooms normally provide adequate after-hours protection. If such protection is not considered adequate, FOUO material shall be stored in locked containers such as file cabinets, desks, or bookcases. *Expenditure of funds for security containers or closed areas solely for the protection of FOUO data is prohibited.*
6. **DESTRUCTION:** When no longer needed, FOUO information shall be disposed of by any method that will preclude its disclosure to unauthorized individuals.

ADDENDUM TO DD FORM 254 (Block 11c)
SPECIAL CONSIDERATIONS
(AFSSM 7011 EXTRACT)

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3.5. Special Items. People may innocently introduce other radio devices, such as pagers, hand-held portable transceiver radios, cellular telephones, cordless telephones, and cordless microphones into the area processing classified national security information with disastrous results. Also, alarm systems may use radio transmitters to alert remotely located security or fire-fighting teams.

3.5.1. Hand-Held Radios. Hand-held radio transceivers used with intrabase radios (sometimes abbreviated IBR) and land mobile radios (sometimes abbreviated LMR) deserve special consideration because of their unique operational applications. A person may carry these devices into an area where classified national security information is processed. If the person carrying such a device works in the facility, either turn off the device and use the telephone or separate it 2 meters from classified processors: no transmissions are allowed. If the person carrying the device is a short-term visitor, it is not necessary to turn off the radio because the visitor usually moves about in the facility. Infrequent transmissions are allowed, but only for short durations.

3.5.2. Beepers and Pagers. Beepers and pagers deserve special consideration because of their unique operational applications. A person may carry these devices into an area where classified national security information is processed. If the person carrying such a device works in the facility, either turn off the device and use the telephone or keep the device 2 meters from classified processors. If the person carrying the device is a short-term visitor, it is not necessary to turn off the device because the visitor usually moves about in the facility. If the device has a transmit capability, follow the instructions for hand-held radios.

3.5.3. Alarm Systems. The mode of operation of alarm systems radio frequency transmitters will determine their treatment. Any such transmitter with a continuous transmit mode or a high duty cycle (transmits most of the time) must meet the same separation requirements as all other fixed transmitters. If they do not meet these requirements, exclude them from operating in the classified national security information processing area. Low duty cycle (transmits short bursts infrequently) systems are not considered hazards and require no special treatment.

3.5.4. Cellular Telephones. When a cellular telephone is used as an operational necessity separate it 5 meters from RED equipment. When the cellular telephone is a personal asset, its use is prohibited. Disable the unit from receiving calls or separate it 10 meters from RED processors.

3.5.5. Cordless Telephones. When a radio frequency cordless telephone is used as an operational necessity, separate it 5 meters from RED equipment. When the cordless telephone is a personal asset, its use is prohibited. Disable the personal cordless telephone from receiving calls or separate it 10 meters from RED processors. There are no separation requirements for infrared cordless telephones.

3.5.6. Cordless Microphones.

3.5.6.1. Radio Frequency Cordless Microphones. When a radio frequency cordless microphone, encrypted or unencrypted, is used for briefing either classified national security information or unclassified information, separate it 10 meters from RED equipment. Using unencrypted radio frequency cordless microphones for classified briefings is prohibited.

3.5.6.2. Infrared Cordless Microphones. Using an infrared cordless microphone for briefing classified national security information requires a closed room: keep the doors closed and cover the windows with drapes.

3.5.7. Cordless Keyboards. When a radio frequency cordless keyboard is used, separate it 10 meters from RED equipment. Radio frequency cordless keyboards cannot be used to process classified national security information unless encrypted.

3.5.8. Wireless Local Area Networks. When a radio frequency wireless local area network is used, separate the transmitter and receiver units 10 meters from RED equipment.

The complete document can be obtained from the Air Force Information Protection Home Page (<http://www.afca.scott.af.mil/ge/gci/>).

ADDENDUM TO DD FORM 254 (Block 11i)
EMISSION SECURITY (EMSEC) REQUIREMENTS
(FORMERLY TEMPEST REQUIREMENTS)

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Attachment 3
Page 5 of 6

Page 1 of 2 Pages

EMISSIONS SECURITY ASSESSMENT REQUEST (ESAR)

FOR ALL CLASSIFIED SYSTEMS

1. The contractor shall ensure that compromising emanations (EMSEC) conditions related to this contract are minimized.
2. The contractor shall provide countermeasure assessment data to the Contracting Officer (CO), in the form of an ESAR. The ESAR shall provide only specific responses to the data required in paragraph 3 below. The contractor's standard security plan shall NOT be used as a "stand-alone" ESAR response. The contractor shall NOT submit a detailed facility analysis/assessment. The ESAR information will be used to complete an EMSEC Countermeasures Assessment Review of the contractor's facility to be performed by the government EMSEC authority using current Air Force EMSEC directives. EMSEC is applied on a case-by-case basis and further information may be required to complete the review. The contractor shall provide this information to the CO when requested. After the evaluation of the ESAR by the government EMSEC authority, additional EMSEC requirements may be necessary. When changes to the information required in paragraph 3 below occurs (including, but not limited to, relocation, additions, or deletions of equipment from the original approved room), the contractors shall notify the CO of these changes. Upon request, the contractor shall submit to the CO a new ESAR, identifying the new configuration at least 30 days before the change occurs. The contractor shall NOT commence processing with the new configuration until receiving, as a minimum, interim approval from the CO.
3. *ESAR contents shall include, as a minimum, the following information:
 - a. The specific classification and special categories of material to be processed/handled by electronic means. Include percentage of each classification level used including unclassified (i.e., 5% Top Secret, 10% Secret/SAR, 25% Secret, 60% Unclassified).
 - b. The specific location (complete address, building/room number, or office) where classified processing will be performed. Include identification of any other contractor/company located within 200 meters of the facility.
 - c. Attach a copy of the Defense Investigative Service (DIS) Form 147 to validate physical security and approved storage level of the facility.
 - d. Provide the name, title, and telephone number (commercial and/or DSN) of a point of contact at the facility where processing will occur.
4. The prime contractor shall ensure that all subcontractors and/or vendors comply with EMSEC requirements when performing classified processing related to this contract. The subcontractor will provide the above documentation through their prime to the CO to complete the ESAR.

*NOTE: A copy of your Automated Information System Security Plan(s) (AISSP) will suffice.

ADDENDUM TO DD FORM 254 (Block 11i)
EMISSION SECURITY (EMSEC) REQUIREMENTS
(FORMERLY TEMPEST REQUIREMENTS)

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Attachment 3
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Page 2 of 2 Pages

EMISSIONS SECURITY ASSESSMENT REQUEST (ESAR)

FOR TOP SECRET SYSTEMS

1. In addition to the information required for all classified systems, the following will be required for Top Secret processing:

a. Identify the radius (in meters) of the physical control space available around the system, equipment, or facility. Describe the barriers, doors, fences, walls, etc that define the area. Describe the control exercised over the area during duty and nonduty hours. Describe other factors, which contribute to control (i.e., visitor procedures, escort requirements, searches of personnel and/or vehicles, etc).

b. Identify the type and location (relative to the classified system) of any unfiltered/telephone or communication lines, shielded or unshielded twisted pair cables or fiber, underground or unfiltered power lines, conduit, heating and air conditioning ducts, water pipes, etc, that transgress the established controlled area.

c. Describe the building in which the classified system(s) is housed, i.e., concrete block outer walls, 2" X 4" and single ply gypsum board inner walls, true floor to true ceiling walls, metallic (steel) or solid wood doors, windows (if there are windows, describe the type of coverings on them), etc.

d. Diagrams and/or drawings would be extremely helpful.

2. Additional information may be requested upon review of the documentation provided.

CONTRACT FILES

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE J - FFP	PAGE OF PAGES 1 of 3
2. AMENDMENT/MODIFICATION NO. P00004		3. EFFECTIVE DATE 01 FEB 2002		4. REQUISITION/PURCHASE REQ. NO.
6. ISSUED BY ASC/BLK CODE		7. ADMINISTERED BY (if other than item 6)		5. PROJECT NO. (if applicable)
USAF/AFMC AERONAUTICAL SYSTEMS CENTER (ASC) 2725 C STREET WRIGHT-PATTERSON AFB OH 45433-7424 DEREK D. BONENCLARK (937) 904-5902 derek.bonenclark@wpafb.af.mil		DCM LOCKHEED MARTIN ORLANDO 5800 SAND LAKE RD MP 49 ORLANDO FL 32819-8907		S1005A
8. NAME AND ADDRESS OF CONTRACTOR (No. street, county, State and ZIP Code)			(X)	9A. AMENDMENT OF SOLICITATION NO.
LOCKHEED MARTIN CORPORATION MISSILES & FIRE CONTROL - ORLANDO 5600 SAND LAKE ROAD ORLANDO FL 32819-8907				9B. DATED (SEE ITEM 11)
			X	10A. MODIFICATION OF CONTRACT/ORDER NO.
				10B. DATED (SEE ITEM 13)
CODE 04939	FACILITY CODE			20 AUG 2001
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.				
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:				
(a) By completing items 6 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (if required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATION OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
(X)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: () THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. ITEM 10A.			
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).			
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-1 Changes - Fixed Price			
	D. OTHER (Specify type of modification and authority)			
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return 1 copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)				
SUBJECT: Risk Reduction Flight Testing				
CHANGE IN PRICE: None				
CHANGE IN OBLIGATION: None				
NOTE: P00004 ISSUED PRIOR TO P00003				
Except as provided herein, all terms and conditions of the document referenced in items 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)			15A. NAME AND TITLE OF SIGNER (Type or print)	
Michael A. Rushing, Sniper Contracts Mgr			Contracting Officer	
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	
 Signature of person authorized to sign		2/7/02	BY  Signature of Contracting Officer	
NSN 7540-01-152-8070		30-105	5 FEB 2002	

Contract F33657-01-D-2029 is hereby modified by mutual agreement of both parties pursuant to FAR 52.243-1, Changes-Fixed Price as follows:

1. Section B - SUPPLIES OR SERVICES AND PRICES/COSTS is amended as follows:

(a) The price of CLIN 0111 is increased from \$653,826 to \$713,826, an increase of \$60,000.

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0111	CLIN Change		
	<i>Noun:</i>	F-16 BLOCK 30 SCU 4 QT&E SUPPORT - FY02	
	<i>NSN:</i>	N - Not Applicable	
	<i>Contract type:</i>	J - FIRM FIXED PRICE	
	<i>Inspection:</i>	DESTINATION	
	<i>Acceptance:</i>	DESTINATION	
	<i>FOB:</i>	DESTINATION	
	<i>Descriptive Data:</i>		
	The Contractor shall support the F-16 Block 30 SCU 4 QT&E IAW the Sniper System Specification and the SOW in Section C of this contract. Total CLIN amount is \$713,826.		
	0111 Section B:		
	CLIN Description changed from		
	THE CONTRACTOR SHALL SUPPORT THE F-16 BLOCK 30 SCU 4 QT&E IAW THE SNIPER SYSTEM SPECIFICATION AND THE SOW IN SECTION C OF THIS CONTRACT. TOTAL CLIN AMOUNT IS \$653,826. to		
	THE CONTRACTOR SHALL SUPPORT THE F-16 BLOCK 30 SCU 4 QT&E IAW THE SNIPER SYSTEM SPECIFICATION AND THE SOW IN SECTION C OF THIS CONTRACT. TOTAL CLIN AMOUNT IS \$713,826.		

(b) The following Section B clause is changed to read:

B028 CONTRACT TYPE: FIRM FIXED PRICE (Feb 1997)

The Not-To-Exceed total price for this contract is \$843,233,862.00

Applicable to following Line Items: All except CLIN 0009 (CLS)
<end of clause>

(c) The following Section C clause is changed to read:

C003 INCORPORATED DOCUMENTS/REQUIREMENTS (Apr 1998)

SPC77420004	Sniper System Specification	13 June 2001
ATP SOW	Statement of Work	18 July 2001(Rev. by P00004, 1 Feb 2002)

<end of clause>

2. Section J - Attachments is amended to modify the following:

(a) LIST OF ATTACHMENTS, page 42 of 42 - Attachment 1 date changed to 1 FEB 2002.

(b) ATTACHMENT 1, Statement of Work - Added the following paragraph to SOW 1.3.1, SNIPER Integration and Test:

"The contractor shall conduct a risk mitigation flight test program for the purposes of generating pod flight performance data. The pod performance data shall be compiled by the contractor and summary information reported to the government. The flight test program shall be conducted on a government leased aircraft with all associated costs to be managed by the contractor. The risk reduction flights shall collect at a minimum, FLIR (with XR processing) performance data, transfer alignment data, and if a buddy laser is available, Laser Spot Tracking (LST) performance. The contractor shall attempt to demonstrate the aforementioned capabilities at system specification performance levels."

The revised Statement of Work is dated 1 FEB 2002 and is attached hereto in its entirety.

3. All other terms and conditions remain unchanged as a result of this modification.

**STATEMENT OF WORK (SOW)
FOR THE
USAF ADVANCED TARGETING POD (ATP)
PROGRAM**

July 18, 2001
(Revised by P00004, 1 Feb 2002)

F33657-01-D-2029

July 18, 2001
(Revised by P00004, 1 Feb 2002)

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1.0 INTRODUCTION

1.0.1 Scope

This Statement of Work (SOW) defines the Lockheed Martin effort for the Advanced Targeting Pod (ATP) program to provide the Air Force, for the F-16 Block 50/52 CJ, Block 25/30/32, and the F-15E aircrafts, a fully integrated capability to deliver precision and GPS guided munitions in support of Destruction of Enemy Air Defense (DEAD) missions. Lockheed Martin (hereafter referred to as Contractor) shall provide all effort required for the management, fabrication, integration, test, and logistics support of its Non-Developmental Item (NDI) (Sniper XR) (herein after referred to as Sniper system. Details and information of the efforts that shall be performed are contained herein. These efforts include, as a minimum, systems engineering, program management, Interim Contractor Support, Associate Contractor Agreements, and sustainment support. The Contractor shall ensure that all delivered products meet the requirements as specified in this contract, including the Sniper System Specification (SS), this SOW, and Contract Data Requirements List (CDRL).

This SOW includes all work activities potentially exercisable by the Government under this Indefinite Delivery/Indefinite Quantity (IDIQ) contract. Sections J, Attachment 9, contains a Contract Line Item Number (CLIN)-SOW map which identifies the specific SOW paragraphs to be invoked as the result of Government award of contract CLINs.

1.0.2 Applicable Documents

The following documents of the exact issue shown at the time of initial contract award form a part of this SOW to the extent specified herein. Only documents referenced within the specified requirements are applicable, and only to the extent applied to the requirement. In the event of a conflict between documents referenced and the SOW, the SOW shall take precedence.

Government Documents

AFMFAR 5352.204-9001
(July 1997)

Assignment of Serial Numbers for
Configuration Control and Administration
Of Warranties

AFMFAR 5352.217-9008
(July 1997)

Assignment of National Stock Numbers

AFI-10-602
(20 June 1994)

Determining Logistics Support and Readiness
Requirements

Non-Government Documents

SPC77420004

Sniper System Specification (SS) (April 2001)

1.1 Prime Mission Equipment

The Contractor shall ensure that the ATP Program activity embodies processes and qualities that are compatible with existing manufacturing methods and manufacturing test procedures. The Contractor may use best practices for design and construction. Parts shall meet all performance, reliability, and interface requirements.

1.1.1 Advanced Targeting Pods

The Contractor shall manufacture, test, and deliver Sniper systems which conform to the SS at a monthly rate as required to support the IDIQ structure. This task includes production start-up labor, touch labor, production material, subcontract material, conformance verification, and production support. Tooling, fixtures or special test equipment required to meet IDIQ production rate requirements shall also be provided.

The Contractor shall assure that all software used in the delivered products has been developed and qualified according to documented internal Contractor standards consistent with current industry software development practices. The Contractor shall prepare and deliver a Software Requirements Specification in accordance with CDRL B001 (DI-IPSC-81433A/T) or Single Process Initiative (SPI) CPC96-0024, and Software Product Specification in accordance with CDRL B002 (DI-IPSC-81441A/T) or SPI CPC96-0024. Automated Computer Identification Numbers (ACPIN) shall be provided in accordance with CDRL B003 (DI-MISC-81454A).

The Contractor shall prepare and deliver Product Drawings and Associated Lists in accordance with CDRL B004 (DI-DRPR-81000A/T) and record and prepare Engineering Data Guidance Conference minutes in accordance with B011 (DI-ADMN-81250A).

1.1.2 Pylons

The Contractor shall manufacture, test, and deliver pylons at a monthly rate as required to support the IDIQ structure. The pylons shall be delivered during the base activation period in accordance with the contract Integrated Master Plan/Integrated Master Schedule (IMP/IMS). The pylons shall be certified to be equivalent to the current F-16/LANTIRN configuration and shall be interchangeable with existing fielded pylons.

1.1.3 Pod Refurbishment – FY 03

The Contractor shall refurbish the pods delivered to the USAF or ANG flight test sites in FY03 for purposes of conducting planned Qualification Test & Evaluation (QT&E) or Qualification Operational Test & Evaluation (QOT&E) as part of the comprehensive test program required to allow Required Available Assets (RAA) or the Initial Operations

Capability (IOC). Following refurbishment, these pods shall be delivered to the ANG or USAF as part of the production items called for under CLIN 0001.

1.2 System Engineering/Program Management

1.2.1 Integrated Product and Process Development and Risk Management

The Contractor shall provide for integrated Systems Engineering and Program Management through an ATP Program Integrated Product Team (IPT). The ATP Program IPT shall have the necessary resources and expertise to provide contracted products and services in accordance with this SOW and the SS. The Program IPT shall include Government and Contractor participation and ensure that system performance and operational readiness parameters are achieved. The Contractor shall execute an innovative plan to manage the delivery, integration and certification of the Sniper system. Through the Program IPT relationships, clear visibility into schedule, technical performance and risk shall be maintained. Management and execution shall be aided by an IMP and supported by the IMS. The IMS shall be submitted in accordance with CDRL A011 (DI-MISC-81183A/T).

The Contractor shall perform continual risk assessment in accordance with the Contractor's internally approved policies and procedures. The Contractor shall facilitate a Risk Management IPT providing for government participation. Closure of risk items shall be mutually agreed between Government and Contractor and shall include, as a minimum, the inclusion of the approved closure approach within the IMS and the establishment of criteria by which task completion shall be measured.

The Contractor shall identify and resolve all hazards within the subsystem and support equipment which are categorized as unacceptable or undesirable using the definitions of MIL-STD-882c, Appendix A, Figure 1, as guidance. The Contractor shall document the results of this analysis and identify hazardous materials introduced in the subsystem's or support equipment's life cycle in a safety assessment report. The Contractor shall certify the subsystem and support equipment complies with all safety, suitability, and effectiveness (OSS&E) standards/regulations.

1.2.1.1 System Engineering

The Contractor shall ensure that the Sniper system design integrity is maintained at the system level, and that the provisions of the SS are maintained during production and deployment of the Sniper equipment. This shall include providing the system, hardware, and software engineering disciplines and resources for design compliance and technical oversight to ensure the system performance and operational readiness parameters are met and maintained. The Contractor shall investigate and resolve potential parts obsolescence issues and shall provide sustaining engineering support to ensure contract delivery requirements for configuration items and engineering documentation are met and maintained.

The Contractor shall perform all tasks necessary to assure system integrity of the Sniper system. The Contractor shall assume Total System Integration Responsibility (TSIR). Under TSIR, the Contractor shall support Test Planning Working Group (TPWG) activities, review test plans and procedures, support government and associate Contractor integration activities, and manage future Sniper system product improvements and associated installation activities.

1.2.1.1.1 Reliability Growth Program

The Contractor shall establish and execute a reliability growth program to achieve the proposed reliability growth curve profile. A Reliability Growth Plan (RGP) will be developed which incorporates appropriate tracking and assessment techniques to ensure that support cost risk is properly addressed and reduced. All applicable hardware testing will be tracked to a predefined growth curve. Additional testing performed on vendor critical items may also be used to demonstrate that the reliability growth is on track. Fielded system data collection will be performed to ensure consistency between test data and fielded equipment reliability. The Contractor shall implement and maintain a Failure Reporting and Corrective Action System (FRACAS) to monitor growth, identify trends, and track the implementation of corrective design, manufacture, or retrofit activities.

1.2.1.2 Program Management

The Program Management IPT shall direct the Contractor's efforts through use of an IMP. The IMP shall incorporate the Contractor's internally approved management processes and procedures. Program Management activities shall include program coordination, data item approval, program finance support for cost control, risk management and mitigation. The Contractor's IMP shall identify all work to be accomplished, the organizations responsible for performing work, and the schedules for starting and completing work. The Program IPT shall implement the IMS which shall depict program milestones, activities, events, and associated critical paths. The IMS shall be the primary means of communicating the program progress to contractual delivery schedules.

Upon implementation of a Depot Partnership concept, the Contractor shall prepare and deliver a Management Plan in accordance with CDRL A023 (DI-MGMT-80004/T). The Management Plan shall address and provide means for the Government to enter into a contractual agreement for Depot Partnering.

The Contractor shall conduct In-Process Review (IPRs) for Flight and Maintenance Manuals at the Contractor's facility for Blocks 30 and 50 when data has reached the 30% and 70% percent completion points. IPRs shall also be conducted for the Technical Data Package (TDP) at the Contractor's facility when data has reached the 30%, 50%, and 80% percent completion points. Coordination of risk items with the Government shall be documented and discussed as part of the IPRs.

1.2.2 Configuration and Data Management

The Contractor shall establish and maintain a Configuration Management (CM) Program which defines the management system for configuration identification, audits, change control and status accounting for the ATP Program in accordance with Contractor's internal policies and procedures. The Contractor shall provide a single configuration management focal point within the Program Management IPT.

The Contractor shall identify and document the configuration identification of the Hardware Configuration Items (HWICs) and Computer Software Configuration Items (CSCIs). The Contractor shall utilize assigned Government nomenclature, serial numbers, national stock numbers (NSN) in accordance with AFMFAR 5352.204-9001 and AFMFAR 5352.217-9008. Nomenclature assignment shall be in accordance with the CDRL A005 (DI-CMAN-81254A).

The Contractor shall establish, implement, and maintain the methods and procedures for control of changes. Changes to contractual requirements (non-technical) shall be prepared and submitted in accordance with CDRL A001 (DI-ADMN-81401A). Designated baseline technical documents may only be changed as the result of the Government approval in accordance CDRL A002 (DI-CMAN-80639B/T), and A003 (DI-CMAN-80643B). The Contractor shall require subcontractors to provide internal configuration management to the same levels of control the Contractor uses to assure adequacy and accuracy of end item configurations and associated data required by this contract.

The Contractor shall perform a Functional Configuration Audit to verify the configuration items and system's performance against its configuration documentation.

The Contractor shall maintain a data management system to ensure that the data items are electronically submitted on schedule to meet program milestones and that the content complies with requirements of the contract. The data management system shall document tracking and monitoring of data submittals, coordination, changes, and approval status. The Contractor shall provide for a single focal point for data management within the Program Management IPT.

Preparation and data delivery shall be in accordance with the CDRL (DD Form 1423) and Data Item Descriptions (DIDs) (DD Form 1664). The data management system shall include preparation, maintenance and submission of a Data Accession List (DAL) in accordance with the CDRL A010 (DI-MGMT-81453). The Contractor shall require subcontractors to develop and control data according to the same levels of control the Contractor uses to assure adequacy and delivery of data required by this contract. All contractual data and other relevant documentation will be delivered and maintained on

a World Wide Web (WWW) site to ensure optimum communications and information exchange. The preferred data format shall be in Adobe Acrobat.

1.2.3 Product Improvement Management

Product Improvement Management shall be executed by the Program IPT and the sub-tier Systems Engineering and Integration Team (SEIT) to ensure effective and economical continuity within the Contractor's overall business base and within the industry in general. The Contractor shall monitor industry trends and recommend product improvements when these can be identified to improve performance, reliability, operational readiness, cost, schedule, or availability.

1.2.4 Conformance Verification

The Contractor shall invite the Government to witness any performance verification activities identified and defined as contract requirements in the SS. The Contractor shall furnish all necessary equipment, facilities, and manpower (avionics hardware, software emulation tools, technicians' etc.) required to conduct the verification tests and demonstrations. The Contractor shall conduct a set of tests and demonstrations to permit the Government to evaluate and accept Sniper performance. The Contractor will coordinate verification event schedules with the Government and shall provide the scheduled date and location of each verification event or group of events at least thirty (30) days prior to the start of the event. If the Contractor must reschedule an event, the Contractor shall provide notification at least ten (10) days prior to the original event date.

The Contractor shall utilize test/demonstration specifications and test procedures for validation in accordance with Contractor internal policies and procedures. The specifications will include analysis for determining tolerance allocations and failure criteria and will define how individual test results will be correlated with test results from other design validation activities to demonstrate compliance with specified performance requirements. The Contractor will prepare test/demonstration reports in accordance with the Contractor's internal policies and procedures. All conformance verification documentation will be available for Government review at Contractor's facility.

1.2.5 Associate Contractor Agreement

The Contractor shall establish an Associate Contractor Agreement (ACA) with the F-15 aircraft prime contractor and actively support the establishment and control of interface agreements. The Contractor shall submit all source data to the aircraft contractors for all technical manual updates required to integrate Sniper into the weapon system. The Contractor shall provide inputs to the specific aircraft Interface Control Documents (ICDs) as required in accordance with CDRL A004 (DI-CMAN-81248/T). For the F-16, these same responsibilities will be accomplished between the Contractor and the aircraft prime contractor, Lockheed Martin Aeronautics Company in accordance with the

Contractor's corporate policies. Support to the aircraft prime contractor shall be provided throughout the performance period of sections 1.3, 1.4, 1.5 and 1.6 of this SOW.

1.2.6 Pod Software Development

The Contractor shall develop and deliver pod software conforming to the System Specification and the applicable ICD's referenced therein. The pod software shall allow the advanced functions defined by the System Specification to be utilized by the tactical pilot for each of the aircraft referenced in sections 1.3, 1.4, 1.5, and 1.6 of this SOW. In the event the referenced ICD's do not support the Sniper XR advanced functions, the contractor shall define and implement pod software changes allowing these functions to be executable by the pilot without the need for aircraft software changes. All ICD's and associated pod software implementations for the advanced functions shall be approved by the USAF and associate contractors in accordance with section 1.2.5 of this SOW.

1.3 F-16, BLOCK 30 SERIES AIRCRAFT INTEGRATION AND TEST

The Contractor shall co-chair a Block 30 Integration Test Team with USAF, ANG, and AC participation. The Integration IPT shall facilitate coordination to ensure that the system integration allows full performance as identified within this SOW, the SPIs and associated F-16 Block 30 SCU 4.1+ and SCU 5 ICDs. As a facilitator of the Integration IPT, the Contractor shall conduct Test Planning Working Group (TPWG) meetings and support aircraft System Integration Laboratory/Avionics System Integration Facility (SIL/ASIF) integration, simulator, ground and flight testing at USAF flight test sites as coordinated by the Integration IPT. Contractor support to Block 30 aircraft integration and testing will be provided in accordance with Section J, Attachment 6 (IMP) and the Program IMS.

1.3.1 SNIPER Integration and Test

The Contractor shall provide the systems, hardware, software and test engineering effort required to verify interface of the Sniper system to the F-16 Block 30/32 C/D aircraft and ensure Sniper compliance with the Block 30 SCU 4.1+ ICD and the SS. The Activity includes review of baseline Pilot Vehicle Interface (PVI) mechanization, PVI design update, Aircraft Integration Freeze Activities and installed performance analysis review, and Qualification test planning and conduct. The Contractor shall maintain the Sniper internal software to include the interface-to-aircraft software to ensure it meets its assigned functional and performance requirements. The Contractor shall resolve Sniper problems uncovered by these reviews and test. Acceptance Test Procedures shall be submitted in accordance with CDRL A009 (DI-NDTI-80566).

The Contractor will provide two production representative capital pod assets, associated spares and repairs, and Sniper capital engineering test equipment necessary to support the Block 50 SIL and Block 30 ASIF. The pods shall be fully functional including the XR FLIR processing capability with the exception of operational

Laser Marker and Day TV. The Laser Marker and Day TV functions shall be simulated allowing for pilot vehicle interface and aircraft OFP test support. These assets will be provided as needed to support the SIL/ASIF activity in accordance with the IMP/IMS. This equipment shall be provided through IOC on each of the Block 30 and Block 50 aircraft configurations. Ownership of the test assets will be retained by the Contractor.

The Contractor shall provide maintenance and repair of the Contractor owned pods throughout the SIL/ASIF activities. This support shall include, as a minimum, the following:

- a. Repair of failed equipment.
- b. Additional on-site technical support on an as needed basis.
- c. Assistance in analysis of failures and identification of corrective actions.
- d. Spare Parts

The contractor shall conduct a risk mitigation flight test program for the purposes of generating pod flight performance data. The pod performance data shall be compiled by the contractor and summary information reported to the government. The flight test program shall be conducted on a government leased aircraft with all associated costs to be managed by the contractor. The risk reduction flights shall collect at a minimum, FLIR (with XR processing) performance data, transfer alignment data, and if a buddy laser is available, Laser Spot Tracking (LST) performance. The contractor shall attempt to demonstrate the aforementioned capabilities at system specification performance levels.

1.3.2 Avionics Software Integration Facility Test Support

The Contractor shall provide training and support Software Compatibility Qualification Testing to be conducted by the Government at Hill AFB prior to SEEK Eagle or any other qualification tests. The Contractor shall provide adequate technical support personnel to support the duration of the ASIF testing for successful conclusion of the testing within the planned test interval. The Contractor shall provide all pre-test planning and preparations to seamless integration activity. The Contractor shall be responsible for shipping of the capital pod and engineering test equipment to and from the test facility.

1.3.3 SEEK EAGLE Test Support

The Contractor shall provide technical labor required to plan, prepare data and support SEEK EAGLE Flight Qualification Testing to be conducted by the Government prior to the Qualification Flight Tests. Aircraft compatibility tests shall be accomplished on the aircraft, in addition to ground EMI/EMC avionics compatibility checks. The Contractor shall provide the necessary test support and problem resolution to obtain flight clearance. The Contractor shall be responsible for shipping of the pod and support equipment to and from the test facility.

1.3.4 Qualification Test & Evaluation Support

The Contractor shall provide Field Service Engineering (FSE) training and support for flight tests in support of the Sniper certification at the Tucson Test Center in Arizona. The Contractor's support shall include QT&E Flight Readiness Review, bench testing, data analysis, problem identification and resolution, engineering support for any SNIPER equipment integration problems and FSE support at Edwards AFB, CA. . The Contractor shall provide inputs and support to the QT&E test plan, which shall be prepared for all QT&E activities. At the completion of Sniper flight test, the Contractor shall support the preparation of reports documenting the test results. The Contractor shall repair and maintain test assets during Sniper flight tests. The Contractor shall be responsible for shipping of the pod and engineering test equipment to and from the test facility.

1.3.5 Qualification Operational Test & Evaluation Support

The Contractor shall provide Field Service Engineering (FSE) training and support for flight tests in support of the Sniper certification at the Tuscon AATC. The Contractor's support shall include QOT&E Flight Readiness Review, bench testing, data analysis, problem identification and resolution, engineering support for any Sniper equipment integration problems and FSE support at the first Major Operating Base (MOB). The Contractor shall provide inputs and support to the QOT&E test plan, which shall be prepared for all QOT&E activities. At the completion of Sniper flight tests, the Contractor shall support the preparation of reports documenting the test results. The Contractor shall repair and maintain test assets during flight tests. The Contractor shall be responsible for shipping of the pod and engineering test equipment to and from the test facilities.

1.4 F-16, Block 40/50 Series Aircraft Integration and Test

The Contractor shall co-chair a Block 40/50 Integration Test Team with USAF, ANG, and AC participation. The Integration IPT shall facilitate coordination to ensure that the system integration allows full performance as identified within this SOW, the SPIs and associated F-16 Block 40/50 M3+ and M4 ICDs. As a facilitator of the Integration IPT, the Contractor shall support the conduct of Test Planning Working Group (TPWG) meetings and support aircraft SIL/ASIF integration, simulator, ground and flight testing at USAF flight test sites as coordinated by the Integration IPT. Contractor support to Block 40/50 aircraft integration and testing will be provided in accordance with Section J, Attachment 6 (IMP) and the Program IMS.

1.4.1 SNIPER Integration and Test

The Contractor shall provide the systems, hardware, software and test engineering effort required to verify Sniper interface to the F-16 Block 40/50/52 C/D aircraft and ensure Sniper compliance with the Block 50 M3+ and M4 ICDs and the SS. The Activity includes review of baseline Pilot Vehicle Interface (PVI) mechanization, PVI design update, Aircraft Integration Freeze Activities and installed performance analysis review, and support of Qualification test planning and conduct. The Contractor shall maintain the Sniper internal software to include the interface-to-aircraft software to ensure it meets its assigned functional and performance requirements. The Contractor shall resolve Sniper problems uncovered by these reviews and tests. Acceptance Test Procedures shall be submitted in accordance with CDRL A009 (DI-NDTI-80566). In conjunction with the M3+ and M4 activity referenced above, the contractor shall conduct Maverick missile integration activities on the Block 40 avionics configuration.

1.4.2 Software Integration Laboratory Test Support

The Contractor shall provide training and support Software Compatibility Qualification Testing to be conducted by Lockheed Martin Aeronautics at its Ft. Worth Facility. The Contractor shall provide adequate technical support personnel to support the duration

of the SIL testing for successful conclusion of the testing within the planned test interval. The Contractor shall provide all pre-test planning and preparations to seamless integration activity. The Contractor shall be responsible for shipping of the capital pod and engineering test equipment to and from the test facility. In conjunction with the M3+ SIL, the contractor shall support SIL activity with the Block 40 configuration avionics for the purposes of testing the Maverick missile integration capabilities of the Sniper XR system.

1.4.3 SEEK EAGLE Validation/Verification

The Contractor shall provide technical labor required to plan, prepare data and support SEEK EAGLE Flight Qualification Testing to be conducted by the Government at Eglin AFB prior to any other Qualification Flight Tests. Aircraft and EMI/EMC compatibility ground tests shall be accomplished. The Contractor shall provide the necessary test support and problem resolution to obtain flight clearance. The Contractor shall be responsible for shipping of the pod and support equipment to and from the test facility.

1.4.4 Qualification Test & Evaluation Support

The Contractor shall provide Field Service Engineering (FSE) training and support for flight tests in support of the Sniper certification at the USAF AFFTC. The Contractor's support shall include Qualification Test & Evaluations (QT&E) Flight Readiness Review, bench testing, data analysis, problem identification and resolution, engineering support for any Sniper equipment integration problems and FSE support in Edwards AFB, CA. The Contractor shall provide inputs and support to the QT&E test plan, which will be prepared for all QT&E activities. At the completion of Sniper flight test, the Contractor shall support reports documenting the test results. The Contractor shall repair and maintain test assets during Sniper flight tests. The Contractor shall provide Sniper pod training for the AFFTC F-16 pilots. The Contractor shall be responsible for shipping of the pod and engineering test equipment to and from the test facility. In conjunction with the M3+ flight test activity, the contractor shall support QT&E flight test with the Block 40 configuration avionics for the purposes of testing the Maverick missile handoff performance of the Sniper XR system.

1.4.5 Qualification Operational Test & Evaluation Support

The Contractor shall provide Field Service Engineering (FSE) training and support for flight tests in support of the Sniper certification at the AFOTEC located at Nellis AFB, NV. The Contractor's support shall include Qualification Operational Test & Evaluation (QOT&E) Flight Readiness Review, bench testing, data analysis, problem identification and resolution, engineering support for any Sniper equipment integration problems and FSE support at the first MOB. The Contractor shall provide inputs and support to the QOT&E test plan, which shall be prepared for all QOT&E activities. At the completion of Sniper flight tests, the Contractor shall support the generation of reports documenting the test results. The Contractor shall repair and maintain test assets during flight tests.

The Contractor shall be responsible for shipping of the pod and engineering test equipment to and from the test facilities.

1.5 F-15E Aircraft Requirements, Integration and Test Planning

The Contractor shall work with the Government and through its ACA agreement with the Boeing Company to plan the detailed interface definitions and integration requirements and integration plan for integration of the Sniper on the F-15 E aircraft. The plan shall address mechanical, electrical, software and PVI interfaces, AIC integration, and both QT&E and QOT&E flight test verification. The plan will define test assets adequate to perform the integration and test activity.

1.6 F-15E Aircraft Integration and Test

The Contractor shall provide the systems, hardware, software and test engineering effort required to verify interface of the to the F-15E aircraft (Suite 5 OFP) and ensure Sniper compliance with the F-15E ICD's and the SS. The Activity includes review of baseline Pilot Vehicle Interface (PVI) mechanization, PVI design update, support of Aircraft Integration Freeze Activities and installed performance analysis review, and Qualification test planning and conduct. The Contractor shall maintain the Sniper internal software to include the interface-to-aircraft software to ensure it meets its assigned functional and performance requirements. The Contractor shall resolve Sniper problems uncovered by these reviews and test. Contractor support to the F-15E aircraft integration and testing will be provided in accordance with Section J, Attachment 6 (IMP).

1.6.1 Sniper Integration and Test

The Contractor will provide one production representative asset, to be used in conjunction with a Government Furnished Equipment (GFE) Sniper XR pod, associated spares and repairs, and Sniper capital engineering test equipment necessary to support the F-15E integration efforts at the Boeing Company's facility. These assets will be provided as needed to support the Avionics Integration Center (AIC) activity in accordance with the IMP/IMS. This equipment shall be provided through IOC F-15E aircraft configurations. Ownership of the Customer Furnished Equipment (CFE) test assets will be retained by the Contractor.

The Contractor shall provide maintenance and repair of the Contractor owned pods throughout the AIC activities. This support shall include, as a minimum, the following:

- a. Repair of failed equipment.
- b. Additional on-site technical support on an as needed basis.
- c. Assistance in analysis of failures and identification of corrective actions.
- d. Spare Parts

Acceptance Test Procedures shall be submitted in accordance with CDRL A009 (DINDTI-80566).

1.6.2 Software Integration Laboratory Test Support

The Contractor shall support Software Compatibility Qualification Testing to be conducted by the Boeing Company at its St. Louis Avionics Integration Center (AIC) Facility prior to Aircraft Certification or any other qualification tests. The Contractor shall provide adequate technical support personnel to support the duration of AIC testing for successful conclusion of the testing within the planned test interval. The Contractor shall provide all pre-test planning and preparations to seamless integration activity. The Contractor shall be responsible for shipping of the pod and peculiar test equipment to and from the test facility.

1.6.3 Aircraft Certification Test Support

The Contractor shall provide technical labor required to support planning, prepare data and support Aircraft Certification Flight Qualification Testing to be conducted by the Government at Eglin AFB prior to any other Qualification Flight Tests. Software analysis, and physical and compatibility tests shall be accomplished. The Contractor shall provide the necessary test support and problem resolution to obtain flight clearance. The Contractor shall be responsible for shipping of the pod and support equipment to and from the test facility.

1.6.4 Qualification Test & Evaluation Management/Support

The Contractor shall provide Field Service Engineering (FSE) support for flight tests in support of the SNIPER certification at the USAF AFFTC. The Contractor's support shall include Qualification Test & Evaluations (QT&E) Flight Readiness Review, bench testing, data analysis, problem identification and resolution, engineering support for any Sniper equipment integration problems and FSE support in Edwards AFB, CA. The Contractor shall provide inputs and support to the QT&E test plan, which shall be prepared for all QT&E activities. At the completion of Sniper flight test, the Contractor shall support the generation of reports documenting the test results. The Contractor shall repair and maintain test assets during Sniper flight tests. The Contractor shall be responsible for shipping of the pod and engineering test equipment to and from the test facility.

1.6.5 Qualification Operational Test & Evaluation Support

The Contractor shall provide Field Service Engineering (FSE) support for flight tests in support of the Sniper certification at the AFOTEC located at Nellis AFB, NV. The Contractor's support shall include Qualification Operational Test & Evaluation (QOT&E) Flight Readiness Review, bench testing, data analysis, problem identification and resolution, engineering support for any Sniper equipment integration problems and FSE support at the first MOB. The Contractor shall provide inputs and support to the

QOT&E test plan, which shall be prepared for all QOT&E activities. At the completion of Sniper flight tests, the Contractor shall support the generation of reports documenting the test results. The Contractor shall repair and maintain test assets during flight tests. The Contractor shall be responsible for shipping of the pod and engineering test equipment to and from the test facilities.

1.7 Support Equipment

The Contractor shall define Sniper unique support equipment for operating site-level storage, handling and transport of Sniper pods and Line Replaceable Units (LRUs); removal and installation of pods from the aircraft; and removal and replacement of LRUs from pods. Sufficient equipment shall be provided to support the operational availability requirements. The Contractor shall identify and recommend the details of this equipment through submission CDRL A008, Logistics Management Information Summaries (DI-ALSS-81530/T). Organization level support equipment shall be documented in accordance with CDRL A012 (DI-DRPR-81000A/T). The Contractor shall record and prepare minutes of the Engineering Data Guidance Conference in accordance with CDRL A022 (DI-ADMIN-81250A). A portable maintenance aid (PMA) shall be provided to interface with the pods when removed from the aircraft. The PMA shall display the pod's BIT diagnostics for maintenance off aircraft.

1.7.1 STORAGE STANDS

The O-level support equipment required for the Sniper pod will include storage stands and existing F-16 support equipment. The Contractor shall provide two (2) storage stands to be utilized on the flight line or other unprotected storage facility to allow easy transfer of pods and to facilitate loading/off-loading of the pod. The stand shall provide access for the replacement of all LRUs and for appropriate fault analysis.

1.7.2 PORTABLE MAINTENANCE AIDS

The O-level support equipment useful for supporting the Sniper pod will include Portable Maintenance Aids (PMA's). The Contractor shall provide one (1) PMA to be utilized on the flight line or other unprotected storage facility to enhance organization level maintenance activities. The Contractor shall provide two (2) PMA for each war-time contingency spares pack provided.

1.8 SHIPPING CONTAINERS

The Contractor shall deliver reusable shipping containers which shall be documented in accordance with CDRL A012 (DI-DRPR-81000A/T). Shipping container test results shall be document in accordance with CDRL A013 (DI-NDTI-80809B/T). Specific container requirements shall be screened against the Container Design Retrieval System (CDRS) in accordance with CDRL A014 (DI-PACK-80683A) prior to container design. The Contractor shall pack and ship Sniper and the shipping containers in compliance with AFMC Form 158. The Contractor shall provide associated packaging

documentation in accordance with the CDRL A015 (DI-PACK-80120B/T) and CDRL A016 (DI-PACK-80121B/T).

1.8.1 Pod Containers

The Contractor shall provide reusable shipping containers for the SNIPER pods at a monthly rate as required to support the IDIQ structure. The containers shall be delivered with the Sniper to aid in the maintenance, storage and shipment of the pod to and from each site.

1.8.2 LRU Containers

The Contractor shall procure and deliver reusable shipping containers for the Spares provisioning for each of the activated sites at a monthly rate as required to support the IDIQ structure. The containers shall be delivered with the spares applicable to 2.1.5 and 2.2.5 of this SOW, for each site.

1.9 Technical Data

Where exercised by the Government, the Contractor shall provide technical data under the "A" and "B" Series CDRLs.

1.10 Interim Contractor Support (ICS)

The Contractor shall plan, schedule and coordinate the introduction of Sniper assets into the operational environment in close cooperation with the Government. An Interim Contractor Support Plan shall be developed to implement depot support for early production units. The ICS plan will utilize the production facilities and minimize investment commitment. ICS planning tasks includes spares support, support for deployment and contingencies, technical data, support equipment, warranty implementation, and depot repair.

1.10.1 Total System Support Responsibility (TSSR)

The Contractor shall maintain Total System Support Responsibility (TSSR) for the Sniper following the guidelines of AFI-10-602 for the ten (10) elements of Air Force Logistics Management. The Contractor shall develop and track support system metrics such as repair turn time and parts availability. The metrics shall be used to assess the sustainment of the Sniper, ground support systems, operations and maintenance, and supply chain. Corrective actions will be developed, as required, including updates to systems engineering data, technical data, and the implemented support concept. In addition, with specific regard to parts obsolescence each subcontractor will be required to provide advance notification and full disclosure of any event, financial or other, and any occurrence, technological or other, that will impact on the continuous flow of the materials purchased under the subcontract. TSSR shall include the project

management, item management, production control, two-way repair transportation, inventory of spares and repair material, sustaining hardware and software engineering, financial management, contract management, logistics management, configuration control, provisioning, and quality control functions during the ICS period of performance.

1.10.2 Maintenance

The contractor shall provide all resources required to perform depot repair of Sniper hardware during the ICS period of performance. The contractor shall maintain sufficient LRU/SRU spares, repair material, and shipping containers to implement ICS.

1.11 CID Incorporation

The Contractor shall perform an analysis showing the compliance of the CID performance to the System Specification. The analysis shall be documented and delivered to the USAF for approval. The report shall include pod level test criteria along with recommended acceptance test procedures necessary for verifying the field retrofit capability of the pod. Pod level performance of these parameters shall be acceptance tested on each delivered pod per USAF approved acceptance test procedures.

2.0 Sustainment Support (O-Level)

The Contractor shall provide a single point of contact for supportability and Integrated Logistics Support (ILS) data and management. An ILS program shall be implemented and maintained identifying tasks, schedule and organizations involved in the performance of support program tasks. The Contractor shall provide support and present ILS status and issues at PMRs, ILSMTs, TIMs, design reviews, and program reviews.

The Contractor shall maintain TSSR for the Sniper. The Contractor shall develop and track support system metrics such as repair turn time and parts availability. The metrics shall be used to assess the sustainment of the Sniper, ground support systems, operations and maintenance, and supply chain. Corrective actions will be developed, as required, including updates to systems engineering data, technical data, and the implemented support concept.

2.1 United States Air Force (Active Duty)

The Contractor shall provide for site activation services and organizational level support resources for 10 (ten) United States Air Force Squadrons.

2.1.1 Maintenance

The Contractor shall plan and implement a two-level support concept for the Sniper that is compliant with the requirements of the SS.

An organizational level maintenance plan shall identify the training requirements, facility requirements, hazardous material list, skill level, tool requirements, repair parts and consumables, and support equipment needed for organizational level maintenance activities. The plan shall include contingencies for operational surges.

The Contractor shall develop and provide the system support package required for activation of an organizational operating site.

The Contractor shall prepare a comprehensive plan for supporting site activation to include maintenance concept, a spares list and a description of the methodology used to determine the range/depth of spares required, a description of all required support equipment for organizational level repair, and a list of effected tech orders. The plan shall be developed in accordance with CDRL A019 (DI-ILSS-81225/T).

The Contractor shall coordinate delivery of the site activation resources and provide an on-site technical representative for initial training and maintenance in accordance with the site activation plan. Site activation of USAF CONUS and OCONUS locations shall be provided per the IDIQ structure.

The following Site Activation Criteria shall be satisfied to complete this activity:

- All Sniper equipment is in place, ready for use at the determined site activation point including:
- Eight pod systems (pods, storage stands, pod to pylons, technical manuals) at each location.
- O-Level Support Equipment is in place, operational and crew(s) fully trained, and the SNIPER can be maintained with O-Level SE.
- Two (2) shipping containers for use in rainbowing equipment.
- Range and depth of spares necessary to maintain pod availability.
- All required pilots and ground crews are trained and capable of sustaining air operations.
- Contractor not involved in any O-level operations.
- Availability requirements are met over a 30-day Site Activation mission readiness period to include the following IOC scenarios
- Normal operations
- Deployment
- Contingencies

2.1.2 Sustaining Engineering

The Contractor shall provide sustained engineering support at the Contractor's facility to assure the continued producibility and supportability of the Sniper system.

2.1.3 Data

The Contractor shall provide source data for Flight and Organizational Level Maintenance manuals to incorporate Sniper specific procedures. The data shall include:

- Air Crew data
- Organizational Level maintenance data
- Pod loading and handling procedures
- SE technical data

The Contractor shall validate data by review, analysis, or physical performance prior to delivery to the Government for use during operational test and evaluation. The Government and/or a user representative, as available, may witness the validation activity. Validation activities will be scheduled to provide sufficient time for incorporation of comments prior to the next required delivery. The Contractor shall provide Technical Manuals and notices in accordance with CDRL A017 (TMCR-86-01H) and CDRL A018 (DI-TMSS-80067B/T).

2.1.4 Training

The Contractor shall provide aircrew and maintenance training for USAF personnel. The training shall include theory operation, equipment description, BIT operation and results, and flight line maintenance. Training documentation shall be provided as specified in CDRLs A020 and A021 (DI-ILSS-80872/T).

Aircrew Training Materials Source data shall be provided for integration in the F-16 operator training courses. Material shall include theory operation, equipment description, and BIT operation and results.

Maintainer Training Materials Organizational Level maintenance course materials for the SNIPER shall be developed. The course material will cover installation, removal, LRU R&R, and BIT operation and troubleshooting.

2.1.5 Spares

The Contractor shall deliver the LRU site spares and repair material required to achieve the warranted system availability.

2.2 Air National Guard

The Contractor shall provide for site activation services and organizational level support resources for 9 (nine) United States Air National Guard Squadrons.

2.2.1 Maintenance

The Contractor shall plan and implement a two-level support concept for the Sniper that is compatible with the requirements of the SS.

An organizational level maintenance plan shall identify the training requirements, facility requirements, hazardous material list, skill level, tool requirements, repair parts and consumables, and support equipment needed for organizational level maintenance activities. The plan shall include contingencies for operational surges.

The Contractor shall develop and provide the system support package required for activation of an organizational operating site.

The Contractor shall prepare a comprehensive plan for supporting site activation to include maintenance concept, a spares list and a description of the methodology used to determine the range/depth of spares required, a description of all required support equipment for organizational level repair, and a list of effected tech orders. The plan shall be developed in accordance with CDRL A019 (DI-ILSS-81225/T).

The Contractor shall coordinate delivery of the site activation resources and provide an on-site technical representative for initial training and maintenance in accordance with the site activation plan. Site activation of USANG CONUS locations shall be provided to support the IDIQ structure.

The following Site Activation Criteria shall be satisfied to complete this activity:

- All Sniper equipment is in place, ready for use at the determined site activation point including:
- Eight pod systems (pods, storage stands, pod to pylons, technical manuals) at each location.
- O-Level Support Equipment is in place, operational and crew(s) fully trained, and the Sniper can be maintained with all O-Level SE.
- Two (2) shipping containers for use in rainbowing equipment.
- Range and depth of spares necessary to maintain pod availability.

- All required pilots and ground crews are trained and capable of sustaining air operations.
- Contractor not involved in any O-level operations.
- Availability requirements are met over a 30-day Site Activation mission readiness period to include the following IOC scenarios
- Normal operations
- Deployment
- Contingencies

2.2.2 Sustaining Engineering

The Contractor shall provide sustained engineering support at the Contractor's facility to assure the continued producibility and supportability of the Sniper system.

2.2.3 Data

The Contractor shall provide source data for Flight and Organizational Level Maintenance manuals to incorporate Sniper specific procedures. The data shall include:

- Air Crew data
- Organizational Level maintenance data
- Pod loading and handling procedures
- SE technical data

The Contractor shall validate data by review, analysis, or physical performance prior to delivery to the Government for use during operational test and evaluation. The Government and/or a user representative, as available, may witness the validation activity. Validation activities will be scheduled to provide sufficient time for incorporation of comments prior to the next required delivery. The Contractor shall provide Technical Manuals and notices in accordance with CDRL A017 (DI-TMSS-80067B/T) and CDRL A018 (DI-ILSS-81225/T).

2.2.4 Training

The Contractor shall provide aircrew and maintenance training for USANG personnel. The training shall include theory operation, equipment description, BIT operation and results, and flight line maintenance. Training documentation shall be provided as specified in CDRLs A020 (DI-ILSS-80872/T) and A021 (DI-ILSS-80872/T).

Aircrew Training Materials Source data shall be provided for integration in the F-16 operator training courses. Material shall include theory operation, equipment description, and BIT operation and results.

Maintainer Training Materials Organizational Level maintenance course materials for the Sniper shall be developed. The course material will cover installation, removal, LRU R&R, and BIT operation and troubleshooting.

2.2.5 Spares

The Contractor shall deliver the LRU site spares and repair material required to achieve the warranted system availability.

3.0 Sustainment Support (Long Term)

The Contractor shall provide a long-term depot sustainment program based on the results of the SORAP and the executed CLIN options. The resulting depot can be totally Contractor Logistic Support (CLS), totally organic, or a depot partnership.

3.1 CLS Support

The Contractor shall implement CLS for the total depot support effort. The CLS effort shall be tailored by the Depot Plan. The CLS service will be exercised in FY 05 for performance during CY 05 and continue per the Depot Plan.

3.1.1 TSSR

The Contractor shall maintain Total System Support Responsibility (TSSR) for the Sniper following the guidelines of AFI-10-602 for the ten (10) elements of Air Force Logistics Management. The Contractor shall develop and track support system metrics such as repair turn time and parts availability. The metrics shall be used to assess the sustainment of the Sniper, ground support systems, operations and maintenance, and supply chain. Corrective actions will be developed, as required, including updates to systems engineering data, technical data, and the implemented support concept. In addition with specific regard to parts obsolescence each subcontractor will be required to provide advance notification and full disclosure of any event, financial or other, and any occurrence, technological or other, that will impact on the continuous flow of the materials purchased under the subcontract. TSSR shall include the project management, item management, production control, two-way repair transportation,

inventory of spares and repair material, sustaining hardware and software engineering, financial management, contract management, logistics management, configuration control, provisioning, and quality control functions during the CLS period of performance.

3.1.2 Warranty

The Contractor shall implement and administer a warranty program which shall ensure ATP availability in accordance with SS. The Contractor shall review, analyze and categorize failures, develop a database for failure tracking and procurement to recommend and implement product and process updates which improve the ATP availability without compromise to other performance parameters. The Sustainment IPT shall ensure implementation of required warranty operations at subcontractors' locations.

The Contractor shall implement a warranty data collection effort for operating hours and equipment failures to assess the ATP availability. Availability is calculated using the Air Force RAMPOD system.

3.1.3 Maintenance

The contractor shall provide depot level repair services for the period of performance. The repair services will include repair, personnel training, SE and SE maintenance, facilities maintenance, technical data maintenance, software maintenance, technical orders, and quality control.

3.2 Organic Repair Stand-up

The Contractor shall provide data to support the government Source of Repair Assignment Process (SORAP), shall participate in SORAP Working Group meetings, and shall provide documentation in accordance with CDRL A007 (DI-ATTS-80041A/T). The Contractor shall prepare and submit a Depot Maintenance Cost Report in accordance with CDRL A006 (DI-FNCL-80462/T).

The contractor shall provide the training, data, and equipment to establish organic depot repair for the line items selected in the execution of CLIN 0017, based on the SORAP decision.

Logistics Management Information (LMI) summaries will be developed in accordance with CDRL B007 (DI-ALSS-81529). Supplemental data for provisioning shall be provided as specified by CDRL B006 (DI-ALSS-81557).

3.2.1 Depot Tech Orders

The Contractor shall provide Depot Technical Manuals in commercial formats in accordance with CDRL B010 (TMCR-86-01H Tailored). Conference minutes in accordance with CDRL B011 (DI-ADMIN-81250A) shall be provided to document the results of the TO guidance, planning, and review meetings.

3.2.2 Training

The contractor shall prepare depot training materials and provide initial training services for the selected repairable line items in accordance with CDRL B009 (DI-ILSS-80872/T).

3.2.3 Test Requirements Documents

The Contractor shall submit Test Requirements Documents (TRDs) in accordance with CDRL B005 (DI-ATTS-80041A). The TRDs shall be delivered for each repairable assembly (LRU, SRU, CCA and/or Module).

3.2.4 Unique Support Equipment

The Contractor shall define and produce Sniper unique depot support equipment for repair of each Sniper LRU. Calibration and measurement requirements shall be defined and documented in accordance with CDRL B008 (DI-QCIC-80278A).

3.2.5 TSSR

The Contractor shall maintain Total System Support Responsibility (TSSR) for the Sniper following the guidelines of AFI-10-602 for the ten (10) elements of Air Force Logistics Management. The Contractor shall develop and track support system metrics such as repair turn time and parts availability. The metrics shall be used to assess the sustainment of the Sniper, ground support systems, operations and maintenance, and supply chain. Corrective actions will be developed, as required, including updates to systems engineering data, technical data, and the implemented support concept. In addition with specific regard to parts obsolescence each subcontractor will be required to provide advance notification and full disclosure of any event, financial or other, and any occurrence, technological or other, that will impact on the continuous flow of the materials purchased under the subcontract. TSSR shall include the project management, item management, production control, two-way repair transportation, inventory of spares and repair material, sustaining hardware and software engineering, financial management, contract management, logistics management, configuration control, provisioning, and quality control functions during the Organic depot repair period of performance.