CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB NO. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM X OTHER ____
0005AC, 0020AC	C	

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
HARD TARGET SMART FUZE	F08626-98-C-0010	TBD

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
C001	TECHNICAL MANUALS	AF TECHNICAL ORDERS

4. AUTHORITY (DATA ACQUISITION DOC NO.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
TMCR 86-01/T	SOO PARA 4.8	WMGH-L

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQ	12. DATE OF FIRST SUB
DD	D	ASREQ	ASREQ
8. APP CODE		**11. AOD**	**13. DATE OF SUBSEQ SUB**
A			ASREQ

16. REMARKS

BLK 4: THE CONTRACTOR SHALL DELIVER THE HTSF SYSTEM TECHNICAL ORDERS IN ACCORDANCE WITH (IAW) THE AF TECHNICAL MANUAL CONTRACT REQUIREMENTS (TMCR) DOCUMENT THAT IS ATTACHED.

BLK 7: DD 250 REQUIRED FOR FINAL SUBMITTAL ONLY.

BLK 8: GOVERNMENT APPROVAL REQUIRED TO ENSURE FORMAT/CONTENT OF DATA IS COMPREHENSIVE FOR TECHNICIANS. APPROVAL DUE 45 DAYS AFTER RECEIPT. RESUBMITTAL, IF REQUIRED, DUE 30 DAYS AFTER RECEIPT OF GOVERNMENT COMMENTS.

BLKS 10, 12, 13: ALL SUBMITTALS ARE DUE AS PER TABLES IN SECTION 2 OF TMCR 86-01.

BLK 14: DELIVERY OF DATA IN A DIGITAL MEDIA SHALL BE IN ACCORDANCE WITH THE MAGNETIC MEDIA REQUIREMENTS. ADDITIONAL DISTRIBUTION DUE AS PER TABLES IN SECTION 2 OF TMCR 86-01.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
ASC/WMGH-L	0	1	0
-M	0	LT	0
-D	0	LT	0
WMGK	0	LT	0
NAWC-WD 471E00D	0	1	0
NAWC-WD 471V00E	0	1	0
ACO	0	LT	0
15. TOTAL ---->		3	

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE

17. PRICE GROUP	18. ESTIMATED TOTAL PRICE

DD Form 1423-1, JUN 90 (COMPUTER GENERATED) Previous editions are obsolete

Air Force Technical Manual Contract Requirements (TMCR)
for
HARD TARGET SMART FUZE

CDRL SEQUENCE NUMBER C001 EXHIBIT C
REQUEST FOR PROPOSAL/CONTRACT: F08626-98-C-0010
Date: 2 FEB 98
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 HTSF program's CALS implementation strategy as documented in the Magnetic Media 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/to-system. html. 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, source data, and TO updates (Table 1) required to support the HTSF 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 MMR.

3. DELETED

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. **NOTE**: Tailoring must not change or delete mandatory requirements which are part of the DTD structure. The tailoring is recorded in SIRs and added to Section 3 of this document. Some Joint-Service TMSS have service-related options; AF options 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 HTSF TOMA MSgt David James, ASC OL/WMGH, 102 West D Ave, Eglin AFB, FL, 32542. Phone number (850) 882-8368 ext. 2159. Approved recommendations, corrections and clarifications will be maintained with contract documentation.

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) and the JCALS JTMS. (**NOTE:** This can be assured by using 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 Det 2 ESC/AV-2 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. DELETED

8. Data Rights. Government rights in data are specified in the Defense Federal Acquisition Regulation Supplement (DFARS), paragraphs 227-7013 through 227-7015, located in section 3 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/AFI 31-401, DODD 5230.24/AFI 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 methods include actual performance for procedures and desk-top analysis for non-procedural data. Simulation should be reserved for those procedures which would activate explosive devices or present a hazard to personnel or equipment. **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. Offerors' proposals should describe how the government will be allowed to interact with the contractor's TO development team.

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 Pre-publication 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; writers and /or engineers as required to solve problems during verification, furnish all production configured assets, program specific support equipment.

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. 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).

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.

SECTION 2. TM TYPE AND DELIVERY REQUIREMENTS

TABLE 1

TM TYPE REQUIREMENTS FOR HTSF

	TITLE OR TYPE	FORMAT GUIDANCE	REVIEW COPY DELIVERY/EVENT	REQUIRED DELIVERY	TYPE OF DELIVERY	DELIVERY MODE/MEDIA
1.	WEAPONS-DELIVERY SOURCE DATA PACKAGE	MIL-STD-38784	60 DAYS PRIOR TO IPR	IAW THE HTSF IMP	SOURCE DATA	PROPOSE BY OFFEROR
2.	NON-NUCLEAR MUNITIONS LOADING STD. SOURCE DATA PACKAGE	MIL-PRF-9977K	60 DAYS PRIOR TO IPR	IAW THE HTSF IMP	SOURCE DATA	PROPOSE BY OFFEROR
4.	EOD SOURCE DATA PACKAGE	DI-SAFT-80931A	60 DAYS PRIOR TO EXPLOSIVELY LADEN ASSET DELIVERY	IAW THE HTSF IMP	SOURCE DATA	PROPOSE BY OFFEROR
5.	TECHNICAL DATA FOR MUNITIONS	DI-SAFT-80182B	60 DAYS PRIOR TO ASSET DELIVERY *(ASSETS STORED AND HANDLED BY GOVT. PERSONNEL)*	IAW THE HTSF IMP	PRE-LIMINARY MANUAL TYPE	PROPOSE BY OFFEROR
6.	OPERATIONS & MAINT-ENANCE INST-RUCTIONS MANUAL WITH IPB	MIL-PRF-87929B APPENDIX "I"	60 DAYS PRIOR TO IPR	IAW THE HTSF IMP	MANUAL	PROPOSE BY OFFEROR
7.	STANDARD PRACTICE FOR MANUALS	MIL-STD-38784	60 DAYS PRIOR TO IPR	IAW THE HTSF IMP	MANUAL	PROPOSE BY OFFEROR

* 11A-1-46 COMPLETE ROUND T.O.
11A-1-63 RAPID BOMB BUILD-UP PROCEDURES
11K31-2-7 JOINT DIRECT ATTACK MUNITION STORAGE AND MAINTENANCE PROCEDURES

SECTION 3. SPECIFICATION/STANDARD INTERFACE RECORDS (SIRS)

THIS SECTION DELETED

SEQUENCE NUMBER	DID/TITLE SOW PARAGRAPH	PAGE NO.
EXHIBIT C		
COO1	TM-86-01F Technical Manual Contract Requirements (TMCR)	