

CONTRACTOR DATA REQUIREMENT LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

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

A. CONTRACT LINE ITEM NO.	B. EXHIBIT A	C. CATEGORY: TDP _____ TM _____ OTHER _____ MISC _____
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D. SYSTEM/ITEM NPOESS CONCEPT VAL	E. CONTRACT/PR NO.	F. CONTRACTOR TO BE DETERMINED
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1. DATA ITEM NO. A008	2. TITLE OF DATA ITEM CONTRACT WORK BREAKDOWN STRUCTURE (CWBS)	3. SUBTITLE
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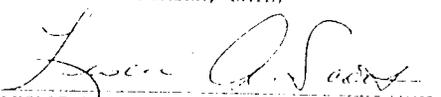
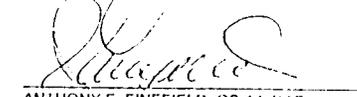
4. AUTHORITY (Data Acquisition Document No.) DI-MGMT-81334/T	5. CONTRACT REFERENCE	6. REQUIRING OFFICE ADA
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7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED C	10. FREQUENCY BLK 16	11. AS OF DATE BLK 16	12. DATE OF FIRST SUBMISSION BLK 16	13. DATE OF SUBSEQUENT SUBMISSION BLK 16	14. DISTRIBUTION a. ADDRESSEE NPOESS (DMO)	b. COPIES		
8. APP CODE						Draft	Final		
							Reg	Repro	

16. REMARKS 4 (cont) The Work Breakdown Structure and Dictionary shall be prepared and submitted for approval, reflecting the WBS outlined in the Contractor Cost Data Reporting Plan (CCDRP) in attachment 1. The initial submission will highlight the contractor's suggested top 10 cost and schedule drivers as required in the Cost Performance Report. 10,11,12,13 (cont) Initial submission shall be 60 calendar days after contract award. Revision pages to the approved CWBS and Dictionary shall be submitted 30 CD following any changes. *Distribution shall be one file transferred via the NPOESS Electronic Bulletin Board (E�BB) Letter of transmittal (LT) to NPOESS (DMO) on each submittal.	15. TOTAL ----->	000	001	000
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17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
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CONTRACTOR COST DATA REPORTING PLAN		1. PROGRAM NPOESS			2. (X) CAT I () CAT II		3. (X) INITIAL SUBMISSION () CHARGE REQUEST		4. (X) PROGRAM WBS () CONTRACT WBS										
5. DATA AS OF 02 OCT 95		6. REVIEW & REFERENCE NO.		7. REPORT DATE 02 OCT 95		8. PREPARED BY (Org. Name, Office Symbol, Address) MAJ L. SCOTT, SMC/CIP LAAFB CA 90245			9. DATA STORAGE LOCATION SMC/CIP LAAFB CA 90245										
10.	11.	12.			13.	14.	15.	16. PROGRAM TOTALS		17. REPORT FREQUENCY									
Line NO.	NBS Level	REPORTING ELEMENTS			PROG CODE	Contractor	Contract Type	RD&E	PROCUREMENT	DD FORM 1921		DD FORM 1921		DD 1921	DD 1921	CFSR	CPR		
								UNITS	COST (\$M)	UNITS	COST (\$M)	C	P	C	P	2	3		
1	1	NPOESS			1.00				0	0									
2	2	LAUNCH VEHICLE SEGMENT (Reserved)			1.01														
3	2	SATELLITE SEGMENT			1.02														
4	3	SATELLITE INTEGRATION, ASSY, TEST & C/O			1.02.1														
5	3	SPACECRAFT BUS			1.02.2														
6	4	SPACECRAFT BUS IAT&C/O			1.02.2.1														
7	4	STRUCTURES & MECH ASSEMBLIES SUBSYSTEM (SMAS)			1.02.2.2														
8	4	ATTITUDE DETERMINATION & CNTRL SUBSYSTEM (ADCS)			1.02.2.3														
9	4	THERMAL CONTROL SUBSYSTEM (TCS)			1.02.2.4														
10	4	ELECTRICAL POWER SUBSYSTEM (EPS)			1.02.2.5														
11	4	TELEMETRY AND COMMAND SUBSYSTEM (TACS)			1.02.2.6														
12	4	COMMAND AND DATA HANDLING SUBSYSTEM (CDHS)			1.02.2.7														
13	5	CDHS HARDWARE			1.02.2.7.1														
14	5	CDHS SOFTWARE			1.02.2.7.2														
15	4	PROPULSION SUBSYSTEM (PS)			1.02.2.8														
16	3	PAYLOAD I...n			1.02.3														
17	4	PAYLOAD I...n HARDWARE			1.02.3.1														
18	4	PAYLOAD I...n SOFTWARE			1.02.3.2														
19	2	COMMAND, CONTROL & COMM. SEGMENT (C3S)			1.03														
20	3	C3S INTEGRATION, ASSEMBLY, TEST & C/O			1.03.1														
21	3	COMMAND & CONTROL			1.03.2														
22	4	PRIMARY SATELLITE OPS CENTER (SUITLAND)			1.03.2.1														
23	4	BACKUP SATELLITE OPS CENTER (FALCON)			1.03.2.2														
24	4	COMMON SOFTWARE			1.03.2.3														
25	4	TRACKING STATIONS I...n			1.03.2.4														
26	3	DATA ROUTING & RETRIEVAL (DRR)			1.03.3														
27	3	FLIGHT VEHICLE SIMULATOR (FVS)			1.03.4														
28	2	INTERFACE DATA PROCESSOR SEGMENT (IPDS)			1.04														
29	3	IPDS INTEGRATION, ASSEMBLY, TEST & C/O			1.04.1														
30	3	ENVIRONMENTAL DATA RECORD ALGORITHMS			1.04.2														
31	3	CENTRALS			1.04.3														
32	4	COMMON SOFTWARE			1.04.3.1														
33	4	NESDIS			1.04.3.2														
34	4	AFGWC			1.04.3.3														
35	4	FMOC			1.04.3.4														
36	4	AFSFC 50th SUPPORT WING			1.04.3.5														
37	4	EUMETSAT			1.04.3.6														
38	3	REGIONAL ELEMENTS			1.04.4														
18. PREPARED BY (NAME, GRADE, OFFICE SYMBOL, PHONE NUMBER, DATE)					19. COMMAND CONCURRENCE			20. SERVICE FOCAL POINT CONCURRENCE			21. CATG APPROVAL DATE								
 LESLIE M. SCOTT, MAJ, SMC/CIP (310) 336-4588, 10/03/95					 ANTHONY E. FINEFIELD, GS-14, DAF SMC FIELD COMMAND FOCAL POINT (310) 353-1073 10/4/95														

CONTRACTOR COST DATA REPORTING PLAN			1. PROGRAM	2.		3.		4.							
			NPOESS	(X) CAT I () CAT II		(X) INITIAL SUBMISSION () CHANGE REQUEST		(X) PROGRAM WBS () CONTRACT WBS							
5. DATA AS OF		6. REVIEW & REFERENCE NO.		7. REPORT DATE		8. PREPARED BY (Orig. Name, Office Symbol, Address)				9. DATA STORAGE LOCATION					
02 OCT 95				02 OCT 95		MAJ L. SCOTT, SMC/CIP LAAFB CA 90245				SMC/CIP LAAFB CA 90245					
10.	11.	12.	13.	14.	15.	16. PROGRAM TOTALS				17. REPORT FREQUENCY					
Line No.	WBS Level	REPORTING ELEMENTS	PROG CODE	Contractor	Contract Type	UNITS	RDI&E COST (\$M)	PROCUREMENT UNITS	COST (\$M)	DD FORM 1921		CDR FORMS 1921-1		CFSR	CPR
										C	P	C	P	2	3
39	4	COMMON SOFTWARE	1.04.4.1												
40	4	ELEMENTS I...	1.04.4.2												M
41	2	SYSTEM ENGINEERING/PROGRAM MANAGEMENT	1.05												M
42	2	SYSTEM TEST & EVALUATION	1.06							CC					M
43	3	DEVELOPMENTAL TEST & EVALUATION (DT&E)	1.06.1							CC					M
44	3	OPERATIONAL TEST & EVALUATION (OT&E)	1.06.2												M
45	3	MOCKUPS	1.06.3												M
46	3	TEST FACILITIES (DEM/VAL)	1.06.4												M
47	3	TEST & EVALUATION SUPPORT	1.06.5												M
48	2	SYSTEM TRAINING	1.07												M
49	3	SPACE SEGMENT TRAINING	1.07.1							CC					M
50	3	C3 SEGMENT TRAINING	1.07.2												M
51	3	IPD SEGMENT TRAINING	1.07.3												M
52	2	PECULIAR SUPPORT EQUIPMENT (PSE)	1.08												M
53	3	SPACE SEGMENT PSE	1.08.1							CC					M
54	3	C3 SEGMENT PSE	1.08.2												M
55	3	IPD SEGMENT PSE	1.08.3												M
56	3	LAUNCH SUPPORT PSE	1.08.4												M
57	2	COMMON SUPPORT EQUIPMENT (CSE)	1.09												M
58	3	SPACE SEGMENT CSE	1.09.1							CC					M
59	3	C3 SEGMENT CSE	1.09.2												M
60	3	IPD SEGMENT CSE	1.09.3												M
61	3	LAUNCH SEGMENT CSE	1.09.4												M
62	2	FLIGHT SUPPORT OPS & SERVICES	1.10												M
63	3	SATELLITE MATE/CHECKOUT/LAUNCH	1.10.1							CC					M
64	3	ON-ORBIT SUPPORT	1.10.2												M
65	3	LAUNCH SITE REFURBISHMENT	1.10.3												M
66	2	STORAGE	1.11												M
67	2	INDUSTRIAL FACILITIES (Reserved)	1.12							CC					M
68	2	INITIAL SPARES AND REPAIR PARTS	1.13												M
69	3	SPACE SEGMENT	1.13.1							CC					M
70	3	C3 SEGMENT	1.13.2												M
71	3	IPD SEGMENT	1.13.3												M
72	2	OPERATIONS & SUPPORT (O&S)	1.14												M
73	3	SPACE SEGMENT	1.14.1												
74	3	C3 SEGMENT	1.14.2												
75	4	COMMAND AND CONTROL SEGMENT (C2S)	1.14.2.1												
76	4	DRR SEGMENT	1.14.2.2												

CONTRACTOR COST DATA REPORTING PLAN			1. PROGRAM NPOESS			2. (X) CAT I () CAT II		3. (X) INITIAL SUBMISSION () CHANGE REQUEST		4. (X) PROGRAM WBS () CONTRACT WBS								
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Line No.	WBS Level	REPORTING ELEMENTS	PROG CODE	Contr-actor	Contract Type	UNITS	RDT&E COST (\$M)	PROCUREMENT COST (\$M)	UNITS	COST (\$M)	DD FORM 1921 C P		CCDR FORMS 1921-1 C P		DD 1921 2	DD 1921 3	CFSR	CPR
77	4	FVS SEGMENT	1.14.2.3															
78	3	IPD SEGMENT	1.14.3															
79	4	EDR ALGORITHM MAINTENANCE	1.14.3.1															
80	4	CENTRALS MAINTENANCE	1.14.3.2															
81	4	REGIONAL ELEMENT MAINTENANCE	1.14.3.3															

DATA ITEM DESCRIPTION

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

<p>1. TITLE</p> <p style="text-align: center;">CONTRACT WORK BREAKDOWN STRUCTURE</p>		<p>2. IDENTIFICATION NUMBER</p> <p style="text-align: center;">DI-MGMT-81334</p>	
<p>3. DESCRIPTION/PURPOSE</p> <p>3.1 This documents the Contract Work Breakdown Structure (CWBS) and its extension by the contractor using terminology and definitions, as applicable, in MIL-STD-881. The complete Work Breakdown Structure (WBS) will serve as a basis for program and technical planning, scheduling, cost estimating, resource allocations, performance management, configuration management, and status reporting.</p>			
<p>4. APPROVAL DATE (YYMMDD) 930325</p>	<p>5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)</p> <p style="text-align: center;">D/PA&E/RA</p>	<p>6a. DTIC APPLICABLE</p>	<p>6b. GIDEP APPLICABLE</p>
<p>7. APPLICATION/INTERRELATIONSHIP</p> <p>7.1 This Data Item Description (DID) contains the format and content preparation instructions for the WBS to be submitted by the contractor, as required, by the work task described in 5.4.1.1 of MIL-STD-881.</p> <p>7.2 This DID is applicable to all contracts requiring a WBS.</p> <p style="text-align: right;">(Continued on Page 2)</p>			
<p>8. APPROVAL LIMITATION</p>	<p>9a. APPLICABLE FORMS</p>	<p>9b. AMSC NUMBER</p> <p style="text-align: center;">AMSC D6915</p>	
<p>10. PREPARATION INSTRUCTIONS</p> <p>10.1 <u>Reference document.</u> The applicable issue of the documents cited herein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.</p> <p>10.2 <u>Specific instructions.</u> The CWBS shall be reflected in a report which consists of two parts. Part I is an index, and Part II is a dictionary.</p> <p>10.2.1 <u>Part I - Contract Work Breakdown Structure Index.</u> The CWBS shall contain the data elements as shown in the attached Part I sample format.</p> <p style="margin-left: 40px;">a. <u>Line number.</u> Enter line number for each CWBS. Line numbers should be sequential starting with 1.</p> <p style="margin-left: 40px;">b. <u>CWBS element.</u> Enter the title of the CWBS element (using the specific name or nomenclature, when applicable), intended to reflect the level. Level 1 is the total contract. Levels 2, 3, etc., are successively lower levels of the program.</p> <p style="margin-left: 40px;">c. <u>CWBS code.</u> Enter the CWBS code, if applicable.</p> <p style="margin-left: 40px;">d. <u>Contract line item(s).</u> Enter the number of the contract line item(s) which is (are) associated with the CWBS element, if applicable. (Continued on Page 2)</p>			
<p>11. DISTRIBUTION STATEMENT</p> <p style="margin-left: 40px;">DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.</p>			

Block 7, Application Interrelationship (Continued)

7.3 Related DIDs are:

DI-F-6006 DD Form 1921	Cost Data Summary Report
DI-F-6007 DD Form 1921-1	Functional Cost-Hour Report
DI-F-6008 DD Form 1921-2	Progress Curve Report
DI-F-6000C	Cost Performance Report
DI-F-6004B	Contract Funds Status Report
DI-F-6010A	Cost/Schedule Status

7.4 This DID supersedes DI-A-3023, DI-A-1004

Block 10, Preparation Instructions (Continued)

e. Statement of work (SOW) paragraph number(s). Enter the applicable paragraph number(s) from the Statement of Work (SOW), if applicable.

10.2.2 Part II - Contract Work Breakdown Structure Dictionary. The CWBS dictionary shall describe the effort and tasks associated with every CWBS element. The Part II sample attached provides the format for the CWBS dictionary.

a. Level of CWBS. Enter the level of each CWBS.

b. CWBS element. Enter the title of each CWBS element in the same order as given in Part I, Contract Work Breakdown Structure Index.

c. CWBS definition. Enter a complete description of the technical and cost content of each CWBS element. The statement should be as descriptive as possible about the efforts, tasks, tests, components, etc. that shall be included in the CWBS element by the contractor.

CONTRACT WORK BREAKDOWN STRUCTURE INDEX		PROGRAM:		RFP NO.: _____ CONTRACT NO.: _____		DATE:		
LINE NUMBER	CWBS ELEMENT					CWBS CODE	CONTRACT LINE ITEM(S)	STATEMENT OF WORK (SOW) PARAGRAPH NUMBER(S)
	LEVEL	NAME						
	1	2	3	4	5			

CONTRACT WORK BREAKDOWN STRUCTURE DICTIONARY		PROGRAM:	RFP NO.: _____ CONTRACT NO.: _____	DATE:
LEVEL OF CWBS	CWBS ELEMENT	CWBS DEFINITION		

DATA ITEM DESCRIPTION

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1. TITLE

SYSTEM/SUBSYSTEM SPECIFICATION (SSS)

2. IDENTIFICATION NUMBER

DI-IPSC-81431

3. DESCRIPTION/PURPOSE

3.1 The System/Subsystem Specification (SSS) specifies the requirements for a system or subsystem and the methods to be used to ensure that each requirement has been met. Requirements pertaining to the system or subsystem's external interfaces may be presented in the SSS or in one or more Interface Requirements Specifications (IRs) (DI-IPSC-81434) referenced from the SSS.

3.2 The SSS, possibly supplemented by IRs, is used as the basis for design and qualification testing of a system or subsystem. Throughout this DID, the term "system" may be interpreted to mean "subsystem" as applicable. The resulting document should be titled System Specification or Subsystem Specification (SSS).

4. APPROVAL DATE
(YYMMDD) 941205

5. OFFICE OF PRIMARY RESPONSIBILITY
EC

6a. DTIC APPLICABLE

6b. GIDEP APPLICABLE

7. APPLICATION/INTERRELATIONSHIP

7.1 This Data Item Description (DID) contains the format and content preparation instructions for the data product generated by specific and discrete task requirements as delineated in the contract.

7.2 This DID is used when the developer is tasked to define and record the requirements to be met by a system or subsystem.

7.3 Requirements pertaining to system or subsystem interfaces may be presented in the SSS or in IRs.

7.4 The Contract Data Requirements List (CDRL) (DD 1423) should specify whether deliverable data are to be delivered on paper or electronic media; are to be in a given electronic form (such as ASCII, CALS, or compatible with a specified word processor or other support software); may be delivered in developer format rather than in the format specified herein; and may reside in a computer-aided software engineering (CASE) or other automated tool rather than in the form of a traditional document.

7.5 This DID supersedes DI-CMAN-80008A and DI-IPSC-80690.

8. APPROVAL LIMITATION

Limited Approval from 12/5/94 through 12/5/96

9a. APPLICABLE FORMS

9b. AMSC NUMBER

N7074

10. PREPARATION INSTRUCTIONS

10.1 General instructions.

- a. Automated techniques. Use of automated techniques is encouraged. The term "document" in this DID means a collection of data regardless of its medium.
- b. Alternate presentation styles. Diagrams, tables, matrices, and other presentation styles are acceptable substitutes for text when data required by this DID can be made more readable using these styles.

(Continued on Page 2)

11. DISTRIBUTION STATEMENT

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