

QUALITY ASSURANCE PROVISIONS

C-321: SPECIFICATION:

NSN: 9G 1680-01-138-7494

P/N: (26512) 128CM11022-11, Revision "A "

NOMEN: LEVER, REMOTE CONTROL, EA-6B AIRCRAFT

Articles to be furnished hereunder shall be manufactured, tested and inspected in accordance with drawing number (26512) 128CM11022-11, Revision "A", and all details and specifications referenced therein.

I. Quality/Inspection Requirements

- A. MIL-I-45208 or ISO 9000 equivalent applies: Refer to contract section E.
- B. First Article Testing applies: Refer to contract section I.
- C. Production Lot Testing applies: Refer to contract section C.
- D. Mandatory Inspection applies: Refer to contract section C.
- E. Site Survey may be required

II. Supplemental Requirements

- A. Additionally, para. 3.1-3.5, 5.1-5.2, 6.1-6.2 of MIL-Q-9858 or ISO 9000 equivalent apply.
- B. The contractor shall include on the detailed process/operation sheets developed, all in house manufacturing processes and the identity of all manufacturing sources performing processes/ operations outside of their facilities. These sheets shall not be revised or altered after the successful completion of First Article or Production Lot Testing without approval from the basic design engineering activity via the PCO
- C. The Inspection Method Sheets which list the characteristics of each item produced under the contract shall have serial number traceability to the raw material, casting, or forging.
- D. Markings should be I/A/W MIL-STD-130 REV. "K" para. 5.3.3(a), (b), (c) and (g). Method and location shall be I/A/W drawing.

Mandatory Inspection Requirements:

During production, mandatory inspection is required to be accomplished by the contractor as follows:

ENCL (4)

A. Level of Inspection (LOI).

- 1) Critical Characteristics: 100% inspection shall apply.
- 2) Major and Minor Characteristics - LOI shall be I/A/W a sampling plan acceptable to the QAR.

Critical Characteristics

Critical Characteristics: (Shall be defined as below, unless defined by the Prime Contractor, diametrical and liner dimensions having a total tolerance of 0.001 or less.

Surface finishes having a 16 value or less.

Angular tolerances with a total range less than (1) one degree.

Threads specified to class (3) three or greater.

Critical Characteristics:

Material per AMS6414 (4340 vacuum melt)

Involute Spline Data as noted per drawing 128CM11022

63 Microinch surface roughness and 0,375 transition radius per drawing 128CM11022. 100% inspection required.

Shank thickness of 0.100/0.095 inch

Center line of Lug bolt hole to center line of spline dimension of 2.656 inch.

Hole diameters 0.2497/0.2507 inch and 0.2500/0.2520 inch.

C. Major and Minor Characteristics

- 1) Shall be defined by the contractor subject to QAR concurrence, unless defined on applicable drawings and associated specifications.

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, 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.

7A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY TDP _____ TM _____ OTHER Engineering	
D. SYSTEM/ITEM 9G 1680-01-138-7494			E. CONTRACT/PR NO.		F. CONTRACTOR
1. DATA ITEM NO. 0001	2. TITLE OF DATA ITEM CERTIFICATION DATA REPORTS			3. SUBTITLE COMPLET PROCESS/OPERATION	
4. AUTHORITY (Data Acquisition Document No.) DI-MISC-80678/T			5. CONTRACT REFERENCE		6. REQUIRING OFFICE NADEP/JACKSONVILLE, FL
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQUIRED	12. DATE OF FIRST SUBMISSION SEE BLOCK 16 *		
8. APP CODE A		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION SEE BLOCK 16 **		DISTRIBUTION
				a. ADDRESSEE NADEP/JACKS	b. COPIES
					Draft
					FINAL
					Reg
					Repro
16. REMARKS PARA. 10.1, 10.2, 10.2.1, 10.2.2, 10.2.4, 10.5 APPLY * UPON SUBMISSION OF FIRST ARTICLE TEST AND/OR PRODUCTION LOT SAMPLES ** IF THE PROCESS/OPERATION CHANGE AFTER APPROVAL IF F.A.T. AND/OR PRODUCTION LOT APPROVAL			DCMC / ACO	*	1/0
			DCMC / QAR	**	1/0
			PCO		1/0
			15. TOTAL		3/0
17. PRICE GROUP					
18. ESTIMATED TOTAL PRICE					
1. DATA ITEM NO. 0002	2. TITLE OF DATA ITEM CERTIFICATION DATA REPORT			3. SUBTITLE COMPLETED INSPECTION METHOD	
4. AUTHORITY (Data Acquisition Document No.) DI-MISC-80678/T			5. CONTRACT REFERENCE		6. REQUIRING OFFICE NADEP/JACKSONVILLE, FL
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQUIRED	12. DATE OF FIRST SUBMISSION SEE BLOCK 16 *		
8. APP CODE A		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION SEE BLOCK 16 **		DISTRIBUTION
				a. ADDRESSEE DCMC / ACO	b. COPIES
					Draft
					FINAL
					Reg
					Repro
16. REMARKS PARA. 10.1, 10.2, 10.2.1, 10.2.2, 10.2.4, 10.5 APPLY * UPON SUBMISSION OF FIRST ARTICLE TEST AND/OR PRODUCTION LOT SAMPLES ** AT TIME OF CONTRACT COMPLETION			DCMC / ACO	*	1/0
			DCMC / QAR	**	1/0
			PCO		1/0
			15. TOTAL		3/0
17. PRICE GROUP					
18. ESTIMATED TOTAL PRICE					
1. DATA ITEM NO. 0003	2. TITLE OF DATA ITEM REQUEST FOR DEVIATION			3. SUBTITLE	
4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80640A			5. CONTRACT REFERENCE		6. REQUIRING OFFICE NAVICP/PHIL
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQUIRED	12. DATE OF FIRST SUBMISSION SEE BLOCK 16		
8. APP CODE A		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION		DISTRIBUTION
				a. ADDRESSEE DCMC / ACO	b. COPIES
					Draft
					FINAL
					Reg
					Repro
16. REMARKS ORIGINAL			DCMC / ACO		1/0
			DCMC / QAR		1/0
			PCO		1/0
			15. TOTAL		3/0
17. PRICE GROUP					
18. ESTIMATED TOTAL PRICE					
1. DATA ITEM NO. 0004	2. TITLE OF DATA ITEM REQUEST FOR WAIVER			3. SUBTITLE	
4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80641A			5. CONTRACT REFERENCE		6. REQUIRING OFFICE NAVICP/PHIL
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQUIRED	12. DATE OF FIRST SUBMISSION SEE BLOCK 16		
8. APP CODE A		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION		DISTRIBUTION
				a. ADDRESSEE DCMC / ACO	b. COPIES
					Draft
					FINAL
					Reg
					Repro
16. REMARKS ORIGINAL AND TWO COPIES			DCMC / ACO		1/0
			DCMC / QAR		1/0
			PCO		1/0
			15. TOTAL		3/0
17. PRICE GROUP					
18. ESTIMATED TOTAL PRICE					
G. PREPARED BY: JAMES LANCASTER, O731.11		H. DATE 10/01/02		I. APPROVED BY	
				J. DATE	

Encl (5)

INSTRUCTIONS FOR COMPLETING DD FORM 1423
(See DOD 5010.12-M for detailed instructions.)

FOR GOVERNMENT PERSONNEL

FOR THE CONTRACTOR

Item A. Self-explanatory.

Items B. Self-explanatory.

Item C. Mark (X) appropriate category: TDP - Technical Data Package; TM - Technical Manual; Other - other category of data, such as "Provisioning," "Configuration Management", etc.

Item D. Enter name of system/item being acquired that data will support.

Item E. Self-explanatory (to be filled in after contract award).

Item F. Self-explanatory (to be filled in after contract award).

Item G. Signature of preparer of CDRL.

Item H. Date CDRL was prepared.

Item I. Signature of CDRL approval authority.

Item J. Date CDRL was approved.

Item 1. See DoD FAR Supplement Subpart 4.71 for proper numbering.

Item 2. Enter title as it appears on data acquisition document cited in Item 4.

Item 3. Enter subtitle of data item for further definition of data item (optional entry).

Item 4. Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-L (AMSDDL), or one-time DID number, that defines data content and format requirements.

Item 5. Enter reference to tasking in contract that generates requirement for the data item (e.g., Statement of Work paragraph number).

Item 6. Enter technical office responsible for ensuring adequacy of the data item.

Item 7. Specify requirement for inspection/acceptance of the data item by the Government.

Item 8. Specify requirement for approval of a draft before preparation of the final data item.

Item 9. For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref. DoDD 5230.24).

Item 10. Specify number of times data items are to be delivered.

Item 11. Specify as-of date of data item, when applicable.

Item 12. Specify when subsequent submittals are required, when applicable.

Item 13. Specify when subsequent submittals are required, when applicable.

Item 14. Enter addressees and number of draft/final copies to be delivered to each addressee. Explain reproducible copies in Item 16.

Item 15. Enter total number of draft/final copies to be delivered.

Item 16. Use for additional clarifying information for Items 1 through 15.

Item 17. Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423.

a. Group I. Definition - Data which is not otherwise essential to the contractor's performance of the primary contracted effort (production, development, testing, and administration) but which is required by DD Form 1423.

Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.

b. Group II. Definition - Data which is essential to the performance of the primary contracted effort at the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.

Estimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirements, and the administrative and other expenses related to reproducing and delivering such data item to the Government.

c. Group III. Definition - Data which the contractor must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, and quality of the data item.

Estimated Price - Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.

d. Group IV. Definition - Data which is developed by the contractor as part of his normal operating procedures and his effort supplying these data to the Government is minimal.

Estimated Price - Group IV items should normally be shown on the DD Form 1423 at no cost.

Item 18. For each data item, enter an amount equal to that portion of the total price which is estimated to be attributable to the production or development for the Government of that item of data. These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirement to supply the data, over and above those costs which would otherwise be incurred in performance of the contract if no data were required. The estimated data prices shall not

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(See DOD 5010.12-M for detailed instructions.)

FOR GOVERNMENT PERSONNEL

- Item A. Self-explanatory.
- Items B. Self-explanatory.
- Item C. Mark (X) appropriate category: TDP - Technical Data Package; TM - Technical Manual; Other - other category of data, such as "Provisioning," "Configuration Management", etc.
- Item D. Enter name of system/item being acquired that data will support.
- Item E. Self-explanatory (to be filled in after contract award).
- Item F. Self-explanatory (to be filled in after contract award).
- Item G. Signature of preparer of CDRL.
- Item H. Date CDRL was prepared.
- Item I. Signature of CDRL approval authority.
- Item J. Date CDRL was approved.
- Item 1. See DoD FAR Supplement Subpart 4.71 for proper numbering.
- Item 2. Enter title as it appears on data acquisition document cited in Item 4.
- Item 3. Enter subtitle of data item for further definition of data item (optional entry).
- Item 4. Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-L (AMSDL), or one-time DID number, that defines data content and format requirements.
- Item 5. Enter reference to tasking in contract that generates requirement for the data item (e.g., Statement of Work paragraph number).
- Item 6. Enter technical office responsible for ensuring adequacy of the data item.
- Item 7. Specify requirement for inspection/acceptance of the data item by the Government.
- Item 8. Specify requirement for approval of a draft before preparation of the final data item.
- Item 9. For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref. DoDD 5230.24).
- Item 10. Specify number of times data items are to be delivered.
- Item 11. Specify as-of date of data item, when applicable.
- Item 12. Specify when subsequent submittals are required, when applicable.
- Item 13. Specify when subsequent submittals are required, when applicable.
- Item 14. Enter addressees and number of draft/final copies to be delivered to each addressee. Explain reproducible copies in Item 16.
- Item 15. Enter total number of draft/final copies to be delivered.
- Item 16. Use for additional clarifying information for Items 1 through 15. Examples are: Tailoring of documents cited in Item 4; Clarification of submittal dates in Items 12 and 13; Explanation of reproducible copies in

FOR THE CONTRACTOR

- Item 17. Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423.
- a. Group I. Definition - Data which is not otherwise essential to the contractor's performance of the primary contracted effort (production, development, testing, and administration) but which is required by DD Form 1423.
- Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.
- b. Group II. Definition - Data which is essential to the performance of the primary contracted effort ut the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.
- Estimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirements, and the administrative and other expenses related to reproducing and delivering such data item to the Government.
- c. Group III. Definition - Data which the contractor must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, and quality of the data item.
- Estimated Price - Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.
- d. Group IV. Definition - Data which is developed by the contractor as part of his normal operating procedures and his effort supplying these data to the Government is minimal.
- Estimated Price - Group IV items should normally be shown on the DD Form 1423 at no cost.
- Item 18. For each data item, enter an amount equal to that portion of the total price which is estimated to be attributable to the production or development for the Government of that item of data. These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirement to supply the data, over and above those costs which would otherwise be incurred in performance of the contract if no data were required. The estimated data prices shall not include any amount for rights in data. The Government's right to use the data shall be governed by the pertinent provisions of the contract.