

**CONTRACT DATA REQUIREMENTS LIST**

**Form Approved**  
**OMB No. 0704-0188**

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A. CONTRACT LINE ITEM NO.				B. EXHIBIT		C. CATEGORY TDP _____ TM _____ OTHER <u>Engineering</u>				
D. SYSTEM/ITEM <b>5365-00-781-0420</b>				E. CONTRACT/PR NO.		F. CONTRACTOR				
1. DATA ITEM NO. <b>0001</b>		2. TITLE OF DATA ITEM <b>CERTIFICATION DATA REPORTS</b>			3. SUBTITLE <b>COMPLET PROCESS/OPERATION SHEETS</b>			17 PRICE GROUP		
4. AUTHORITY (Data Acquisition Document No.) <b>DI-MISC-80678/T1</b>				5. CONTRACT REFERENCE		6. REQUIRING OFFICE <b>RICHMOND</b>				
7. DD250 REQ <b>LT</b>		9. DIST STATEMENT REQUIRED		10. FREQUENCY <b>AS REQUIRED</b>		12. DATE OF FIRST SUBMISSION <b>SEE BLOCK 16**</b>		14. DISTRIBUTION		
8. ADP CODE <b>A</b>				11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION <b>SEE BLOCK 16**</b>		Draft		
16. REMARKS PARA. 10.1, 10.2, 10.2.1, 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/QAR		* 1/0		
						NADEP CHRPT		* * 1/0		
						PSC 8021				
						15. TOTAL		2/0		
1. DATA ITEM NO. <b>0002</b>		2. TITLE OF DATA ITEM <b>CERTIFICATION DATA REPORT</b>			3. SUBTITLE <b>COMPLETED INSPECTION METHOD SHEETS</b>			17 PRICE GROUP		
4. AUTHORITY (Data Acquisition Document No.) <b>DI-MISC-80678/T2</b>				5. CONTRACT REFERENCE		6. REQUIRING OFFICE <b>RICHMOND</b>				
7. DD 250 REQ <b>LT</b>		9. DIST STATEMENT REQUIRED		10. FREQUENCY <b>AS REQUIRED</b>		12. DATE OF FIRST SUBMISSION <b>SEE BLOCK 16 *</b>		14 DISTRIBUTION		
8. ADP CODE				11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION <b>SEE BLOCK 16 **</b>		a. ADDRESSEE		
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/QAR		* 1/0		
						NADEP CHRPT		* * 1/0		
						PSC 8021				
						15. TOTAL		2/0		
1. DATA ITEM NO. <b>0003</b>		2. TITLE OF DATA ITEM <b>REQUEST FOR DEVIATION</b>			3. SUBTITLE			17 PRICE GROUP		
4. AUTHORITY (Data Acquisition Document No.) <b>DI-CMAN-806640C</b>				5. CONTRACT REFERENCE		6. REQUIRING OFFICE <b>RICHMOND</b>				
7. DD250 REQ <b>LT</b>		9. DIST STATEMENT REQUIRED		10. FREQUENCY <b>AS REQUIRED</b>		12. DATE OF FIRST SUBMISSION		14. DISTRIBUTION		
8. ADP CODE <b>A</b>				11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION		a. ADDRESSEE		
16. REMARKS						DCMC/ACO		1/0		
						DCMC/QAR		* 1/0		
						POC		** 1/0		
						15. TOTAL		3/0		
G. PREPARED BY			H. DATE		I. APPROVED BY			J. DATE		
DD Form 1423-2, AUG 96 PREVIOUS EDITION MAY BE USED					Page 1		of		Pages 3	





**\* QUALITY ASSURANCE PROVISIONS**

**NSN: 5365-00-781-0420 P/N:(77272) A02R2858-1**  
**NOMENCLATURE: Spacer**

Articles to be furnished hereunder shall be manufactured, tested and inspected in accordance with drawing number (77272 ) A02R2858-1 REV. " D ", and all details and specifications referenced therein.

**I. QUALITY/INSPECTION REQUIREMENTS**

- A. MIL-I-45208 or ISO 9000 Equivalent applies:
- B. First Article Testing applies:
- C. Production Lot Testing applies:
- D. Mandatory Inspection applies:

**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 applies.
- B. The contractor shall include on the detailed process operation sheets developed, a tracking method that is traceable to the contract, all in-house manufacturing processes and the identity of all manufacturing sources performing process/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 the approval from the basic design engineering activity via the P.C.O..
- C. The inspection method sheets which list the characteristics of each item produced under the contract shall have traceability to the raw material, casting, or forging. The tracking method used on the inspection/method sheets shall be traceable to the contract. In addition, the contractor is responsible for providing completed inspection method sheets showing the actual dimensions taken of all critical characteristics.
- D. If the contractor deviates from the frozen Process/Operation sheets or Inspection/Method sheets, a new First Article Inspection shall be required.
- E. Markings should be I/A/W MIL-STD-130 REV."L" para. 5.3.3(a),(b),(c),(g). Method and location shall be I/A/W the drawing.

### III. MANDATORY INSPECTION REQUIREMENTS:

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

#### A. LEVEL OF INSPECTION (L.O.I.)

- 1) Critical Characteristics: 100% inspection and documentation of dimensions taken shall apply
- 2) Major and Minor Characteristics: L.O.I. shall be I/A/W a sampling plan acceptable to the Q.A.R..

#### B. CRITICAL CHARACTERISTICS FOR:

Boeing Aircraft P/N: (77272) A02R2858-1

- 1)  $.5000 + .0005 - .0000$
- 2) Upper surface shall be perpendicular to "A" within .001
- 3) Lower surface shall be perpendicular to "A" within .001
- 4) Dimension "L" shall be  $1.003 + .000 - .001$
- 5) Dimension "D" shall be  $.6882 + .0000 - .0010$

#### C. MAJOR AND MINOR CHARACTERISTICS:

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

- IV. Unless expressly provided for elsewhere in this clause, equipment such as **FIXTURES, JIGS, DIES, PATTERNS, TEMPLATES, MYLARS, SPECIAL TOOLING, TEST EQUIPMENT**, or any other manufacturing aid required for the manufacture and/or testing of the subject item will not be provided by the government or any other source and is the sole responsibility of the contractor. The foregoing applies notwithstanding any reference to such equipment or the furnishing thereof that may be contained in any drawing or referenced specification.

**FIRST ARTICLE TEST REQUIRED (GOVERNMENT TESTING)**

**I. First Article Inspection/Test Criteria:**

The tests to be performed under the contract approval clause of the contract are:

- A. Dimensional Check 100%
- B. Form/Fit
- C. Identification
- D. NDI
- E. Material Analysis
- F. Visual: Verification of the overall workmanship
- G. Compliance with drawing, (77272) A02R2858-1 REV." D ",  
and associated drawings, and specifications referenced therein.
- H. Packaging and Preservation: Verification that the parts have been preserved  
and packaged per the requirements of the contract.
- I. Review documentation as provided under DD 1423 requirements.

In addition to the above tests, the First Articles that are to be delivered hereunder, shall so be subjected to those tests that will demonstrate that the articles comply with contract requirements.

The contractor shall be responsible for providing necessary parts and repair of the First Article Samples during testing.

**II. Samples to be submitted for testing: Quantity: Two (4)**

- A. Estimated cost: TBD
- B. Waiver of First Article Testing Requirements may be granted for:  
(78286) Boeing Aircraft

**III. Testing shall be performed at the Government Designated facility listed below:**

NADEP Cherry Point (N65923)  
F.A.T. Control Center  
Attn: Mr. Steve Lundberg, Code: 3.3.2  
PSC BOX 8021, Bldg# 159R-4  
MCAS Cherry Point, NC 28533

**IV. Special Instructions:**

- A.** Contractor shall provide Four samples, corrosive areas are to be coated with a light preservative.
- B.** Samples may be considered as production items under the contract provided that the samples can be refurbished to ready for issue (**RFI**) condition and that the samples have inspection approval of the cognizant **Q.A.R.**. Samples may be shipped as production items only after all other units required under the contract have been produced and are ready for shipment.
- C.** Samples will be returned to the contractor if not destroyed in testing
- D. Estimated Production Lead-Time Schedule:**
  - 1. Submission of the First Article samples by the contractor: 90 days
  - 2. Analysis of FAT report and notification to contractor: 45 days
  - 3. Production delivery after First Article acceptance: 90 days
  - 4. Total accumulated calendar days 225 days

**NOTIFICATION OF SHIPMENT OF MATERIAL FOR GOVERNMENT TESTING**

Fourteen (14) days prior to shipment of First Article Samples, the contractor shall notify the designated test facility, in writing of the anticipated shipping date, with an information copy to the P.C.O.. The contractor shall also arrange for preliminary inspection of test samples by the CAO/QAR.

Upon shipment of First Article Samples, two (2) copies of the Material Inspection and Receiving Report (DD Form 250), bearing the QAR's signature and indication of preliminary inspection, shall be forwarded to the designated test facility. The envelopes shall be clearly marked. **"DO NOT OPEN IN MAILROOM"**.

Within 105 days after receipt of the samples, the test site shall complete testing/evaluation and submit two (2) copies of their test report with conclusions and recommendations to the P.C.O..

Disposition instruction must be provided to NADEP Cherry Point First Article Coordinator.

**PRODUCTION LOT TESTING REQUIREMENTS  
(WITNESSED AND ACCEPTED AT THE CONTRACTORS FACILITY)**

The material produced under contract shall be accepted by the cognizant CAO/QAR contingent upon the successful completion of these requirements.

The Production Lot Samples shall be inspected at the Contractors Facility... Witnessed and accepted by the DCMA/QAR. A written Test report shall be forwarded to the Contracting Officer. All DD 1423 requirements apply.

**I. Production Lot Test Sampling Requirements:**

- A. The cognizant CAO/QAR shall select Four (4) items at random from the first production lot assembled. In addition the QAR shall select two (2) items at random from each successive lot or portion thereof.
- B. Production Lot Testing to be completed during production after First Article approval.

**II. The tests to be performed under the Production Lot Sample testing provisions of the contract are:**

- A. Dimensional Check 100%
- B. Visual: Verification of the overall workmanship
- C. Identification: Verification that the parts are identified per the requirements of the drawing and the contract.
- D. Compliance with drawing, (77272) A02R2858-1 Rev. "D", and associated drawings, and specifications referenced therein.
- E. Packaging and Preservation: Verification that the parts have been preserved and packaged per the requirements of the contract.
- F. Review of documentation as provided under CDRL, DD1423

In addition to the above tests, the Production Lot Samples to be delivered hereunder shall also be subjected to those tests that will demonstrate that the samples comply with contract requirements.

**III. Testing Location, Cost and Estimated Lead-time:**

- A.** The Production Lot inspection shall be performed at the contractor's plant by the contractor witnessed and accepted by the DCMC/QAR. Within 15 days of Completion of the Production Lot Testing the CAO/QAR shall prepare and submit two (2) copies of their test report with conclusions and recommendations to the contracting officer. All DD 1423 requirements apply.
  
- B.** Samples may be considered as production items under the contract provided the samples can be refurbished to Ready For Issue (R.F.I.) condition and provided the samples have inspection approval of the cognizant CAO/QAR. Samples may be shipped as production items only after all other units required under the contract have been produced and are ready for shipment.

Within fifteen days of completion of Production Lot Testing, the CAO/QAR shall prepare and submit two copies of the test report with conclusions and recommendations to the contracting officer.