

## **QUALITY ASSURANCE PROVISIONS**

NSN: 9G 1650-00-420-1262

P/N: (78286) 65403-07013-101

NOMEN: Cap, Directional Controls Pylon

Articles to be furnished hereunder shall be manufactured, tested and inspected in accordance with drawing number (78286) 65403-07013-101 Rev. "Basic" or latest revision 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. Mandatory Inspection applies:
- D. Production Lot Testing 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 apply.
- B. The contractor shall identify on the process/operation sheets 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 and/or Production Lot Testing without approval from the Engineering Support Activity (ESA), via the PCO.
- 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. In addition, the contractor is responsible for providing completed inspection method sheets showing the actual dimensions taken.
- D. Markings should be in accordance with MIL-STD-130 Rev. "K" paragraph 5.3.3(a), (b), (c), and (g). Method and location shall be in accordance with the drawing.

### **III. Mandatory Inspection Requirements**

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

- A. Level of Inspection (LOI):
  - 1) Critical Characteristics: 100% inspection shall apply.

2) Major and Minor Characteristics - LOI shall be in accordance with a sampling plan acceptable to the QAR.

**B. Critical Characteristics:**

[Shall be defined as below, unless defined by the prime contractor]

[Diametrical and linear dimensions having a total tolerance of 0.001 or less.]

[Surface finishes having a 16 value or less.]

[Any geometric feature control requirement with a total tolerance range of .002" or less.]

[Angular tolerances with a total range less than 1 degree.]

[Threads specified to Class 3 or greater.]

**C. Major and Minor Characteristics:**

1) Shall be defined by the contractor subject to QAR 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, Mylar's, special tooling, test equipment, or any other manufacturing aid required for the manufacture and/or testing of the subject items will not be provided by the Government or any other source and is the sole responsibility of 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

## **FIRST ARTICLE TESTS REQUIRED (Contractor Testing)**

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

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

- A. Dimensional Check 100 % of finished part.
- B. Compliance with drawing, (78286) 65403-07013-101 Rev. "Basic", and specifications referenced therein.
- C. Review documentation as provided under DD 1423 requirements.

In addition to the above tests, the First Articles to be delivered hereunder shall also 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 (s) during testing.

### **II. Special Instructions: THE FOLLOWING INSPECTION SHALL BE WITNESSED AND DOCUMENTATION SHALL BE REVIEWED BY THE DCMA/QAR and shall be present to witness all First Article Tests Performed at the Contractor's facility.**

1. 100% Dimensional Inspection of critical characteristics I/A/W Drawing# (78286) 65403-07013-101 and all details referenced therein.
2. Review DD Form 1423 Data Item's .
3. Process/Operation sheets utilized to manufacture part number (78286) 65403-07013-101, The contractor shall include on the detailed process operation sheets 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 Testing without the approval from the basic design engineering activity (NAVAIRSYSCOM) via the PCO.
4. Inspection Method Sheets, which list the critical characteristics of the item and all detail component parts, shall have trace ability 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 methods sheets showing actual dimensions taken of all critical characteristics.

III. NOTIFICATION OF TESTING: The contractor shall notify the PCO, ACO and QAR prior to conducting First Article Tests so that the Government may witness such testing.

A. The QAR shall be present to witness all First Article Tests.

IV. Test Report: The test report shall be in accordance with MIL- STD-831 and shall be submitted (2 copies) via the Cognizant CAO/QAR to the Defense Supply Center Richmond Attn: Code \_\_\_\_\_. The CAO/QAR shall provide comments on Form DD 1222 (2 copies) which shall be forwarded with the test report. Approval of the test report is the PCO's responsibility. Upon notification of approval/conditional approval, the ACO shall execute the DD 250 to indicate Government acceptance of the test report.

V. Disposition of First Article Sample(s)

A. Sample(s) may be considered as production items under the contract provided the sample(s) can be refurbished to ready for issue (RFI) condition and provided the sample(s) have inspection approval of the cognizant QAR. Sample(s) may be shipped as production items only after all other units required under the contract have been provided and are ready for shipment.

**First Article Approval (Contractor Testing)**

A. The contractor shall test 1 unit(s) of lot/item 0001 as specified in this contract. At least 30 calendar days before the beginning of First Article Tests, the contractor shall notify the contracting officer, in writing, of the time and location of the testing so that the Government may witness the tests.

B. The contractor shall submit the First Article Test Report within 90 calendar days from the date of this contract to:  
ACO

Marked "FIRST ARTICLE TEST REPORT: Contract NO: lot/item NO. ". Within 45 calendar days after the government receives the test report, the contracting officer shall notify the contractor, in writing, of the conditional approval, approval, or disapproval of the First Article. The notice of conditional approval or approval shall not relieve the contractor from complying with all requirements of the specifications and all other terms and conditions of this contract. A notice of conditional approval shall state any further action required of the contractor. A notice of disapproval shall cite reasons for the disapproval.

C. If the First Article is disapproved, the contractor, upon government request, shall repeat any or all First Article Tests. After each request for additional tests, the contractor shall make any necessary changes, modifications, or repairs to the First Article or select another First Article for testing. All costs related to these tests are to be borne by the contractor, including any and all costs for additional tests following disapproval. The contractor shall then conduct the tests and deliver another report to the Government under the terms and conditions and within the time specified in paragraph B above. The government reserves the right to require an equitable adjustment of the contract price for any extension of the delivery schedule, or for any additional costs to the Government related to these tests.

D. If the contractor fails to deliver any First Article report on time, or the contracting officer disapproves any First Article, the contractor shall be deemed to have failed to make delivery within the meaning of the default clause of this contract.

E. Unless otherwise provided in the contract, and if the approved First Article is not consumed or destroyed in testing, the contractor may deliver the approved First Article as part of the contract quantity if it meets all contract requirements for acceptance.

F. If the government does not act within the time specified in paragraph B or C above, the contracting officer shall, upon timely written request from the contractor, equitably adjust under the changes clause of this contract the delivery or performance dates and/or the contract price, and any other contractual term affected by the delay.

G. Before First Article Approval, the acquisition of materials or components for, or the commencement of production of, the balance of the contract quantity is at the sole risk of the contractor. Before First Article approval, the costs thereof shall not be allocable to this contract for 1) progress payments, or 2) termination settlements if the contract is terminated for the convenience of the Government.

H. The contractor shall provide both the First Article and the production quantity at the same facility and shall submit a certification to this effect with each First Article.

## **PRODUCTION LOT TESTING REQUIREMENTS**

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

### **I. Production Lot Test Requirements**

A. The cognizant CAO/QAR shall select one (1) item (s) at random from the production lot. In addition the QAR shall select one (1) item (s) at random from each successive lot or portion thereof.

B. Production Lot Testing to be completed during production after First Article Approval.

C. Sample (s) are to be unpainted. Corrosive areas to be coated with a light preservative.

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

A. Compliance with drawing (78286) 65403-07013-101 and all specification referenced therein. (to be performed at contractor facility)

B. Dimensional Check 100%: (to be performed at contractor facility)

In addition to the above tests, the Production Lot Sample(s) to be delivered hereunder shall also be subjected to those tests, which will demonstrate, that the sample(s) comply with contract requirements.

### **III. Testing location**

A. Contractor Facility

Within fifteen (15) days of completion of 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.

**CONTRACT DATA REQUIREMENTS LIST**

(2 Data Items)

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

The public reporting burden for this collection of information is estimated to average 220 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 (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

<b>A. CONTRACT LINE ITEM NO.</b>		<b>B. EXHIBIT</b>		<b>C. CATEGORY:</b> TDP <input type="checkbox"/> TM <input type="checkbox"/> OTHER <input type="checkbox"/>			
<b>D. SYSTEM/ITEM</b> 9G 1650-00-420-1262		<b>E. CONTRACT/PR NO.</b>		<b>F. CONTRACTOR</b>			
1. DATA ITEM NO. 0001	2. TITLE OF DATA ITEM CERTIFICATION DATA REPORT			3. SUBTITLE COMPLETED PROCESS/OPERATION SHEETS			
4. AUTHORITY (Data Acquisition Document No.) DI-MISC-80678		5. CONTRACT REFERENCE C-321 SPECIFICATION		6. REQUIRING OFFICE DSCR			
7. DD250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQUIRED	12. DATE OF FIRST SUBMISSION SEE BLK. 16*	14. DISTRIBUTION			
8. ADP CODE A		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION SEE BLK. 16**/***	a. ADDRESSEE		b. COPIES	
16. REMARKS * AT TIME OF COMPLETION OF FIRST ARTICEL TESTING  ** UPON SUBMISSION OF PRODUCTION LOT SAMPLES  *** IF THE PROCESS OPERATIONS CHANGE AFTER APPROVAL OF FIRST PRODUCTION LOT TESTING/PRODUCTION LOT SAMPLES				CAO/QAR	*/***	1/0	
				DSCP/PCO	*/***	1/0	
				NADEP	*/***	1/0	
							15. TOTAL
1. DATA ITEM NO. 0002	2. TITLE OF DATA ITEM CERTIFICATION DATA REPORT			3. SUBTITLE COMPLETED INSPECTION METHOD SHEETS			
4. AUTHORITY (Data Acquisition Document No.) DI-MISC-80678		5. CONTRACT REFERENCE C-321 SPECIFICATION		6. REQUIRING OFFICE DSCR			
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQUIRED	12. DATE OF FIRST SUBMISSION SEE BLK. 16*	14 DISTRIBUTION			
8. ADP CODE A		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION SEE BLK. 16**	a. ADDRESSEE		b. COPIES	
16. REMARKS * AT TIME OF COMPLETION OF FIRST ARTICLE TESTING  ** UPON SUBMISSION OF PRODUCTION LOT SAMPLES AND AT TIME OF CONTRACT COMPLETION, CONTRACTOR SHALL RETAIN 100% OF CONTRACT QUANTITY RECORDS FOR SEVEN YEARS.				CAO/QAR	*/**	1/0	
				DSCP/PCO	**	1/0	
				NADEP	**	1/0	
							15. TOTAL
G. PREPARED BY VINCENT J. LOISEAU 0731.14		H. DATE 02/20/04	I. APPROVED BY VINCENT J LOISEAU		J. DATE 02/20/04		

**CONTRACT DATA REQUIREMENTS LIST**

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

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<b>A. CONTRACT LINE ITEM NO.</b>		<b>B. EXHIBIT</b>		<b>C. CATEGORY:</b> TDP <input type="checkbox"/> TM <input type="checkbox"/> OTHER <input type="checkbox"/>								
<b>D. SYSTEM/ITEM</b> 9G 1650-00-420-1262		<b>E. CONTRACT/PR NO.</b>		<b>F. CONTRACTOR</b>								
1. DATA ITEM NO. 0003	2. TITLE OF DATA ITEM REQUEST FOR DEVIATION			3. SUBTITLE								
4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80640C			5. CONTRACT REFERENCE		6. REQUIRING OFFICE DSCR							
7. DD250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQUIRED	12. DATE OF FIRST SUBMISSION		14. DISTRIBUTION							
8. ADP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION		a. ADDRESSEE	b. COPIES						
16. REMARKS ORIGINAL					DSCP/PCO	Draft	Final Reg	Repro				
										15. TOTAL	1/0	
1. DATA ITEM NO. 0004	2. TITLE OF DATA ITEM REQUEST FOR WAIVER			3. SUBTITLE								
4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80640C			5. CONTRACT REFERENCE		6. REQUIRING OFFICE DSCR							
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQUIRED	12. DATE OF FIRST SUBMISSION		14 DISTRIBUTION							
8. ADP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION		a. ADDRESSEE	b. COPIES						
16. REMARKS ORIGINAL					NAVICP/02	Draft	Final Reg	Repro				
										15. TOTAL	1/0	
G. PREPARED BY VINCENT J. LOISEAU 0731.14		H. DATE 02-20-04	I. APPROVED BY VINCENT J LOISEAU		J. DATE 02-20-04							

