

14153 QAP-CSI012662805
DTD 30 DEC 08

**DEFENSE SUPPLY CENTER PHILADELPHIA
QUALITY ASSURANCE PROVISION**

**NSN: 5315-01-266-2805
P/N: 2007409-7**

This Quality Assurance Provision (QAP) is to be used in conjunction with any orders/contracts for the cited NSN

FIRST ARTICLE REQUIREMENTS		1. DATE
<i>(AFMCI 64-110, AFMCI 23-102 and FAR Part 9, Sub Part 9.3) (Additional Instructions on Page 3)</i>		10 DEC 2008
2. PR/MIPR NUMBER	3. PART NUMBER 2007409-7	4. NSN 5315012662805SX
5. FIRST ARTICLE QUANTITY		
THE FIRST ARTICLE IS <u>1</u> UNIT(S) OF LOT/ITEM <u>EA</u>		
AND WILL BE: PART OF PRODUCTION QUANTITY <input type="checkbox"/> IN ADDITION TO PRODUCTION QUANTITY <input checked="" type="checkbox"/>		
6. ARTICLES		7. LONG LEAD TIME ITEMS
WILL <input checked="" type="checkbox"/> WILL NOT <input type="checkbox"/> SERVE AS A MANUFACTURING		<input checked="" type="checkbox"/> REQUIRED <input type="checkbox"/> NOT REQUIRED <i>(See FAR 52.209-3 OR -4, alternate II)</i>
8. SPECIAL REQUIREMENT/PRODUCTION FACILITIES <i>(See FAR 52.209-3 OR -4 Alternate I)</i>		
<input checked="" type="checkbox"/> REQUIRED <input type="checkbox"/> NOT REQUIRED		
"The First Article offered must be manufactured at the facilities in which that item is to be produced under the contract, or if the First Article is a component not manufactured by the contractor, such component must be manufactured at the facilities in which the component is to be produced for the contract. A certification to this effect must accompany each First Article which is offered."		
9. TEST/INSPECTION REQUIREMENTS		
A. CONTRACTOR TESTING		
<input checked="" type="checkbox"/> GOVERNMENT TESTING		
Performance or other characteristics which the First Articles must meet are <u>conformance with all drawings, specifications, and engineering data requirements.</u>		
B. The detailed technical requirements for First Article approval tests are contained in <u>the specifications included in this contract.</u> <i>(Cite Spec and Para number)</i>		
C. TEST PLAN REQUIRED		
(1) DD Form 1423 ELIN _____		
(2) Delivery due _____ calendar days from date of contract.		
(3) Number of days for government approval/disapproval _____ days.		
D. Contractor's notification to ACO and <u>NA</u> <i>(Requesting Activity)</i> of test time and location due _____ days prior to start of testing.		
E. TEST REPORT REQUIRED		
(1) DD Form 1423 ELIN _____		
(2) Due _____ calendar days from date of contract.		
(3) Forwarded to _____ _____ _____		
(4) Government written notice of approval/disapproval due _____ days after receipt of contractor's report.		
F. FIRST ARTICLE DELIVERY		

FURNISH THE COGNIZANT ENGINEERING ACTIVITY WITH THE FOLLOWING INFORMATION ON THE PREVIOUSLY SUPPLIED ARTICLE:

A. PROCURING OFFICE

B. CONTRACT NUMBER

C. DATE OF CONTRACT

D. SPECIFICATION NUMBER AND REVISION

12. REMARKS

NAME Clark, Andrew R DATE 10 DEC 2008

The critical nature of the part requires a First Article from a contractor who has never produced the item or has not produced the item for an extended period of time. The Government reserves the right to assure all materials and process certifications are correct and to test the item to any or all drawings, specifications and other contract requirements. A vendor will normally be allowed only one attempt to receive full or conditional approval. Failure to receive approval of First Article inspection will, at the discretion of the Government, result in termination of the contract. The contractor shall produce a report on the subject item with all dimensions and tolerances specified on the manufacturing data listed in one column and the actual corresponding reading obtained from the inspection of the part listed in another column. Materials utilized in the manufacture of First Article items shall be identified and certified along with a copy of material purchase requests as conforming to applicable data requirements. Material processing, including finish requirements-plating, casting, forging, heat treatment, welding, inspecting, anodize, painting, etc-utilized in the manufacture of First Article items shall be identified and certified along with a copy of material purchase requests as conforming to applicable data requirements. A copy of the purchase order certifying the process accomplished at other than the contractor's facility shall be included. First Article waiver approvals as well as similar item determination are solely the responsibility of the Cognizant Engineering Organization. The Cognizant Engineering Organization shall determine First Article testing requirements based on component criticality and complexity, regardless of PR value.

13. COGNIZANT ENG ORGANIZATION RESPONSIBLE FOR CONDUCTING AND/OR APPROVING TEST (Name, Organization, Phone)

14. PR INITIATOR (Name, Organization, Phone)

REV:	ENGINEERING DATA REQUIREMENTS (ATTACHMENT "A")	
NOTE: MILITARY SPECIFICATIONS / STANDARDS WILL NOT BE FURNISHED IN THE BID SET.		
1. THE FOLLOWING INSTRUCTIONS ARE FURNISHED FOR THE MANUFACTURE OF: PIN, THREADED F-16		
2. PART NUMBER: 2007409-7	3. NATIONAL STOCK NUMBER: 5315-01-266-2805 LE	

4. THE FOLLOWING SPECIFICATIONS/STANDARDS, ETC., WILL BE USED IN LIEU OF THE DATA INDICATED. THE SUPERSEDED DATA WILL NOT BE FURNISHED UNLESS SO INDICATED.

5. 417 SCMS/GUEB RETAINS ALL RIGHTS TO REVIEW AND ACCEPT MATERIAL REVIEW BOARD (MRB) DISPOSITIONS PRIOR TO SHIPMENT OF DISCREPANT ITEM. ALL DEVIATIONS, MINOR AND MAJOR, FROM THE ENGINEERING DRAWING PACKAGE SHALL BE SUBMITTED FOR MRB DISPOSITION.

6. PRIOR TO CONTRACT AWARD, THE CONTRACTOR SHALL CERTIFY TO THE GOVERNMENT IN WRITING FULL COMPLIANCE WITH MANUALS, SPECIFICATIONS AND STANDARDS CALLED OUT AND REQUIRED FOR THE MANUFACTURE OF THIS CONTRACTED LANDING GEAR COMPONENT/ASSEMBLY. CONTRACTOR IS RESPONSIBLE TO COMPLETELY SEARCH THESE MANUALS, SPECIFICATIONS AND STANDARDS AND FULLY UNDERSTAND THE REQUIREMENTS NECESSARY TO MANUFACTURE LANDING GEAR COMPONENTS. ANY QUESTIONS CAN BE FORWARDED TO 417 SCMS/GUEB.

7. USE 300M STEEL MATERIAL PER SAE AMS 6257 IN LIEU OF MIL-S-8844.

8. 6.10 UNIQUE IDENTIFICATION (UID) AND PART NUMBER SHALL BE APPLIED TO EACH PART PER MIL-STD-130 IN LIEU OF TM1040. THE UID SHALL BE BOTH HUMAN READABLE INFORMATION (HRI) MARKINGS AND MACHINE-READABLE INFORMATION (MRI) MARKS. THE MRI SHALL BE ACCOMPANIED BY A HRI. BOTH MARKS WILL BE LIMITED TO 16 ALPHANUMERIC CHARACTERS INCLUDING THE VENDOR CAGE (FSCM) OF THE CONTRACTOR NAMED ON THE CONTRACT, DATE OF MANUFACTURE IN THE FORMAT MMYYY, AND A UNIQUE 4-DIGIT NUMBER STARTING WITH 0001 IN NUMERICAL ORDER OF MANUFACTURE. THE HRI SHALL APPEAR AS "SN 9874701070001". THE HEIGHT OF EACH ALPHANUMERIC CHARACTER IN THE HRI SHALL BE A MAXIMUM OF .125 INCHES. MARKINGS FOR BOTH THE MRI AND HRI SHALL BE TO SAE AS 9132. THE LOCATION OF THE HRI UID AND PART NUMBER SHALL BE THE SAME LOCATION AS IDENTIFIED ON THE DRAWING. THE METHOD OF MARKING FOR HRI SHALL BE LIMITED TO VIBRO PEEN OR DOT PEEN. THE DEPTH OF EACH MARK SHALL BE FROM .003 - .005 INCHES. THE MRI SHALL BE PLACED ON PACKAGING. THE MRI MARK SHALL CONTAIN HRI EQUIVALENT INFORMATION IN BOTH 2D MATRIX FORM AND IN HUMAN READABLE FORM.

9. DIMENSIONING AND TOLERANCING PER ASME Y14.5 IN LIEU OF ANSI Y14.5.

10. SURFACE ROUGHNESS PER ASME B46.1 IN LIEU OF ASA B46.1.

11. HEAT TREAT PER SAE AMS-H-6875 IN LIEU OF MIL-H-6875 AND MM4990.

12. ON PARTS HEAT TREATED TO 180 KSI AND ABOVE, ANY SURFACES GROUND/MACHINEID AFTER HEAT TREAT WILL BE INSPECTED FOR BURNS PER MIL-STD-867 IN LIEU OF MM5512. NO MORE THAN THREE SUCCESSIVE INSPECTIONS SHALL BE PERFORMED WITHOUT A WAIVER FROM 417 SCMS/GUEB GRINDING WILL BE PER MIL-STD-866 IN LIEU OF MM3759.

13. SCREW THREADS PER SAE AS 8879 IN LIEU OF MIL-S-8879.

PREPARED BY: ANDREW CLARK	OFFICE SYMBOL: 417SCMS/GUEB	DATE: 4-DECEMBER-2008
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REV:	ENGINEERING DATA REQUIREMENTS (ATTACHMENT "A")
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NOTE: MILITARY SPECIFICATIONS / STANDARDS WILL NOT BE FURNISHED IN THE BID SET.

1. THE FOLLOWING INSTRUCTIONS ARE FURNISHED FOR THE MANUFACTURE OF:
PIN, THREADED F-16

2. PART NUMBER: 2007409-7	3. NATIONAL STOCK NUMBER: 5315-01-266-2805 LE
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14. CADMIUM PLATE PER MIL-STD-870 TYPE II, CLASS 2 IN LIEU OF MM5542 AND MM4951. APPLY TO BOTH NOTE 22 AND 23.

15. CHROMIUM PLATE PER SAE AMS 2460 CLASS 2, TYPE II, FINAL RMS 16, IN LIEU OF QQ-C-320. PARTS SHALL BE SHOT PEENED IN ACCORDANCE WITH SAE AMS 2430 IN LIEU OF MIL-S-13165 PRIOR TO PLATING. SHOT PEENING LOCATION, INTENSITY AND SHOT SIZE SHALL BE AS SPECIFIED BY THE DRAWING. USE HARD STEEL SHOT IN THE RANGE 55-65 HRC (PER SAE AMS 2431/2 OR 2431/8), OR CERAMIC SHOT WITH A HARDNESS COMPARABLE TO 57-63 HRC (PER SAE AMS 2431/7).

16. FINISH ASSEMBLY PER THE FOLLOWING IN LIEU OF NOTE 19:

A. APPLY ONE COAT EPOXY WATERBORNE PRIMER PER MIL-PRF-85582 TYPE I CLASS C2 OR N. ALTERNATE ONE COAT OF EPOXY POLYAMIDE PRIMER PER MIL-PRF-23377 TYPE I CLASS C2 OR N IN LIEU OF MIL-P-23377.

B. APPLY TWO TOPCOATS POLYURETHANE PER MIL-PRF-85285 TYPE I CLASS H COLOR NUMBER 17925 (WHITE) PER FED-STD-595 IN LIEU OF MIL-C-83286 COLOR NUMBER 17875.

17. PERFORM MAGNETIC PARTICLE INSPECTION PER ASTM E 1444 IN LIEU OF MIL-I-6868. USE FLUORESCENT TYPE, FULL WAVE DIRECT CURRENT (FWDC), AND WET CONTINUOUS METHOD WITH THE FOLLOWING ACCEPTANCE/REJECTION CRITERIA: NO RELEVANT DEFECTS ALLOWED. THE INTENT OF NO RELEVANT DEFECTS ALLOWED IS THAT THE INSPECTION IS CONDUCTED AT THE REQUIRED SENSITIVITY LEVEL AND THERE SHALL BE NO RELEVANT INDICATIONS ALLOWED. THE INSPECTOR PERFORMING THE INSPECTIONS SHALL BE CERTIFIED TO LEVEL II WITH THE INSPECTION PROCEDURE DEVELOPED BY A LEVEL III AS SPECIFIED IN AIA/NAS NAS 410.

18. CORROSION PROTECTION PER MIL-C-16173 CLASS II, GRADE 3, IN LIEU OF MM5752.

19. THE MAXIMUM ALLOWABLE DELAY FOR THE 4 HOUR BAKE BETWEEN CHROMIUM PLATE AND CADMIUM PLATE OPERATIONS SHALL BE 4 HOURS.

20. THIS PART HAS BEEN DESIGNATED CSI, THE FOLLOWING MATERIALS AND PROCESSES HAVE BEEN DETERMINED TO BE SAFETY CRITICAL:

- NOTE 2
- NOTE 10
- NOTE 18
- NOTE 27
- NOTE 28

PREPARED BY: ANDREW CLARK	OFFICE SYMBOL: 417SCMS/GUEB	DATE: 4-DECEMBER-2008
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REVISION: 1

ENGINEERING DATA LIST

HISTORY

DATE: 04 DEC 2008 DATA TECH: Earl, Trevor L ORGANIZATION/OFFICE SYMBOL: 418 SCMS / GULABB END ITEM: F-16 PAGE 1 OF 1

CAGE: 17576 MANUFACTURER NAME: GOODRICH CORP REFERENCE NUMBER: 2007409-7 NOUN: PIN SHOULDER HEADED NSN: 5315012662805SX

LINE /SUB	CAGE	ENG DRAWING NUM / ACCOMP DOC NUM	REV	NR SHEETS	FURN CODE	DIST CODE	NOUN	REMARKS
L	17576	2007409	D		S		PIN, THREADED	
L	98747	HILL AFB FORM 462			X		ENGR DATA REQMTS (ATTACH A)	

STANDARD ENGINEERING TEXT

FURNISHED METHOD CODE LEGEND:

- C - CLASSIFIED DOCUMENT.
- S - FURNISHED WITH SOLICITATION.
- M - STABLE BASE DRAWING REQUIRED; FURNISHED WITH CONTRACT AWARD.
- X - DATA SUPPLIED (NOT IN JEDMICS).
- R - FURNISHED BY PCO UPON REQUEST.
- P - PARTIAL DOCUMENT FURNISHED.
- V - VENDOR DRAWING; (NOT PROVIDED).
- G - GOVT DOCUMENT.
- O - OTHERS, CONTRACTOR MUST ACQUIRE.
- A - DATA NOT AVAILABLE.

AMC/AMSC SCREENING ANALYSIS WORKSHEET REPORT					PRIORITY CATEGORY			
					02			
ITEM IDENTIFICATION AND INFORMATION								
NSN 5315012662805SX		NOUN PIN,SHOULDER,HEADED			END ITEM F-16		PCC	ERRC N
QUANTITY 1	UNIT COST \$50.9400	IDENTIFYING NUMBER (Part No) R/N 2007409-7			CAGE 17576	TOP DWG REV NO.		
EST ANNUAL BUY VALUE \$50.94				COMM OFF-THE-SHELF ITEM YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN				
NUC. CERT. END ITEM YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN			HARD CRIT. IND YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN					
NEXT HIGHER ASSEMBLY								
NSN		NOUN			R/N		CAGE	
SUMMARY OF SCREENING ACTION								
DESIGN DISCLOSURE <input checked="" type="checkbox"/>		SPEC CONTROL		SOURCE CONTROL		MIL/IND/CONTR PERF SPEC		
ST/STE REQUIRED YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> UNKNOWN		ST/STE AVAILABLE YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> UNKNOWN		DATA COMPLETE <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> UNKNOWN		DATA RIGHTS LIMITED YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> UNKNOWN		AAC D
AMC/AMSC 2 / C		AMC/AMSC EXP DT 04 DEC 2013		PRV AMC/AMSC /		PRV AMC/AMSC EXP DT		
AMC COMPLETION DT 15 DEC 2008				ENGINEER AMC/AMSC 2 / C				
USER TYPE	DATE/TIME IN	DATE/TIME OUT	NAME	ORGANIZATION/ OFFICE SYMBOL	COMMERCIAL PHONE	DSN PHONE		
Engineer	15 DEC 2008 / 1434	15 DEC 2008 / 1758	Clark, Andrew R	417 SCMS / GUBB	801-775-6059	775-6059		
Screening Technician	10 DEC 2008 / 2345	15 DEC 2008 / 1434	Earl, Trevor L	418 SCMS / GULABB	801-775-3891	775-3891		
Engineer	05 DEC 2008 / 1858	10 DEC 2008 / 2345	Clark, Andrew R	417 SCMS / GUBB	801-775-6059	775-6059		
Screening Technician	01 DEC 2008 / 1801	05 DEC 2008 / 1858	Earl, Trevor L	418 SCMS / GULABB	801-775-3891	775-3891		
Screening Technician Workload Manager	01 DEC 2008 / 1800	01 DEC 2008 / 1801	Hyatt, Joan B	418 SCMS / GULABB	801-777-3544	777-3544		
PROCUREMENT SUPPORT REQUIRED								
FIRST ARTICLE TEST <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			ENGINEERING DATA LIST REQ <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			EXPORT CONTROLLED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
PRODUCTION SAMPLE REQ YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		MLO/ARTWORK Not required			PROD SAMPLE FURN YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		ENGR NOTES <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
APPROVED SOURCES								
DESIGN ACTIVITY INFORMATION								
CAGE	REFERENCE NUMBER	CONTRACTOR NAME	RNCC // RNVC	NAME	ORGANIZATION/ OFFICE SYMBOL	COMMERCIAL PHONE	DSN PHONE	

