

14153 QAP-CSI000110201
DTD 9 DEC 08

**DEFENSE SUPPLY CENTER PHILADELPHIA
QUALITY ASSURANCE PROVISION**

**NSN: 5315-00-011-0201
P/N: 6-40640-1**

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>		14 NOV 2008
2. PR/MIPR NUMBER	3. PART NUMBER	4. NSN
	6-40640-1	5315000110201LE
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 dwgs and specs in the contract</u>		
B. The detailed technical requirements for First Article approval tests are contained in		
<u>all the drawings and specifications in the 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>OO-ALC/MADLV</u>		
<i>(Requesting Activity)</i>		
of test time and location due <u>30</u> 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		

ENGINEERING DATA LIST										*HISTORY*	
REVISION: 1		DATA TECH: Dalton, Thomas T		ORGANIZATION/OFFICE SYMBOL: 418 SCMS / GULABA		END ITEM: T-38		PAGE 1 OF 1			
CAGE: 76823		MANUFACTURER NAME: NORTHROP GRUMMAN SYSTEMS CORPORATION		REFERENCE NUMBER: 6-40640-1		NOUN: PIN,STRAIGHT,HEADLE		NSN: 5315000110201LE			
LINE /SUB	CAGE	ENG DRAWING NUM / ACCOMP DOC NUM	REV	NR SHEETS	FURN CODE	DIST CODE	NOUN	REMARKS			
L	76823	6-40640	C		S		PIN-TORQUE ARM, MLG				
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.											

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, STRAIGHT, HEADLESS T-38		
2. PART NUMBER: 6-40640-1	3. NATIONAL STOCK NUMBER: 5315-00-011-0201 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.

8. UNIQUE IDENTIFICATION (UID) SHALL BE APPLIED TO EACH PART PER MIL-STD-130 IN LIEU OF IM-8. 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 MMY, 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 UID SHALL BE THE SAME LOCATION AS IDENTIFIED ON THE DRAWING. THE METHOD OF MARKING FOR HRI SHALL BE LIMITED TO ELECTRO-CHEMICAL ETCHING, DOT PEEN, VIBRO PEEN, OR MICRO-MILL. THE DEPTH OF EACH MARK SHALL BE FROM .003 - .005 INCHES UNLESS OTHERWISE SPECIFIED ON THE ORIGINAL DRAWING. THE METHOD OF MARKING FOR THE MRI SHALL BE LIMITED TO TESA BRAND SECURE 6973 BLACK UID LASER ETCHED MARKING TAPE (FOR MORE INFORMATION REFER TO WWW.TESATAPE.COM/PROFESSIONAL/INDUSTRY/APPLICATIONS/UIIDDOD) AND SHALL ONLY BE PLACED ON THE TOP COAT OF THE PAINTED COMPONENTS. THE MRI MARK ON THE TESA TAPE SHALL CONTAIN HRI EQUIVALENT INFORMATION IN BOTH 2D MATRIX FORM AND IN HUMAN READABLE FORM. WHEN ITEMS CANNOT BE FULLY MARKED OR TAGGED DUE TO LACK OF MARKING SPACE OR BECAUSE MARKING OR TAGGING WOULD HAVE A DELETERIOUS EFFECT, THE FULL DETAILED UID MARKING REQUIREMENTS SHALL BE APPLIED TO A SUPPLEMENTAL BAG OR OTHER PACKAGE THAT ENCLOSSES THE INDIVIDUAL ITEM.

9. DIMENSIONING AND TOLERANCING PER ASME Y14.5 IN LIEU OF 3-40500.

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

11. HEAT TREAT TO MEET ALL DRAWING REQUIREMENTS PER SAE AMS-H-6875 IN LIEU OF HT-15 AND MP-1755.

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

13. COAT WITH CORROSION PREVENTIVE COMPOUND MIL-PRF-16173E GRADE 3 OR 4 IN LIEU OF CP-4.

14. SHOT PEEN TO MEET ALL DRAWING REQUIREMENTS PER SAE AMS 2430 IN LIEU OF MA-57.

15. CADMIUM PLATE PER MIL-STD-870 TYPE II CLASS 2 IN LIEU OF FP-49.

PREPARED BY: BRYAN FANICK, 2LT	OFFICE SYMBOL: 417 SCMS/GUEB	DATE: 14 NOV 2008
-----------------------------------	---------------------------------	----------------------

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, STRAIGHT, HEADLESS T-38		
2. PART NUMBER: 6-40640-1	3. NATIONAL STOCK NUMBER: 5315-00-011-0201 LE	

16. CHROMIUM PLATE PER MIL-STD-1501 TYPE I OR II CLASS 1 IN LIEU OF FP-6.1.

17. MACHINE USING BEST AIRCRAFT INDUSTRY STANDARDS.

18. FOR MATERIAL, USE SAE AMS 6415 OR SAE AMS 6484 IN LIEU OF MIL-S-5000.

19. PERFORM MAGNETIC PARTICLE INSPECTION PER ASTM E 1444 IN LIEU OF IT-32.1. 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.

20. NORAIR FINISH SPEC 76 (NFS-76) IS NOT REQUIRED FOR MANUFACTURE.

21. THIS COMPONENT IS A CRITICAL SAFETY ITEM (CSI). THE FOLLOWING PROCESSES SHALL BE CONSIDERED SAFETY CRITICAL:

CSI HEAT TREAT PER SAE AMS-H-6875
 CSI INSPECTION PER MIL-STD-867
 CSI GRINDING PER MIL-STD-866
 CSI SHOT PEEN PER SAE AME 2430
 CSI GRINDING PER MIL-STD-866
 CSI CHROMIUM PLATE PER MIL-STD-1501
 CSI CADMIUM PLATE PER MIL-STD-870
 CSI MATERIAL PER SAE AMS 6415 OR SAE AMS 6484
 CSI FMPI PER ASTM E 1444

PREPARED BY: BRYAN FANICK, 2LT	OFFICE SYMBOL: 417 SCM:S/GUEB	DATE: 14 NOV 2008
-----------------------------------	----------------------------------	----------------------