

14153 QAP-CSI005264027  
DTD 26 JUNE 08

**DEFENSE SUPPLY CENTER PHILADELPHIA  
QUALITY ASSURANCE PROVISION**

**NSN: 5306-00-526-4027  
P/N: J645P14A**

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

<b>FIRST ARTICLE REQUIREMENTS</b> <i>(AFMCI 64-110, AFMCI 23-102 and FAR Part 9, Sub Part 9.3) (Additional Instructions on Page 3)</i>		1. DATE 26 MAR 2008
2. PR/MIPR NUMBER	3. PART NUMBER J645P14A	4. NSN 5306005264027NY
5. FIRST ARTICLE QUANTITY THE FIRST ARTICLE IS 3 UNIT(S) OF LOT/ITEM EA AND WILL BE: <input type="checkbox"/> PART OF PRODUCTION QUANTITY <input checked="" type="checkbox"/> IN ADDITION TO PRODUCTION QUANTITY		
6. ARTICLES <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT SERVE AS A MANUFACTURING		7. LONG LEAD TIME ITEMS <input type="checkbox"/> REQUIRED <input checked="" 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 type="checkbox"/> REQUIRED <input checked="" 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. <input type="checkbox"/> CONTRACTOR TESTING <input checked="" type="checkbox"/> GOVERNMENT TESTING Performance or other characteristics which the First Articles must meet are <u>As specified on the part drawing, in the referenced/called out specifications and on the engrg inst. sheets</u> B. The detailed technical requirements for First Article approval tests are contained in <u>As specified on the part drawing, in the referenced/called out specifications and on the engrg inst. sheets. A fit check may also be performed.</u> <i>(Cite Spec and Para number)</i> C. <input type="checkbox"/> 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>N/A</u> <i>(Requesting Activity)</i> of test time and location due _____ days prior to start of testing. E. <input type="checkbox"/> 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		

(1) Due within 90 calendar days from date contract.

(2) Notify 30 calendar days prior to shipment.

(3) Delivered to government at

See remarks in block 12

*(Set Forth Consignee and Address)*

(4) Government written notice of approval/disapproval within 90 days after receipt of first article package.

G. Estimated cost of government testing/inspection evaluation.

\$2,500.00

#### 10. DISPOSITION OF FIRST ARTICLES

Approved First Articles will be forwarded to  
USAF Supply

1 (insert quantity) First Articles will be expended in testing. Residual components of disapproved First Articles  
 will be returned to the contractor  
 will be retained by USAF  
pending disposition instructions from the contractor.

First Articles will be installed on aircraft/equipment to determine proper fit/function. Approved article will remain on the aircraft/equipment and will not be forwarded to USAF Supply but will be considered part of the contract quantity.

Disapproved First Articles will be returned to the contractor/

will be retained by USAF  
pending disposition instructions from the contractor

On purchase requests designated as direct shipments the following disposition will apply. (NOTE: Always applicable on Foreign Military Sales (FMS)).

a. Approved First Articles will be returned to the contractor for shipment with production item.

b. Disposition of disapproved First Articles will remain the same as marked above.

Other Disposition:

#### 11. CONDITION(S) FOR WAIVER OF FIRST ARTICLE APPROVAL

a.  Offers who have previously furnished production quantities of the same or similar article to the prime contractor for delivery to the  
 Government,  DoD,  Air Force.

b.  Offers currently in production of the same or similar article for a  Government,  DoD,  
 Air Force contract and who have received First Article approval under the existing contract.

c.  Offers who have previously furnished production quantities of the same or similar articles to the  
 Government,  DoD,  
 Air Force, provided articles thus furnished, have exhibited satisfactory performance in service in the opinion of the Air Force.

d.  Provided not more than 36 months have elapsed since completion of the contract.

e.  First Article testing will not be waived.

f.  See Remarks in block 12 below.

**NOTE TO BUYER:** UNDER CONDITIONS A AND C ABOVE, THE COGNIZANT ENGINEERING ACTIVITY WILL DECIDE WHETHER OR NOT THE ITEM HAS EXHIBITED SATISFACTORY PERFORMANCE IN SERVICE AND PREPARE AND RETAIN SUPPORTING DOCUMENTATION TO FULLY JUSTIFY THIS DECISION. THE BUYER MUST SOLICIT DUAL PRICES (That is, both with and without requirement for first article approval) AND MUST

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      Bake, William W      DATE      26 MAR 2008  
Similar articles are not valid for Conditions for Waiver in block 11.

NOTE TO BUYER: UNDER CONDITION C ABOVE, THE COGNIZANT ENGINEERING ACTIVITY WILL DECIDE WHETHER OR NOT THE ITEM HAS EXHIBITED SATISFACTORY PERFORMANCE IN SERVICE, AND WILL PREPARE AND RETAIN SUPPORTING DOCUMENTATION TO FULLY JUSTIFY THIS DECISION. THE BUYER MUST SOLICIT DUAL PRICES (That is, both with and without requirement for first article approval), AND MUST FURNISH THE COGNIZANT ENGINEERING ACTIVITY WITH THE FOLLOWING INFORMATION ON THE PREVIOUSLY SUPPLIED ARTICLE.

FAI JUSTIFICATION:  
THE INTEGRITY, FIT, AND FUNCTION OF THIS ITEM ARE CRITICAL TO SAFE FLIGHT AND ENGINE OPERATION. IN ORDER TO COMPLY WITH DRAWING SPECIFIED DIMENSIONAL TOLERANCES, MATERIAL CERTIFICATIONS, AND PROCESS REQUIREMENTS, A CONTRACTOR MUST HAVE EXPERTISE, SOPHISTICATED FACILITIES, AND BE ABLE TO IMPLEMENT STRINGENT QUALITY CONTROLS. IT IS THEREFORE NECESSARY TO VERIFY THE CONTRACTORS ABILITY TO PRODUCE THIS ITEM. CONDITIONS FOR FIRST ARTICLE WAIVER ARE AS OUTLINED IN BLOCK 11 ABOVE.

BLOCK 9F(3) DELIVER GOVERNMENT FIRST ARTICLES TO:

DDOO-SOP (First Articles)  
Bldg 18 Door 16 (405) 739-7667  
8080 Perimeter Rd  
Tinker AFB,OK 73145-8000  
DODAAC: FY2303

Mark for: First Articles  
Attn: DDOO-SOP  
Do not post,non-accountable  
Do not put into supply

NOTE:  
Please insure that the words FIRST ARTICLE  
are clearly and conspicuously marked on the outside  
of the shipping container/ package.

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

14. PR INITIATOR (Name, Organization, Phone)

REVISION: 1		ENGINEERING DATA LIST										*HISTORY*		
DATE:	DATA TECH:	ORGANIZATION/OFFICE SYMBOL:		REFERENCE NUMBER:		END ITEM:		PAGE		NOUN:		NSN:		
25 MAR 2008	Burnside, Cathy L	558 CBSS	/ GBHBB	J645P14A	J645P14A	F101/102	F101/102	1	OF 2	BOLT, MACHINE	5306005264027NY			
CAGE:	MANUFACTURER NAME:	REV	NR SHEETS	FURN CODE	DIST CODE	NOUN	REMARKS							
07482	GENERAL ELECTRIC COMPANY DBA GE DIV													
L	07482	J641-J649	AA	S		BOLT, MACHINE	NAME: Burnside, Cathy L J645P14A	DATE: 25 MAR 2008						
L	07482	P1TF3		S		DRAWING INTERPRETATION	NAME: Burnside, Cathy L Revision S33	DATE: 25 MAR 2008						
L	07482	P1TF9		S		Machine Features-Shop Run Tolerances	NAME: Burnside, Cathy L Revision S14	DATE: 25 MAR 2008						
L	07482	C50TF13		S		INCONEL ALLOY-718 BOLTS, SCREWS	NAME: Burnside, Cathy L Revision S19	DATE: 25 MAR 2008						
L	00000	.AS 870		O		WRENCHING CONFIGURATION								
L	00000	AS 8879		O		Screw Threads - UNJ Profile								

ENGINEERING DATA LIST				*HISTORY*	
REVISION: 1	DATA TECH: Burnside, Cathy L	ORGANIZATION/OFFICE SYMBOL: 558 CBSS / GBHBB	END ITEM: F101/102	PAGE 2 OF 2	
CAGE: 07482	MANUFACTURER NAME: GENERAL ELECTRIC COMPANY DBA GE DIV	REFERENCE NUMBER: J645P14A	NOUN: BOLT, MACHINE	NSN: 5306005264027NY	
L	00000 MIL-STD-130	0	IDENTIFICATION MARKING OF U.S. MILITARY PROPERTY		
STANDARD ENGINEERING TEXT					
NAME: Burnside, Cathy L DATE: 25 MAR 2008					
1. RELEASE OF THIS DATA TO A FOREIGN-OWNED, CONTROLLED OR INFLUENCED COMPANY IS DEPENDENT UPON THE APPROVAL OF THE FOREIGN DISCLOSURE OFFICE.					
2. THE CONTRACTOR SHALL USE THE MOST CURRENT AMENDMENTS APPLICABLE TO EACH MIL SPEC, MIL STD, INDUSTRY SPEC OR INDUSTRY STD AS OF THE EFFECTIVE DATE OF THIS CONTRACT UNLESS OTHERWISE NOTED.					
FURNISHED METHOD CODE LEGEND:					
C - CLASSIFIED DOCUMENT.			X - DATA SUPPLIED (NOT IN JEDMICS).		
S - FURNISHED WITH SOLICITATION			R - FURNISHED BY PCO UPON REQUEST.		
M - STABLE BASE DRAWING REQUIRED; FURNISHED WITH CONTRACT AWARD.			P - PARTIAL DOCUMENT FURNISHED. V - VENDOR DRAWING; (NOT PROVIDED).		
			G - GOVT DOCUMENT. O - OTHERS, CONTRACTOR MUST ACQUIRE. A - DATA NOT AVAILABLE.		

TECHNICAL DATA PACKAGE - ENGINEERING NOTES (ENs)		PAGE 1
		OF 3 PAGES
NATIONAL STOCK NUMBER 5306-00-526-4027NY	PART NUMBER J645P14A	Date: 25 Mar 08

General Notes

A. Part Marking (bag & tag) shall be in accordance with (IAW) MIL-STD-130.

Controlled Processes and Materials

A. Wrenching Configuration

B. Machine Features

X WHEN CHECKED BELOW OR LISTED IN THESE NOTES, DEFINITIONS APPLICABLE TO THIS PRODUCT ARE OR HAVE:

(A) **ENGINEERING CRITICAL IN APPLICATION:** An item which requires special manufacturing process, controls, and testing of material or end items. Because of its use or application, failure to maintain the highest reliability of such an item could be catastrophic resulting in loss of life or serious injury, loss of a weapon system or extensive secondary damage, with direct impact on the capability to respond to a national emergency or to achieve wartime sustainability.

(B) **COMPLEX:** Items having quality characteristics not wholly visible (hidden characteristics), in the end product for which contractual conformance must be established progressively through precise measurements, tests or controls applied during purchasing, manufacturing, performance, assembly and functional operation either as an individual item or in conjunction with other items [FAR SUBPART 46.203(b)].

(c) **COMMERCIAL:** Described in commercial catalogs, drawings or industrial standards [FAR SUBPART 46.203(a), (1)].

(D) **CRITICAL CHARACTERISTICS:** Characteristics which, when defective, are likely to result in hazardous or unsafe conditions for individuals using, maintaining or depending upon the product; or, are likely to prevent performance of the tactical function of a major end item such as an aircraft, missile, space vehicle, engine or a major part thereof. (Derived from MIL-STD-1916).

(E) **MAJOR CHARACTERISTICS:** Characteristics (other than critical or minor), which, when defective, are likely to result in failure or to reduce the usability of the product or a major end item for its intended purpose. (Derived from MIL-STD-1916).

(F) **MINOR CHARACTERISTICS:** All characteristics not designated as Critical or major but for which full conformity is required.

THIS PRODUCT HAS BEEN DETERMINED TO BE OR CONTAINS (AS CHECKED BELOW):

- Engineering critical in application.
- Critical characteristics.

TECHNICAL DATA PACKAGE - ENGINEERING NOTES (ENs)

PAGE 2

OF 3 PAGES

NATIONAL STOCK NUMBER  
5306-00-526-4027NY

PART NUMBER  
J645P14A

Date:  
25 Mar 08

- Major characteristics.
- Minor characteristics, all excepting critical and major.
- Complex.
- Available as a commercial product.

X When materials, processes or components are to be obtained from directed sources as indicated herein or in the specifications, alternate sources may only be utilize upon prior approval by the contracting officer of this procuring activity as a deviation.

X Bidders are requested to notify the contracting officer in writing as soon as is practicable of any drawing, specification, standard or other required technical data which is of more current date/revision than that shown on the Engineering Data List.

X Contractor is authorized to the extent specified herein to use standards, specifications, and other required technical data which are of a more current date/revision than those shown on the Engineering Data List. Proposed changes to revision-in-use other than those allowed by this paragraph must be submitted in writing to the contracting officer for approval by the cognizant engineering authority.

a. **VENDOR DRAWINGS, VENDOR MASTER DRAWINGS (MYLARS), AIRFOIL DATA, CONTOUR DATA, AND PERFORMANCE DATA:** (e.g. 1234m56, 658972, AD658972, IC658972, IF-658972) Revisions specified on the ENGINEERING DATA LIST are the revisions to be used for manufacturing. Requests to use later revisions must be submitted for approval in writing to the contracting officer, along with the newer revision document, for approval by the cognizant engineering authority.

b. **VENDOR SPECIFICATIONS, VENDOR STANDARDS, INSPECTION PHOTOGRAPHS:** (e.g. P1TF3, PWA360, EPS14500) The revisions specified on the Engineering Data List form a baseline minimum revision status, and are the most recent revisions the government can provide. No revision before that shown in the Engineering Data List will be used. Revisions later than those specified in the Engineering Data List may be used provided:

1. The contractor notifies the contracting officer in writing of the revision to be used, and
2. The new revision does not and will not affect form, fit, or function of the part, process, or material being manufactured and/or supplied, and
3. Use of the new revision will not increase the cost to the government of compensation for the product being supplied, and

TECHNICAL DATA PACKAGE - ENGINEERING NOTES (Ens)

PAGE 3

OF 3 PAGES

NATIONAL STOCK NUMBER  
5306-00-526-4027NY

PART NUMBER  
J645P14A

Date:  
25 Mar 08

4. The Engineering Notes do not contain a clause specifically excluding the allowances of this paragraph.

**c. INDUSTRY SPECIFICATIONS/STANDARDS, MILITARY**

**SPECIFICATIONS/STANDARDS, QUALIFIED PRODUCT LIST (QPL):**

(e.g. AMS 5613, ANSI Y14.5, MIL-STD-130, QPL 25135) The revision to be used will be the revision in effect on the dates of opening of solicitation. Later revisions of these documents are approved for use provided:

1. The new revision does not and will not affect form, fit, or function of the part, processes, or material being manufactured and/or supplied and
2. Use of the new revision will not increase the cost to the government of compensation for the product being supplied.

Lower tier specifications listed in or referenced by first tier specifications may not be shown on the data lists or engineering notes accompanying this contract but are nonetheless required by this contract for compliance. Exceptions would occur only when such lower tier requirements have been specifically waived or substitute specifications/requirements are designated herein.

Reports, process sheets, inspection methods sheets and all other documents required by specifications imposed by this contract for contractor compliance which were previously required to be submitted to a prime design contractor shall be held at that facility for review by government personnel.

When prime design source specifications require or provide for participation by that prime source quality, manufacturing, laboratory or engineering support services, these requirements or provisions do not apply when the contract was issued by this procuring activity. For these services or direction pertaining thereto, contact the cognizant government contract administration office or this procuring activity for assistance.

The contractor is responsible for assuring that all dimensions, conditions, tests and test results identified in these engineering notes, applicable drawings, specifications and contract quality requirements are met by themselves and their suppliers. This requirement applies to all characteristics whether those characteristics have been specifically designed as being critical, major or are those minor characteristics not specifically designated as such.

Prior to beginning of manufacture, the contractor will notify the Engineering office of this procuring activity of all manufacturing processes and processing procedures intended for use in production of this product. Once these processes are established, no changes shall be made without prior approval of the engineering office of this procuring activity.

Serialization of each part/assembly (contract end item) is required.