14153 **QAP-CSI001737532**
DTD 20 OCT 09

DEFENSE SUPPLY CENTER PHILADELPHIA
QUALITY ASSURANCE PROVISION

NSN: 5310-00-173-7532
P/N 4020t42P01

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

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_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):

- [X] Engineering critical in application.
- [ ] Critical characteristics
- [X] Major characteristics
- [X] Minor characteristics, all excepting critical and major.
- [ ] Complex
- [ ] Available as a commercial product

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_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
   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

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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.

_X_ 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.

_X_ 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.

_X_ 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.

_X_ 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.

_X_ 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.

TECHNICAL DATA PACKAGE - ENGINEERING NOTES (ENs)

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I. GENERAL NOTES

A. PARTS SHALL BE IDENTIFIED PER MIL-STD-130 USING THE METHOD(S) SPECIFIED BY P23TF3 AND THE APPLICABLE DRAWING(S).

B. MAJOR CHARACTERISTICS ARE IDENTIFIED BY THE SYMBOL Θ PER GE SPECIFICATION P1TF3 AND THE APPLICABLE DRAWING(S).

II. CONTROLLED PROCESSES

1. FLUORESCENT PENETRANT INSPECTION
2. MATERIAL