

## PURCHASE ORDER ATTACHMENT TQA-32 (01)

### FIRST ARTICLE INSPECTION/TEST REQUIREMENTS

The Seller shall conduct a complete first article inspection and/or test on one part chosen from the first production lot of the initial Purchase Order. The part shall be representative of the production lot. For parts that are the product of a die or mold, the first article inspection shall be performed on one piece per cavity. The First Article does not need to be performed again unless one of the Change Notification events listed below occurs or Raytheon Supplier Quality specifically requests a new First Article because of Quality concerns.

#### **REPORTS:**

The first article inspection report shall show the actual measured values, the number of observations for each drawing characteristic, and the specified acceptance inspection requirement.

**Non-source inspected items** -- A report shall be submitted to Raytheon along with the first shipment of the Purchase Order. The actual part(s) inspected must:

1. Accompany the first shipment of the Purchase Order.
2. Be conspicuously marked and easily retrieved from the shipment.
3. Be identified by cavity, either on the part or on the package when produced by a multicavity die or mold.

**Drop shipment of perform parts** to machining suppliers prior to acceptance of the perform first article by Raytheon representative is prohibited.

**Source inspected items** -- Seller shall notify Buyer's Source Representative a minimum of seven (7) days prior to the performance of first article inspection(s) and/or test(s). Buyer's Source Representative reserves the right to witness first article inspection(s) and/or test(s) related to the manufacture of these parts. First article inspection report shall be presented to the Buyer's Source Representative prior to shipment. Reports shall be retained by the Seller unless otherwise stated in the Purchase Order.

**Raytheon Division items** -- The quality organization of the Raytheon's performing division shall conduct first article inspection and/or test and shall retain reports unless otherwise stated in the procurement document.

**Change Notification** The supplier is required to notify the Buyer of any change of sufficient significance that may require that a complete FAI/T (First Article Inspection/Test) be conducted on the first production item manufactured after such change. For information, the following definitions will be used by the Buyer in evaluating the type and significance of the capability change.

**Change to Facility/Processing Equipment.** A facility change is a change in or to tools, test equipment, measuring or aligning fixtures, processing tanks, or equipment, machinery, machine set-ups, other plant manufacturing equipment, etc., used to manufacture, process, assemble, inspect and/or test the item.

**Change to Procedures.** A change in or to the methods, procedures, planning and/or sequencing used in or applicable to the manufacturing, processing, assembly, inspection and/or test of an item.

Change in Location. A change in location of the site where some or all of the work on items is being performed. It may be as little as moving an assembly line, and it may or may not involve a change in facilities, procedures, personnel and/or processing sources.

Change in Source of Processing. Such changes may be from an outside processing source to within the Supplier's facility, from within the Supplier's to an outside processing source, or from one outside processing source to another.

**Interruption of Production.** A complete FAI/T will be required prior to shipment of hardware if one year or more has elapsed since the last production item was produced.

**The verification or acceptance** of first article inspection and/or test shall not constitute acceptance of subsequent items or relieve the Seller of any obligation to perform in strict compliance with all provisions of this Purchase Order.

**Reworked items** -- The contents of this paragraph do not apply to those items returned to Seller for rework of nonconformances.