

**Raytheon Quality Note**  
**GT****Revision - Date**  
**8 – 1/22/21**

## **REQUIREMENTS FOR SUBMITTAL OF**

## **INSPECTION AND/OR TEST DATA**

### **REVISION HISTORY**

- Revision 8 replaces revision 7 dated 08/12/2020.
  - This revision incorporates requirements from Quality Note KS (Lot Acceptance Test) in order to consolidate similar requirements.
- The applicable revision of this document is determined by:
  - The revision specified on the Purchase Order, or
  - The revision in effect at the time of the Purchase Order if no revision is listed on the Purchase Order.

### **REQUIREMENTS**

1. Seller shall ensure the requirements of this document are flowed to and complied with by sub-tier suppliers and processors.
2. Seller shall ensure that the sub-tier supplier data required herein is provided to Raytheon.
3. Seller shall generate test and inspection data demonstrating compliance to the requirements specified in the drawing or the Purchase Order.
4. Seller shall ensure the data submitted covers the lot of the material being shipped.
5. Seller shall provide variables data for all measured characteristics and attribute data when there is no measured value or when required by the specification. This may include:
  - 5.1. Drawing notes that require inspection or test data;
  - 5.2. Dimensions; and
  - 5.3. Material, Process, and Hardware requirements in the Quality Conformance Inspections section of the Raytheon Material, or Process Specifications.
6. If computer generated data is created, Seller shall generate an instruction package tracing Seller's test or sequence number to the Raytheon drawing parameters.
7. For Military, Federal, or Commercial Specifications or Commercial Off-The-Shelf (COTS) Part Number(s), Seller's standard testing data shall satisfy the requirements of this Q-Note.
8. The exact format of the submitted data may vary from Seller to Seller, but shall contain the following minimum requirements:

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- 8.1. Seller's name, sub-tier supplier, or original manufacturer's name, if different than Seller;
  - 8.2. Raytheon Purchase Order number, including revision number;
  - 8.3. Raytheon Part number and revision;
  - 8.4. Drawing/specification/seller planning revision level;
  - 8.5. Test/inspection results, conditions, and parameters;
    - 8.5.1. Attribute results shall indicate whether data falls within the tolerance (Pass/Fail).
    - 8.5.2. Variable results shall record the exact measurement obtained for each measured design characteristic for the part.
  - 8.6. Computer test instruction package, as applicable;
  - 8.7. Quantity of items in lot and quantity of items tested/inspected, including sampling Plan Level (AQL%), where applicable;
  - 8.8. Serial number(s), lot/batch/heat number(s) or date code(s) where applicable;
  - 8.9. Date of test/inspection; and
  - 8.10. Authorized agent's name and position, or acceptance stamp, and date (electronic signature is acceptable).
- 9.** When required on the TDP, Seller shall provide Lot Acceptance Test (LAT) data.
- 9.1. Seller shall ensure LAT data and samples are contained in the same shipment as the hardware.
  - 9.2. Special instructions for chip manufacturers:
    - 9.2.1. Sample selection for LAT shall be randomly selected from the total population of chips comprising a single inspection lot.
      - 9.2.1.1. The actual sample size and any special criteria shall be in accordance with the associated specifications.
      - 9.2.1.2. In the case of an inspection lot comprised of more than one wafer, it is NOT acceptable to select all samples for a single wafer.
      - 9.2.1.3. Use of a software random sample number table (random sample is a subset of a statistical population) is encouraged.
      - 9.2.1.4. Wafers from the same wafer/manufacturing lot which are NOT included in the population sample shall not be considered part of the qualified lot, i.e., require an additional random sampling for LAT, as a new inspection lot.
- 10.** Seller shall provide a copy of the test and inspection data with each shipment.
- 11.** Seller shall maintain a copy of all test and inspection data, made available for Raytheon review, after final shipment of material for the Purchase Order as determined by the applicable records retention Q-Note on the Purchase Order.

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**DATA SUBMISSION SUMMARY**

- Seller to deliver the following data to Raytheon for information as required by this document:
  - Test and inspection data per the Requirements.
  - LAT data per the Requirements (when required on the TDP).