

GENERAL DYNAMICS

Ordnance and Tactical Systems

Weapons Systems Supplier Quality Requirements Site 21-Quality – Williston VT / Saco ME

Quality Clause	Revision	Phase In Date
Q8	1	10/12/2020

Q8–Test and Inspect Inst./Manuf./Process Control

Requirements

The Supplier shall prepare and maintain written instructions for tests and inspections performed on this contract. If no test requirements are flowed with the TDP, the Supplier shall contact the Buyer to receive those requirements. The instructions shall include identification of the item to be tested or inspected, all test and inspection characteristics and conformance criteria, test equipment and gauging to be used, including a schematic (if applicable), level of test or inspections, and method of recording results. The Supplier shall submit copies of all test and inspection instructions to General Dynamics for review and approval prior to implementation. Quality instructions (QIs), previously approved on another General Dynamics contract, need not be resubmitted unless significant changes have been made whenever: 1) methods or processes used to manufacture the part have changed; 2) the part is manufactured at a different facility; 3) there has been more than a two-year lapse in production; 4) there has been a change in sub-tier suppliers.

Electrical Test Documentation and Marking

The following information is provided as clarification of the test requirements for all electrical/electronic parts/assemblies supplied under GD-OTS Purchase Orders:

A) Testing is to be performed on 100% of the parts/assemblies according to requirements provided in the Purchase Order and/or Technical Data package (TDP). (Suppliers must notify GD-OTS, through the GD-OTS buyer, if test requirements for electric/electronic assemblies/parts are not specified on the purchase order or TDP.)

B) The following applies where QIs are specified as the source of test requirements. When testing is performed according to the requirements from other sources, such as drawings, imbedded text in the P.O., GD-OTS specifications, or some other source required by the P.O., the requirements of I. and II. below shall apply.

I. When tests are performed to QIs where a Test Data Sheet is part of the QIs, and the parts are serialized or identified with a sub-number, a copy of the completed data sheet and Test Certification shall accompany the part. The part/assembly and the Test Data Sheet shall be stamped with a test stamp indicating acceptance of the part/assembly to the test.

Printed copy for reference only.

For current version, see: www.gd-ots.com/Williston/QC/

II. When tests are performed to QIs where a Test Data Sheet is not part of the QI, and the parts are serialized or identified with a sub-number, a completed Test Certification shall accompany the part. The part/assembly and the Test Certification shall be stamped with a test stamp indicating acceptance of the part/assembly to the test. Test Certifications shall be labeled as “Test Certification” and must include, as a minimum:

1. Part Number and Revision
2. Purchase Order number
3. Test reference and revision level, i.e., the source of the test, for example:
 - a. QSI (Number, Title)
 - b. Drawing (Number and Note(s))
 - c. P.O. embedded instructions
 - d. Approved Supplier test procedure (Number, Title)
 - e. Quality Test Instruction (QTI)
4. Itemized list of included Serial Numbers or Sub-numbers
5. A part quantity
6. Statement that all Parts listed have been tested to (referenced document) and have passed the test requirements and that the documentation (objective evidence) of the production and test of these parts/assemblies is on file with the supplier.
7. Tester’s name or initials
8. Test stamp
9. Date

III. When tests are performed to QIs where a Test Data Sheet is not part of the QI, and the parts are not serialized or identified with a sub-number, a completed Test Certification shall accompany the part. The part/assembly and the Test Certification shall be stamped with a test stamp indicating acceptance of the part/assembly to the test. Test Certifications shall be labeled as “Test Certification” and must include, as a minimum, all the items listed above except item 4.