

GENERAL DYNAMICS

Ordnance and Tactical Systems

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

Quality Clause	Revision	Phase In Date
Q44	0	04/02/2019

Q44–Inspection Equipment Acceptance

Requirements

Acceptance Inspection Equipment (AIE) the supplier is responsible for acquiring and assuring all inspection and test equipment is appropriate and capable of the required accuracy and precision for determining conformance to design, performance or process during its use on contract production. All test and inspection equipment shall be calibrated with accuracy traceable to the national institute of standards and technology (NIST) or equivalent international standards. The supplier shall validate and assure that all product measurements using non-standard inspection equipment are the same as measurements using standard measuring equipment. The validation shall be based on results of actual measurements of samples representing production parts. Objective data providing this assurance shall be included in the calibration records, and in any event, shall be verified prior to use of non-standard measuring equipment for production acceptance. Subsequent revalidation is required for instances where changes in product features or wear in the equipment may influence measurement accuracy or precisions. The supplier is responsible for providing all AIE unless otherwise specified, and for the proper storage, handling, and use of all AIE necessary to assure conformance of components and end items to contract requirements. Supplier furnished AIE shall be made (i) in accordance with the equipment drawings specified in the contract, or (ii) in accordance with any other design, provided that General Dynamics and the government approve the design documentation. The designs for all supplier-provided AIE shall be submitted for approval IAW the applicable CDRL item or as directed by General Dynamics quality engineering. When required, conceptual designs, for supplier provided AIE, shall be submitted 30 days before the submission of final designs. Final designs for all supplier-provided AIE shall be submitted for approval not less than 45 days before FAT. All submissions must contain sufficient design and application data to permit evaluation of the design's ability to test or measure the characteristic or parameter with the required accuracy and repeatability. The government has reserved the right to disapprove, at any time during performance of this contract, use of any AIE not meeting the requirements .resubmission of AIE design documentation for approval on follow-on contract is not required provided inspection characteristic parameters specified in the current technical data package and the previously approved AIE design documentation remains unchanged. The supplier shall provide the contract number and identify previously approved AIE documentation that meets the above prerequisites. All AIE shall be available for use prior to first article submission or prior to initiation of production under this contract.