



Section 6 : QUALITY ASSURANCE CLAUSES / CQAR

628. Ordnance Requirements (10/1/96). The following requirements apply to each item/lot shipped under this contract.

(a) Ordnance Data Review Notification.

(1) Seller will notify Buyer's authorized purchasing representative a minimum of three working days in advance of scheduled Lot Acceptance Test (LAT) firing in order for Buyer's Engineering to schedule its representative to witness the LAT at Seller's location.

(2) An advance package of all nondestructive test reports, build paper, in-process discrepancies, and any additional pertinent data relative to the lot to be tested will be made available to Buyer at the test site no later than one day prior to the scheduled test firing.

(b) Authorized Purchasing Representative Notification. Seller will notify Buyer's authorized purchasing representative upon completion of the preliminary data package. Buyer's Engineering and Quality Assurance will conduct an on-site review of the data package and provide an Ordnance Device Certification Statement (Buyer Form SSC-0684) for approved packages.

(c) Preliminary Test Data Package. Preliminary test data and supporting documentation will be reviewed and approved by Buyer's Engineering and Quality Assurance prior to shipment of ordnance. The preliminary data package will contain all reports, certifications, and acceptance data obtained during the manufacture/test of the lot. Required data includes the following certifications:

(1) Manufacturer's Certification of Conformance. Seller will include with each shipment a certification which states that the ordnance shipped meets all applicable specification requirements. The certification will also include:

(A) Name and address of Seller.

(B) A list of specifications, including revision numbers or letters, that controlled the manufacture of the ordnance.

(2) Ordnance Lot Control Certification (Applicable if MIL-STD-1168 is imposed). Seller will include with each shipment a certification which states that the furnished lot complies with the lot control requirements of the applicable material specifications and/or MIL-STD-1168, Ammunition Lot Numbering. The certificate will list the specifications, including revision numbers or letters, to which the certification applies.

(3) Nondestructive Test (NDT) Certification. Seller will include with each shipment a certification that bears the legible name of an authorized representative of Seller. The certification will list the NDT specifications, including revision numbers or letters, and will state that the required tests have been performed and found to be acceptable.

(4) Supplier Certification of Conformance - Approved Process Certification (Applicable if CQAR 5 Processes are imposed).

(A) Buyer requires that certain processes be performed by sources that have been surveyed and approved by Buyer. The processes that must be performed by an approved processor are listed in Buyer Corporate Quality Assurance Regulation

(CQAR) 5, MDC Process Sources - Survey, Approval and Documentation. A list of the approved processors is available from Buyer's authorized purchasing representative. Processors not listed in the Buyer-approved processors list must be surveyed and approved by Buyer prior to performance of the process. Requests for processor surveys will be submitted to Buyer's authorized purchasing representative.

(B) Seller will submit a Supplier Certificate of Conformance form (Form MD-0021) or its own equivalent process certificate. The certificate will include all CQAR 5 process specifications and descriptions incorporated into this contract and list the names and addresses of the processors that were used by Seller and its subcontractors. Part numbers and this contract number will also be listed on the certificate.

Note: Neutron Radiographic (N-Ray) Inspection. If N-Ray inspection is performed in accordance with the requirements of MIL-STD-1576, Electroexplosive Subsystem Safety Requirements and Test Methods for Space Systems, the inspection will be performed by a processor that is currently approved by Buyer under the provisions of CQAR No. 5 to perform N-Ray inspection in accordance with the requirements of Specification STP-0445.

(d) X-Ray/N-Ray Requirements. One set of X-Rays/N-Rays will be retained by Seller. Seller will not dispose of X-Rays/N-Rays unless authorized in writing by Buyer. X-Rays/N-Rays will be made available to Buyer on an expedited basis, as directed by Buyer's authorized purchasing representative.

(e) Documentation to be Shipped With Ordnance. Seller will include the following documentation with each ordnance shipment:

- (1) Seller's shipping report stamped by Buyer's Quality Assurance and Government Source Inspection (if required).
- (2) Buyer's Ordnance Device Certification Statement.
- (3) Material Safety Data Sheet (MSDS).

(f) Data Package Retention/Shipment. At the time of ordnance shipment, Seller will retain the preliminary data package to be used in compiling a final test report per SDID E052-2 (revision at the time of procurement, unless otherwise negotiated). A duplicate preliminary data package per SDID E005-41 (revision at the time of procurement, unless otherwise negotiated), will be delivered to Buyer's authorized purchasing representative. The data package delivered will, as a minimum, consist of:

- (1) A copy of Seller's shipping report, stamped by Buyer Quality Assurance.
- (2) A copy of the Manufacturer's Certification of Conformance, stamped by Buyer's Quality Assurance.
- (3) If required, a copy of the Supplier Certificate of Conformance (Form MD-0021) or Seller's equivalent for Process Approvals, stamped by Buyer's Quality Assurance.
- (4) A copy of Buyer's Ordnance Device Certification Statement (Form SSC-0684).
- (5) If required, a copy of the Ordnance Lot Control Certification, stamped by Buyer's Quality Assurance.
- (6) A copy of the NDT Certification, stamped by Buyer Quality Assurance.
- (7) A copy of the Acceptance Test Data as required by Buyer's Specification Control Drawing or Source Control Drawing, stamped by Buyer's Quality Assurance.

(8) Other data required by this contract.

(g) Final Ordnance Data Package. The final ordnance data package will be assembled, compiled, and submitted in accordance with SDID E052-2 (revision at the time of procurement, unless otherwise negotiated).

(h) Data Package Review at Buyer.

(1) If Buyer elects to review the preliminary data package at Buyer's facility, Seller will ship one data package to Buyer.

(2) Buyer will retain the preliminary data package and provide notification of approval, including a signed copy of the Ordnance Device Certification Statement.

(3) Buyer's Quality Assurance will accept the ordnance after satisfaction of the data package approval requirements.

(4) Seller will retain the other data package and include Buyer's Ordnance Device Certification Statement and Seller's shipping report stamped by Buyer's Quality Assurance with the ordnance shipment.

(5) As required by Buyer's specification, Seller will utilize the raw acceptance data to prepare the final lot acceptance test report and submit two copies to Buyer's authorized purchasing representative.