



## Section 6 : QUALITY ASSURANCE CLAUSES / CQAR

---

628. Ordnance Requirements (5/9/02). The following requirements apply to each item/lot shipped under this contract and shall take precedence over data-submittal requirements of any other quality clauses (i.e., 600-series and Q-series clauses) incorporated in this contract. Engineering data such as supplier data item descriptions (SDIDs) and subcontract data requirements lists (SDRLs) shall be submitted in accordance with the contract requirements.

### (a) Requirements Prior to Lot Acceptance Test (LAT) Firing

(1) Seller will notify Buyer's Authorized Procurement 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 firing of LAT samples.

(2) Seller will prepare an advance data package consisting of production acceptance test report (PATR) (e. g., nondestructive test reports, applicable X-ray/N-ray films, and environmental test reports), build paper, rejection reports, certifications, and any additional pertinent data relative to the lot to be tested. The data package will be made available to Buyer's authorized representatives at the test site no later than one day prior to the scheduled test firing.

(3) Buyer's Engineering and Quality Assurance representatives will conduct an on-site review of the data package. When the data package is acceptable and after completion of successful LAT firing, Buyer's Engineering and Quality Assurance representatives will sign and stamp, respectively, the Ordnance Device Certification Statement (Form MD-0684), which Seller will include with each shipment.

### (b) X-Ray/N-Ray Requirements

(1) One set of X-Ray/N-Ray films will be retained by Seller and made available to Buyer upon request. Seller will not dispose of X-Ray/N-Ray films and reports unless authorized in writing by Buyer.

(2) N-Ray inspections required by MIL-STD-1576, Electroexplosive Subsystem Safety Requirements and Test Methods for Space Systems, will be performed by a processor that is listed in Document D1-4426, Approved Process Sources, as having been approved by Buyer to perform N-Ray inspections in accordance with the requirements of specification STP0445, Neutron Radiographic Inspection.

### (c) 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).

### (d) Ordnance Data Review Requirements After Shipment of Hardware

(1) Seller will prepare a data package as specified by SDID E005-41, Production/Lot Acceptance Test Report. Seller will submit a copy of the data package to Buyer's Authorized Procurement Representative for review and approval. The data package will include a true copy of production acceptance (non-destructive) and lot acceptance (destructive) test results obtained during manufacture/test of the lot, build papers, certifications required by the contract, and ordnance lot control certification (applicable if MIL-STD-1168, Ammunition Lot Numbering and Ammunition Data Card, is imposed).

(2) Buyer's Authorized Procurement Representative will notify Seller that the data package is acceptable or that additional data is needed.

#### (e) Final Ordnance Data Package Review Requirements

(1) Upon Buyer's acceptance of the PATR and LAT report, Seller will submit two copies of the final ordnance data package to Buyer's Authorized Procurement Representative. The final ordnance data package will consist of documentation specified by SDID E052-2, Ordnance Data Package (for Delta II and III), and E052-3, Ordnance Data Package (for Delta IV).

(2) Buyer's Authorized Procurement Representative will notify Seller that the final ordnance data package is acceptable or that additional data is needed.

#### (f) Ordnance Data Retention

(1) Seller will retain all data generated during manufacture/test of each lot of deliverable ordnance. The data will be made available to Buyer upon request.

(2) Data retention will be as prescribed by the contract.

(3) No data will be disposed of without written authorization from Buyer.