



Section 6 : QUALITY ASSURANCE CLAUSES / CQAR

640. Buyer's Review of Manufacturing Controls for Pyrotechnic Devices (11/1/99) For each production lot of each pyrotechnic device furnished under this contract, Seller shall make provisions for the following reviews by Buyer:

(a) **Baseline Review (Phase I).** Seller shall begin fabrication of detail parts for a pyrotechnic device only after Buyer has established a hardware baseline for such device. The hardware baseline will be established through Buyer's review, at Buyer's plant, of Seller's drawings, specifications, and related procurement, fabrication, processing, test, and quality control procedures, as required by Buyer's Procurement Data Requirements Document (PDRD) QA15A, "Pyrotechnic Data," as incorporated in this contract. For a previously qualified device, Buyer will accomplish this review five weeks after placement of this contract. For an unqualified device, Buyer will accomplish this review after Critical Design Review.

(b) **Production Review (Phase II).** Seller shall secure specific authorization from Buyer prior to the explosive loading of any device. Seller shall give Buyer at least two weeks prior notification, in writing, of the date on which explosive loading is scheduled to begin. Buyer will send a review team to Seller's manufacturing facility for an on-site verification of Seller's implementation of quality-system and hardware-baseline requirements, and for a detailed correlation review of associated drawings, specifications, tooling, equipment, facilities, procedures, manufacturing environments, and personnel qualifications.

(c) **Lot Certification Review (Phase III).** Seller shall secure specific authorization from Buyer before shipping pyrotechnic devices under this contract. When Buyer, at Buyer's plant, determines that Seller's X-Ray and N-Ray films and associated data indicate an acceptable lot of pyrotechnic devices, Buyer will send a lot-certification review team to Seller's manufacturing facility. Buyer's review team will perform an in-depth verification of Seller's supporting documentation and data required by Buyer's PDRD QA15A.