

Quality Requirements
Q6R - Software - Deliverable & Non Deliverable

*Revised

**Added

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Notice: A hard copy of this document may not be the document currently in effect. The current version is always the version on the Lockheed Martin network.

- A. Seller shall implement and maintain a Software Quality Assurance ("SQA") program acceptable to Buyer for engineering design, development, testing and delivery of stand alone or embedded software products associated with this purchase order ("PO").
- B. Seller shall implement, and comply with a Software Quality Program Plan ("SQPP"), organized and documented in Seller format, which defines Seller's software quality program to Buyer. Seller's SQPP is subject to Buyer approval or disapproval. Buyer reserves the right to conduct periodic evaluations of Seller's compliance with the SQPP.
- C. Seller's SQA program shall include review and audit of software development processes, products and activities, as required by Seller, to assure compliance with applicable planning, procedures, and standards. Seller's program shall provide internal and Buyer visibility into software quality program trends.
- **D. Seller shall establish and maintain, as part of the Quality System required by this PO, a system which provides for evaluation of each non-deliverable software item used in the automated manufacturing of deliverable hardware or in the qualification or acceptance of deliverable software or hardware.

This system shall assure that:

- 1. Required functions of the non-deliverable software are defined, in writing, and objective evidence exists prior to the intended use of such software, that such software performs the required functions.

2. The non-deliverable software is placed under internal configuration control prior to its use and such internal configuration control is maintained throughout its use.

E. Buyer's software quality representatives shall have the right to conduct in-process inspection of Seller's software development process defined in the SQPP and evaluate Seller's compliance with its internal procedures and other applicable documents at Seller's facilities.

**** Exclusion:** This document does not apply to the development process for programmable logic elements of microcircuits that perform combinatorial or sequential logic (Boolean) functions which are developed using hardware development techniques. These items are subject to hardware development process requirements. However, this document does apply to the development process for programmable devices used to store executable instructions or data operands which control the detailed operation of a microprocessor or integrated micro controller (commonly known as firmware).