

Quality Assurance

1.0 Definition of Terms:

1.1 The term “shall”, “will” and “may” are used with specific intent throughout these documents and will observe the following rules:

- 1.1.1 Requirements defines using “shall” in the text are mandatory requirements and are considered to be binding and require formal verification. Departure from such a requirement is not permissible without formal agreement between Subcontractor and CSPI.
- 1.1.2 Requirements defined using “will” in the test expresses provision or service by CSPI or an intention by CSPI in connection with a requirements of this document, The Subcontractor is implicitly authorized to relay on such service or intention.
- 1.1.3 The word “may” in the text expresses a permissible practice or action. It does not express a requirement of this document.

2.0 Quality Management Plan

2.1 The Subcontractor shall implement and maintain a documented Quality management System (QMS) that complies with the requirements of ISO 9001, and or AS9100 and or AS9120 or equivalent.

- 2.1.1 The QMS shall address all aspects of Program Management, Design, Contracting, System Engineering, Software and Hardware, test and evaluation, Logistics, Safety, Configuration Management, Critical Safety Items and manufacturing processes.
- 2.1.2 The QMS shall identify, handle, and mitigate risk to the program’s scheduled, performance.
- 2.1.3 THE QMS shall monitor, measure, analyze, control, and prove process, reduce product variation; measure/verify product conformity; establish mechanisms for field product performance feedback, and implement an effective root-cause Failure Reporting Analysis and Corrective Action System.
- 2.1.4 The Subcontractor shall be responsible for providing all resources needed to verify and validate that the design, manufacture of hardware, software development, deliveries and support services meet all contract and technical requirements.

3.0 Program Quality Control Plan

3.1 The Subcontractor shall utilize the existing, approved Program Quality Control Plan. Any changes to the existing QCP shall be approved by CSPI.

4.0 Quality Assurance Requirements

4.1 The Subcontractor’s Quality Assurance personnel will verify final inspection, acceptance and testing to provide objective evidence of conformance prior to delivery.

5.0 Quality Metrics for Production Units

This document is an integral part of the purchase order. The revision in effect at the time the purchase order was placed applies.

- 5.1 The Subcontractor shall collect and present the following data monthly at each Management review or provide it to the Buyer in the event the management Review is Waived for a given month:
 - 5.1.1 Incoming Inspection Failures
 - 5.1.2 First pass yields at each testing operations
 - 5.1.3 FRACAS activities
 - 5.1.4 Printed Circuit Board inspection results and scrap data
- 6.0 CSPI shall provide performance feedback to its Subcontractors in the following manner:
 - 6.1 The Subcontractor will be notified of a nonconformance
 - 6.2 The Subcontractor's performance is based on the nonconformance activity against the receipts.
 - 6.3 Performance below 75% in both quality and delivery may result in any and or all of the following actions by CSPI:
 - 6.3.1 Issuance of a Corrective Action
 - 6.3.2 Suspension of procurement activities until resolution of the issue
 - 6.3.3 Disqualification of the Subcontractor

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