

**Raytheon Quality Note**  
**EG**

**Revision - Date**  
**0 – 02/14/02**

## **RELIABILITY PROGRAM PLAN**

The supplier must document, submit (when requested), and implement a Reliability Program Plan as detailed below.

A written Reliability Program Plan shall be implemented for the product(s) covered by the Purchase Order. The plan must contain a title page which is signed by the supplier's Quality or Reliability Manager or his designee. The plan shall include the following sections:

### **1.0 ORGANIZATION**

An Organization chart shall be included which reflects responsible offices for the management and maintenance of the reliability of the product delivered. The lines of authority and task description shall be clearly defined. Names of personnel are not a requirement.

### **2.0 RECORDS**

The plan must indicate that adequate tests are performed, records kept, and yield data of the in-process inspection and test stations specified in the flow chart(s) which are to be available for review by Raytheon.

### **3.0 TEST/INSPECTION PROCEDURES, SPECIFICATIONS AND PLANS**

A list of all test/inspection procedures and specifications, test equipment, operational procedures, inspection and test sampling plans, and procedures for handling, storage, preservation, packaging, and shipment, shall be generated. This list shall include the applicable date of issue for each procedure (inspection and test) by number and revision.

### **4.0 PROCESS CONTROL**

Manufacturing flow charts, which define in sequential order the manufacturing, assembly, fabrication, inspection and test operations for the product being delivered are required. All critical steps and processes shall be identified by an asterisk. Should the supplier decide that all steps are critical, or that none are critical, a statement must be made to that effect in this portion of the plan. These flow charts will reference in-plant procedures applicable to each step in the manufacturing operation and include flow diagrams depicting the flow for failed

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hardware and data.

## 5.0 FRACA SYSTEM PLAN

5.1 The plan shall define a closed loop system that clearly depicts the failure specified levels of assembly prior to acceptance of hardware by Raytheon. The failure analysis shall establish and categorize the cause of failure.

5.2 Procedures for initiating failure reports, the analysis of failures, corrective action feedback into the design, manufacturing and test processes must be identified.

5.3 Provisions shall be made for recording quantities tested and rejected.

5.4 The closed loop system shall assure that effective corrective actions are taken on a timely basis. A follow-up audit shall review all open failure reports, failure analysis, corrective action suspense dates, and their reporting of delinquencies to management.

5.5 Supplier Failure Analysis Reports, acceptable to Quality Engineering shall be generated on all non-conforming units from product level Environment Stress Screening (ESS) testing through Lot Acceptance. This data is to be made available to Raytheon upon request.

5.6 The plan will describe the system and format for failure reporting to Raytheon

Compliance to the plan shall be audited by RSC as appropriate.

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