

**CROSS INDEX
OF RELIABILITY ASSURANCE PROGRAM REQUIREMENTS
(MIL-STD-790 VS. COMPANY DOCUMENTATION)**

Company Name: _____
 Address: _____
 Prepared By: _____
 Title: _____ Date: _____

Please indicate where each program element is covered. If documentation does not exist because a specific program element does not apply, so state and explain. If additional space is required, use a separate sheet. (May be handscripted)

PROGRAM ELEMENT AND MIL-STD-790 PARAGRAPH	LIST COMPANY DOCUMENT TITLE, NUMBER, REVISION, SECTION, PARAGRAPH, PAGE, ETC. (As Applicable)
<input type="checkbox"/> Basic <input type="checkbox"/> Supplemental Program 1. Plan for MIL--	
2. ORGANIZATION (5.1.1)	
a. Responsibility and authority of key personnel and organizations	
b. Key personnel and organizational changes	
3. TEST FACILITIES (5.1.2)	
a. In-plant test areas are identified	
b. Environmental controls	
(1) Humidity controlled to meet part specification requirements	
(2) Temperature controlled to meet part specification requirements	
c. Test equipment	
(1) Qualification equipment identified (DSCC Form 36)	
(2) Quality conformance equipment identified (DSCC Form 36)	
(3) DC power is adequate for the test load	
(4) Maximum permissible variations in electrical power is defined	
4. GIDEP ALERTS (5.1.3)	
5. SUB-ASSEMBLY FACILITIES (5.1.4)	
6. DISTRIBUTORS (5.1.5)	
a. System for validating distributors	
b. Controls and requirements to assure product is of the same quality and performance as product supplied by the manufacturer	
c. Distributors and authorized functions are identified	
7. TRAINING (5.2.1)	
8. CALIBRATION (5.2.2)	SEE DSCC FORM 695
9. PROPRIETARY PROCESSES AND PROCEDURES (5.2.3)	
10. FAILURE AND DEFECT ANALYSIS SYSTEM (5.2.4)	
11. FAILURE REPORTING (5.2.4.1)	
a. Operating or test conditions noted	
b. Provision for noting source	

PROGRAM ELEMENT	LIST COMPANY DOCUMENT TITLE, NUMBER, REVISION, SECTION, PARAGRAPH, PAGE, ETC. (As Applicable)
c. Verification of reported condition	
d. Review and corrective action of field failures within 30 days	
12. FAILURE AND DEFECT ANALYSIS (5.2.4.2) (RECORDS)	
a. Results of analysis recorded	
b. Probable failure activating cause	
c. Recommended corrective action needed.	
13. ANALYSIS CAPABILITIES AND FACILITIES (5.2.4.3)	
14. CORRECTIVE ACTION (5.2.5)	
a. Procedure provided for corrective action and close collaboration with the Government	
b. Prompt notification is given the Government representative regarding any condition or development that may require corrective action	
c. Procedure for plan of action	
d. Procedure to coordinate test plan	
e. Procedure to coordinate design change	
f. Evaluation of prototype parts	
15. CLEAN ROOMS (5.2.6) (WHERE APPLICABLE)	
a. Action limits specified	
b. Absolute control limits specified	
16. PRODUCTION PROCESSES AND CONTROLS (5.2.7)	
a. Flow chart of documentation relationships	
b. Process control equipment and calibration	
c. Definition of permissible power variations	
d. Process specification show process tolerance	
e. Flow charts designate control points for machine setups, machine operations, and final inspection of components, and indicate the inspection/tests required	
f. An adequate number of inspection stations are located at proper intervals and in the proper sequence to assure continuous control	
g. In-process inspectors perform verification and acceptance of and indicate inspection status of each quality characteristic that cannot be verified adequately and economically by end-product inspection	
h. When required, sampling inspection is performed in accordance with approved instructions	
i. Movement and identification of material in-process	
(1) Process sheets indicate in-process inspection points of parts, and require clearance by in-process inspection prior to starting next operation	
(2) Defective parts are properly tagged and segregated until disposition is made	
j. Procedures assure currency of drawings, specifications, and compliance with changes as required by Engineering Change Orders	

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k. Type and amount of inspection and tests	
(1) The degree, duration, number and sequence of final inspections/tests on each end item are sufficient to provide assurance they meet specification requirements	
(2) Latest drawings and operating instructions are available available in the work areas where final inspection and testing occurs	
(3) An inspection and test check list and/or classifications of defects is used and covers all requirements for performance	
(4) Records are available to show results of prior inspection and test and corrective action	
l. Documents and records	
(1) Inspection records and test reports are readily available to the Government representative	
(2) Records contain objective data and are identifiable with the supplies presented for Government acceptance	
m. Quality conformance inspection	
n. Procedures for forming inspection lots	
17. ACQUISITION AND PRODUCTION CONTROL (5.2.8)	
a. Documents are named, numbered, dated, and released and revision dates identified	
b. Purchase documents include quality requirements	
c. When required, purchase documents clearly specify what objective quality data such as test results, chemical analysis, and physical tests must be furnished with each delivery	
e. Procedures provide for prompt notification to suppliers of changes in quality requirements, results of incoming inspection, inadequacy of objective quality data furnished and feedback from further manufacturing, assembly and test processes and field application	
18. STATISTICAL PROCESS CONTROL (5.2.9) (WHEN SPECIFIED)	
19. ACCEPTANCE CRITERIA FOR INCOMING MATERIALS AND WORK IN-PROCESS (5.2.10)	
a. Procedures describe:	
(1) inspection type	
(2) Sampling and test procedures	
(3) inspection date	
(4) quantity tested	
(5) acceptance and rejection criteria	
b. inspection frequency	
20. HANDLING AND PACKAGING (5.2.11)	
a. Measures to prevent damage to parts in embryo stages during production	
b. Procedures to prevent damage to completed parts	
c. Procedures to prevent shipment of non-reliable parts	
d. Packing and packaging of completed parts	

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21. MATERIALS (5.2.12)	
a. Conforming material (5.2.12.2)	
(1) Acceptable material is properly identified and segregated	
(2) Control of acceptable material is maintained by the quality control or inspection department	
(3) Control of acceptable material is maintained throughout all areas of manufacturing, assembly, test receiving, preservation, packaging and packing	
(4) Tags, routing cards, move tickets or other normal control devices provide for sufficient identification of supplies and the inspection status of the supplies	
b. Non-conforming material (5.2.12.3)	
(1) All non-conforming material is properly identified	
(2) Rejection tags are distinctly different, readily and easily identifiable	
(3) Rejection tag indicates the reason for nonconformance	
(4) Written report is issued indicating the nature and degree of non conformance	
(5) Reports are issued to reflect status of non-conforming supplies	
(6) Method is adequate to prevent loss of qualification during handling or in holding area	
c. Material Traceability (5.2.12.4)	
22. PRODUCT TRACEABILITY (5.2.13)	
23. CONTROLLED STORAGE AREA (5.2.14)	
24. MANUFACTURERS SELF-ASSESSMENT SYSTEM (5.2.16)	
25. TECHNOLOGY REVIEW BOARD (5.2.17) (WHEN REQUESTED)	