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**GENERAL QUALITY REQUIREMENTS FOR
SUPPLIERS**

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PURPOSE

This document provides general quality requirements and instructions for suppliers. It may be made a part of a procurement activity, either directly or by reference.

IMPORTANT

THIS DOCUMENT DESCRIBES QUALITY REQUIREMENTS, WHICH MAY BE IMPOSED ON A PURCHASE ORDER WITH YOUR COMPANY. THESE REQUIREMENTS STAND ALONE AND MAY NOT BE DESCRIBED IN ANY OTHER DOCUMENT. THEREFORE, IT IS IMPORTANT THAT THIS DOCUMENT BE THOROUGHLY REVIEWED BY THE COGNIZANT PERSONNEL WITHIN YOUR COMPANY TO ASSURE THAT THESE REQUIREMENTS ARE UNDERSTOOD AND ADDRESSED.

NONCOMPLIANCE TO THESE REQUIREMENTS MAY BE SUBJECT TO REJECTION OF MATERIAL UPON RECEIPT AND MAY REQUIRE ROOT CAUSE AND CORRECTIVE ACTION FROM THE SUPPLIER BEFORE RESOLUTION CAN BE REACHED.

These requirements apply to L-3 MID/PID, **Greenville/Waco sites only**. Do not use for any other L-3 Communications Companies or divisions.

BUYER & SUPPLIER REQUIREMENTS SECTION

PURCHASE ORDER:

In this document the term "Purchase Order" includes any purchase order, including Subcontracts, whether written or otherwise assigned.

POINT-OF-CONTACT:

The assigned buyer is always your point of contact. Any questions, problems, or information should always be directed to the buyer. Do not accept any changes including technical and quality requirements unless authorized in writing by the buyer.

NOTIFICATION OF SUB-TIER USAGE:

If a sub-tier supplier is used to provide any portion of the product or service being purchased by L-3 MID/PID you must notify the buyer. Notification must include the name of the sub-tier supplier and the product or service being accomplished on your behalf. Suppliers are responsible for ensuring L-3 MID/PID requirement(s) are flowed down to sub-tier suppliers. Any sub-tier supplier used to provide any portion of the product or service being purchased by L-3 MID/PID must comply with the requirements of this document. Compliance is subject to audit by L-3 MID/PID.

QUALITY SYSTEM REQUIREMENTS:

Your purchase order may contain quality codes that specify the level of quality assurance system required for the product or service being provided. If you have a quality system level which complies with Quality Code 1, it also satisfies Quality Code 2 and Quality Code 3 by definition. Likewise, if your quality system level complies with Quality Code 2, it also satisfies Quality Code 3. Table 1 is provided as an example.

Table 1:

Quality Code	Supplier Compliance Levels
1	I, IV, VI, VII, VIII, IX, XIII
2	I, II, IV, VI, VII, VIIA, VIII, IX, X, XIII, XIV
3	0, I, II, III, IV,V, VI , VII, VIIA, VIII, IX, X, XI, XII, XIII, XIV

GENERAL QUALITY REQUIREMENTS

QUALITY REQUIREMENT CODES:

In every purchase order you receive from L-3 MID/PID, you will find numerical Quality Requirement Codes (may also be stated as Inspection Codes). You are required to comply with all the codes listed in the purchase order. An explanation of these codes is contained in this document. If you agree to accept a verbal order without a written purchase order, it is your responsibility to ensure that the buyer informs you of the applicable Quality Requirement Codes for that purchase.

DISTRIBUTORS:

The supplier must comply with the technical and quality requirements of the purchase order. As the direct supplier to L-3 MID/PID and the representative of the manufacturer, you are responsible for compliance with all purchase order requirements.

NONCONFORMING MATERIAL:

L-3 MID/PID will not accept material that does not fully comply with the drawing and specifications for form, fit, function, interchangeability or appearance (when applicable) unless authorized by L-3 MID/PID in writing in accordance with Q6152.45, "Supplier Request for Material Review Action". Should Seller become aware of non-conforming goods or materials incorporated into the deliverable product, Seller shall promptly notify Buyer of non-conforming goods or materials and request disposition instructions from buyer.

CORRECTIVE ACTION:

When deemed necessary, L-3 MID/PID Quality may require Root/Cause Analysis for an individual nonconformity or any systemic concerns that may be identified. If this occurs the supplier may be contacted to provide the information or a "Supplier Corrective Action Request" (SCAR) may be issued. Suppliers are required to contact L-3 for disposition when they have nonconforming material.

RECORDS:

Complete and accurate records of inspections, processes, and tests performed on products destined for L-3 MID/PID shall be maintained complete and accurate in accordance with the applicable L-3 site policy, MID policy D5125 or PID policy CPP-124. These records shall be available for review by L-3 MID/PID and copies shall be furnished upon request.

RIGHT OF ENTRY:

At times it may be necessary for L-3 MID/PID personnel and customers or their representatives to visit supplier facilities and/or their sub-tier suppliers for the purpose of verifying contract compliance and product conformity. Arrangements for such visits will be coordinated through the cognizant buyer.

SOURCE INSPECTION:

When source inspection by L-3 MID/PID is required, the supplier is responsible for inspecting and presenting a fully conforming product to the L-3 MID/PID Quality representative. The supplier shall provide adequate work area, a current copy of the purchase order, packing slips, all applicable drawings and specifications, required certifications/test reports, and all necessary inspection equipment that the L-3 MID/PID Quality representative may require.

LEVEL 0 QUALITY SYSTEMS REQUIREMENTS

Sales Office Only

LEVEL I QUALITY SYSTEM REQUIREMENTS

QUALITY SYSTEM:

You are required to comply with the General Requirements of this document and maintain an ISO 9001 Certification for Quality Assurance in Design, Development, Production, Installation and Servicing. Compliance is subject to audit by L-3 MID/PID.

LEVEL II QUALITY SYSTEM REQUIREMENTS

QUALITY SYSTEM:

You are required to comply with the General Requirements of this document and maintain an ISO 9001 Certification for Quality Assurance in Production, Installation and Servicing. Compliance is subject to audit by L-3 MID/PID.

LEVEL III QUALITY SYSTEM REQUIREMENTS

QUALITY SYSTEM:

You are required to comply with the General Requirements of this document and maintain an ISO 9001 Certification for Quality Assurance in Final Inspection and Test. Compliance is subject to audit by L-3 MID/PID.

LEVEL IV CALIBRATION SYSTEM

You are required to maintain a Calibration System that complies with the General Requirements of this document and the requirements of ISO 10012 (ANSI/ISO/IEC 17025 and ANSI/NCSL Z540 is acceptable alternate system). Compliance is subject to audit by L-3 MID/PID.

LEVEL V ENGINEERING SERVICES

Engineering services only.

LEVEL VI SOFTWARE QUALITY PROGRAM

ISO/IEC 15504 Compliance.
“S/W Process Improvement and Capability”

LEVEL VII CERTIFIED DISTRIBUTOR

You are required to comply with the General Requirements of this document and maintain an ISO 9001, AS 9100, or AS 9120 Certification for Quality Assurance in Distribution. Compliance is subject to audit by L-3 MID/PID.

LEVEL VIIA DISTRIBUTOR

You are required to maintain a Quality System that addresses all the general requirements of this document and elements equivalent of Level VII. Compliance is subject to audit by L-3 MID/PID.

NOTE: For items from a ‘Catalog House’, marking / ID may be catalog number in place of the L-3 part number noted on the Purchase Order, provided the supplier certifies no change to fit, form, functionality between the two.

LEVEL VIII FEDERAL AVIATION ADMINISTRATION APPROVED INSPECTION SYSTEM

You are required to comply with the General Requirements of this document and maintain a Quality System that complies with the Level I or Level IX. Quality System Requirements of this document and the requirements of the applicable following system(s). Compliance is subject to audit by L-3 MID/PID.

Federal Aviation Administration (FAA) Approved Repair Stations:

You are required to maintain an approved Inspection System in accordance with Federal Aviation Regulation Part 145 and hold a rating applicable to the item called out on the purchase order.

Parts Manufacturer Approval (PMA):

You are required to maintain a FAA approved Fabrication Inspection System in accordance with FAR Part 21 Sub Part K.

Technical Standard Order Authorization (TSOA):

You are required to maintain a FAA approved Inspection System as detailed in FAR Part 21, Sub Part O and Advisory Circular 21-1.

Production Certificate Holder (PC):

You are required to maintain a FAA approved Production Inspection System in accordance with FAR Part 21, Sub Part G and Advisory Circular 21-1.

European Aviation Safety Agency (EASA):

You are required to maintain an approved Inspection System in accordance with EASA/JAA (Joint Aviation Authorities) or Canadian DOT and hold a rating applicable to the item called out on the purchase order.

LEVEL IX QUALITY SYSTEM REQUIREMENTS

QUALITY SYSTEM:

You are required to maintain a Quality System that addresses all the general requirements of this document and elements equivalent of Level I. Compliance is subject to audit by L-3 MID/PID.

LEVEL X QUALITY SYSTEM REQUIREMENTS

QUALITY SYSTEM:

You are required to maintain a Quality System that addresses all the general requirements of this document and elements equivalent of Level II. Compliance is subject to audit by L-3 MID/PID.

LEVEL XI QUALITY SYSTEM REQUIREMENTS

QUALITY SYSTEM:

You are required to maintain a Quality System that addresses all the general requirements of this document and elements equivalent of Level III. Compliance is subject to audit by L-3 MID/PID.

LEVEL XII SERVICES

Delivery/service of an intangible product i.e. Technical support, consulting, freight, training, etc.

LEVEL XIII AS9100

AEROSPACE STANDARD

You are required to maintain a Quality System that addresses all the general requirements of this document and AS9100 Model for Quality Assurance and Design, Development, Production, Installation and Servicing. Compliance is subject to audit by L-3 MID/PID.

LEVEL XIV SPECIAL PROCESSES

Any process used for production and/or service provision, where the resulting output cannot be verified by subsequent monitoring or measurement and, as a consequence, deficiencies become apparent only after the product is in use or the service has been delivered. e.g. Manufacturing processes which are specific in nature and are performed in accordance with a controlling Special Process Specification/ L-3 Technical Process Specification (examples include; Anodizing, Heat Treating, NDI, Passivation, Plating, Shot Peening, Welding, etc.)

CERTIFICATE OF CONFORMITY

This form, or your equivalent, is to be completed and submitted with the material when Quality Code(s) 11, 12, or 23 is required by the L-3 MID/PID Purchase Order.

- 1) Specifications/Drawing Number _____
- 2) Revision Level _____
- 3) Manufacturer (Name & Cage Code) _____
- 4) Special Process (Specification Type & Class Used) _____
- 5) Lot/Batch Number _____
- 6) Date/Serial Number _____
- 7) Purchase Order/Item Number _____
- 8) Specimen ID Number(s) (if applicable) _____
- 9) INSPECTION/TEST DATA IS ON FILE AND AVAILABLE FOR REVIEW BY L-3 MID/PID UPON REQUEST.
- 10) AUTHORIZED SIGNATURE _____
TITLE _____

FIGURE 1

CERTIFICATE OF CONFORMITY FASTENERS

This form, or your equivalent, is to be completed and submitted with fasteners per Quality Code 43.

- 1) Supplier _____
- 2) Standards and Specifications _____
- 3) Manufacturer (Name & Cage Code) _____
- 4) Lot Number _____
- 5) Purchase Order/Item Number _____
- 6) A COPY OF A WRITTEN CERTIFICATE BY THE MANUFACTURER IS ON FILE AT OUR FACILITY AND IS AVAILABLE FOR REVIEW BY L-3 MID/PID UPON REQUEST. THE MANUFACTURER'S CERTIFICATE STATES THAT THE FASTENERS HAVE BEEN MANUFACTURED ACCORDING TO THE APPLICABLE STANDARDS AND SPECIFICATIONS, AND HAVE BEEN INSPECTED/TESTED BY A LABORATORY, AND THAT AN ORIGINAL LABORATORY TESTING REPORT IS ON FILE WITH THE MANUFACTURER AND IS AVAILABLE FOR INSPECTION.
- 7) AUTHORIZED SIGNATURE _____
TITLE _____

FIGURE 2

CERTIFICATE OF CONFORMITY

This form, or your equivalent, is to be completed and submitted with each stack-up test specimen set when Quality Code 23 is required by the L-3 MID Purchase Order.

- 1) Manufacturer (Name, Address, Contact Information & CAGE Code)

- 2) Date code/SN _____
- 3) L-3 Purchase Order Number/Item Number _____
- 4) Specifications/Drawing Number(s) (list all applicable) _____
- 5) Revision Level(s) (list all applicable) _____
- 6) Specimen ID Number(s) (list all applicable) _____
- 7) Identification relating to the part number(s) that the test specimens represent (list all applicable)

- 8) Identification of all materials, including adhesives and coatings, utilized in the test specimen fabrication _____
- 9) Identification of the lot/batch numbers of all materials utilized in the test specimen fabrication

- 10) Provide sub-tier supplier certificate(s) of conformity as applicable for each material used in the fabrication of the specimen _____
- 11) THE STACK-UP TEST SPECIMENS ARE REPRESENTATIVE OF THE PRODUCTION ARTICLE AND HAVE BEEN FABRICATED IN ACCORDANCE WITH G6021.00.06. THE SAME MATERIAL(S) (INCLUDING THE SAME LOT/BATCH) AND PROCESSES USED ON THE PRODUCTION ARTICLE HAVE BEEN USED TO FABRICATE THE STACK-UP TEST SPECIMEN(S).
- 12) AUTHORIZED SIGNATURE: _____
NAME: _____
TITLE: _____
DATE: _____

FIGURE 3

QUALITY ASSURANCE REQUIREMENT CODES

APPLICABILITY:

These Quality Requirement Codes are applicable when listed within an L-3 MID/PID purchase order or subcontract.

These requirements shall be in addition to, and not in derogation of, other purchase order requirements.

CODES AND DEFINITIONS:

1. The supplier shall maintain a Quality Program in compliance with the Level I, IV, VI, VII, VIII, IX or XIII Quality System Requirements of L-3 MID/PID document G6013.00.29, "General Quality Requirements for Suppliers".
2. The supplier shall maintain an Inspection System in compliance with the Level II, VIIA, X, or XIV Quality System Requirements of L-3 MID/PID document G6013.00.29, "General Quality Requirements for Suppliers".
3. The supplier shall maintain a Quality Control System in compliance with the Level 0, III, V, XI, or XII. Quality System Requirements of L-3 MID/PID document G6013.00.29, "General Quality Requirements for Suppliers".
4. The supplier shall furnish to L-3 MID/PID for approval one copy of the supplier's test procedures identified by a number and, if applicable, a revision level and date of revision at least fifteen days prior to testing the first article that is to be delivered. The test procedure shall be in sufficient detail to demonstrate compliance with the applicable specification, showing test equipment and test configuration.
5. One hard copy of test data referencing the purchase order number, supplier's name and address and/or laboratory's name and address, part number, part name, serial numbers, date and actual test data, must accompany each shipment to be delivered. This report shall be validated by an authorized representative of the supplier's Quality Department. This data will be filed at L-3 MID/PID and used for reference.
6. Materials having definite characteristics of quality degradation or drift with age and/or environment shall be marked, in accordance with MIL-STD/HDBK-129, with the useful life remaining and storage environmental requirements. "Material must have a minimum of 75% shelf life remaining, at date of receipt."
7. The supplier is to furnish with each shipment one copy of the chemical and physical analysis of the actual laboratory test from the original manufacturer, identifiable with the lot/batch number on the material.
8. The supplier shall furnish a copy of the appropriate NDI Certificate for any NDI Test required by the drawing and/or TPS.

9. The supplier shall furnish x-ray film identifiable to each part and one copy of the x-ray lab report. Multiple views of large parts must be identified to define locations of each view.
10. Items on P.O. procured as a kit, such as connectors, fasteners, molded inserts, that are shipped as pieces that make up the Part Number ordered, shall be packaged together such that one package equals quantity of one Part Number ordered (example # 1 - connector package shall contain backshell, pins, insertion tool; example # 2 - Hi-lok package shall contain pin and collar; example # 3 - molded insert package shall contain threaded insert, adhesive disc).
11. The supplier shall provide one Certificate of Conformity with a legible name, stamp, or signature indicating compliance through supplier's approved quality system for each shipment. The Certificate of Conformity shall contain, at a minimum, the specifications and/or drawing number, revision level, the name of the manufacturer, the lot number / batch number, date or serial number, purchase order number (and item number when applicable) and a factual statement that inspection / test data is on file at the supplier's facility. Special processes shall be included as an attachment with the C of C. This information / data will be made available for review by L-3 MID/PID upon request. Figure 1 is provided as an example and may be used at the supplier's option.

Material procured from Government sources- a DD1149 or DD1348 can be accepted in lieu of a certificate of conformance.

12. L-3 has identified this material as being a potentially high risk for suspect / counterfeit material and can only be procured from the OCM/OEM or one of its Authorized Distributors. The supplier shall provide the required documentation based on supplier designation detailed below:
 - A. OEM/OCM – Provide OEM/OCM Certificate of Conformance
 - B. Authorized Franchise Distributor for OEM/OCM - Authorized Franchise Distributor's Certificate of Conformance. Distributor must provide L-3 MID/PID Buyer documentation from OEM/OCM validating they are an Authorized/Franchised Distributor. Distributor is required to immediately notify L-3 MID/PID Buyer if their Authorization from OEM/OCM is changed, expires, or is revoked.

The supplier shall provide one Certificate of Conformity with a legible name, stamp, or signature indicating compliance through supplier's approved quality system for each shipment. The Certificate of Conformity shall contain, as a minimum, the specifications and/or drawing number, revision level, the name of the manufacturer, the lot number / batch number, date or serial number, purchase order number (and item number when applicable) and a factual statement that inspection / test data is on file at the supplier's facility. Special processes shall be included as an attachment with the C of C. This information / data will be made available for review by L-3 MID/PID upon request. Figure 1 is provided as an example and may be used at the supplier's option.

When material cannot be procured from the OCM/OEM or one of its Authorized Distributors an L-3 Approved Independent Distributor may be utilized with Division Procurement and Quality Manager approval prior to the issuance of the purchase order (Form 8-85203-1).

See code 56 for L-3 Approved Independent Distributor authenticity inspection / testing requirements.

13. The supplier shall incorporate best commercial standard practices for packaging and preservation (wrapping, padding, capping, forming, etc.) of ALL articles to prevent damage during shipment. Each package will be permanently and legibly marked with the purchase order number, manufacture's name and packing sheet number. All wood packaging will meet the requirements of ISPM 15 - Regulation of Wood Packaging Material and International Trade and be identified per the document.

14. Government inspection is required prior to shipment from your facility. Supplier will notify L-3 MID/PID when product is ready for inspection. Upon receipt of this request, the appropriate Government representative will be notified so that appropriate planning can be accomplished. L-3 MID/PID Source Inspection (Code 16) must be satisfied prior to Government Source Inspection.
15. The supplier shall provide a hard copy of the repair report for each item repaired. The repair report shall contain purchase order number, supplier's name and address, part number, part name, serial number(s), date of repair and action taken to repair item(s).
16. L-3 MID/PID has imposed the requirement to perform source inspection at the supplier's facilities prior to shipment. Inspection and/or test of the articles defined in the purchase order shall be performed by the supplier, and shall be subject to witness by L-3. The inspection or test shall demonstrate compliance with the applicable drawings and/or specifications on the completed product. L-3 MID/PID Purchasing Department is to be notified upon completion of the supplier's final acceptance inspection or test to allow for arrangements for a L-3 MID/PID Quality Representative to be present. Once completed product is accepted by L-3 MID/PID Quality Representative, no further work/rework can be accomplished without notification to L-3 MID/PID.
17. The supplier shall request, in writing, and receive official approval from L-3 MID/PID of any changes in part number or nomenclature that differ from purchase order information prior to shipment.
18. Materials which are volatile or toxic shall be properly contained in accordance with applicable Code of Federal Regulation. The containers will be plainly marked as to contents with appropriate warnings, precautions, instructions, and storage conditions.
19. All material must be identified by the ordered part number and must be permanently and legibly affixed directly to the surface of each article. In the event this is not possible due to physical size or nature of material, an identification tag will be securely affixed to each article, or if articles are packaged in individual or multi-unit containers, the containers must be identified with the part number.
20. L-3 MID/PID has determined that Pre-Cap Inspection / In Process is required for articles as defined in the purchase order. Supplier will notify the buyer so arrangements can be made for inspection. The supplier will be notified at what stage the article will be reviewed.
21. Environmental Test Data: The supplier shall furnish with each shipment and affixed to the product/material, a copy of the environmental test data containing the type of test(s) performed, the required test limits and measured values, the required specification(s), Purchase Order number, part number(s), serial number(s), and lot/batch number(s) (if applicable) of the material. This report shall be validated by an authorized representative of the supplier's Quality Department.
22. Appliances or articles must have been inspected, tested, overhauled, or repaired as necessary by a FAA certificated Repair Station. Each such article or appliance must have attached the appropriate maintenance release form per FAR Part 43. (REF G6013.00.29 Level VIII)
23. Concurrent with the shipment of production articles the supplier shall furnish test samples with a certificate of conformity, for each batch or lot of material in sufficient quantity to conduct testing in accordance with Federal Aviation Regulation Part 23 or Part 25, and all applicable drawings. For submittal of component materials (e.g., electrical wires and cables, etc.), Figure 1 is provided to identify the required information to be supplied. For submittal of stack-up test specimens, (e.g., painted nylon parts, fabric bonded to a substrate, etc.), Figure 3 is provided to identify the required information to be supplied. Stack-up specimens must be fabricated in accordance with G6021.00.06.

24. The supplier shall be responsible for supplying L-3 MID/PID with all data required to obtain FAA certification per FAR Part 21.
25. The supplier's facility or any sub-contractor thereto, is subject to review and audit on a random basis by the FAA and/or by L-3 MID/PID. The FAA and L-3 reserves the right to perform conformity inspections and/or witness of testing at the supplier's facility.
26. The supplier shall maintain an FAA Approved Production / Inspection System that assures articles are produced conforming to the applicable FAA approved data and in condition for safe operation. (REF G6013.00.29 Level VIII)
27. Electrostatic Sensitive Devices shall be packaged in accordance with the current revision of MIL-STD-1686, and labeled in accordance with MIL-STD/HDBK-129.
28. The supplier shall maintain a Calibration System in compliance with the Level IV Calibration System requirements of L-3 MID/PID document G6013.00.29, "General Quality Requirements for Suppliers".
29. The first article manufactured to the specified configuration will be 100% inspected by the supplier for conformity to drawing and purchase order specifications. The first article data (containing both required characteristic values and measured values with a record of the equipment used and asset identification of that equipment) will accompany all shipments of that material.
30. The supplier shall maintain a Quality System that is sufficient to assure all products shipped to L-3 MID/PID are FAA approved articles produced by an FAA Production Approval Holder (TC-APIS-PC-TSOA-PMA). Approval method and certification will be provided with each article shipped to L-3.
31. Certificate of initial calibration is required. As a minimum, the certificate of calibration must contain the following information.
 1. Provide certificate of calibration identifying the following:
 - a. Company Name
 - b. Facility Operational Quality System (i.e. ISO 10012 (ANS/ISO/IEC 17025 and ANSI/NCSL Z540)
 - c. Equipment Description (item, make, model, S/N, L-3 Asset No.)
 - d. Received Condition (In or Out of Tolerance)
 - e. Date of Calibration and Expiration Date
 - f. Uncertainty Statement (all test ratios meet or exceed 4:1 unless otherwise stated.)
 - g. Procedure No.
 - h. Environmental Conditions
 - i. Traceability Report (MT&E used to calibrate, NIST Numbers & Calibration Dates)
 - j. Calibration Certificate Quality Statement
 - k. Signature of Technician

The Calibration Certificate must state that the equipment has been calibrated using lab policies and procedures compliant to ISO 10012 (ANS/ISO/IEC 17025 and ANSI/NCSL Z540) and that the calibration was accomplished using instruments and/or standards which are periodically calibrated and traceable to NIST or to other nationally/internationally recognized measuring systems, or to documented repeatable

procedures and processes that ensure compliance to the equipment manufacturer's specifications.

2. Provide before and after calibration data on any piece of equipment found out of tolerance during initial calibration.
3. New calibration stickers shall be appropriately fixed to the unit.
32. The supplier shall maintain a software development and quality program in compliance with IEEE/EIA12207, "Software Development Standard".
33. The supplier shall maintain a software development and quality program in compliance with RTCA/DO-178C, "Software Considerations in Airborne Systems and Equipment".
34. The supplier shall maintain a software development and quality program in compliance with Level VI quality system requirements.
35. Microcircuit Components: The supplier shall provide, and comply with, the Certification and Tractability requirements of MIL-PRF-38535, when furnishing "Microcircuit Components", for both linear and digital devices with the DTL, non-Schottky TTL, ECL, Schottky TTL, Linear, Hybrid, and MOS technologies.
36. The supplier shall furnish, with each shipment, a copy of heat treat records for each lot/batch in accordance to the applicable drawing or specification (s).
37. The supplier is required to meet the applicable FAR flammability requirements as specified in the drawing, specification, and/or purchase order.
38. The supplier shall furnish, with each shipment, an FAA form 8110-3, "Statement of Compliance with the FAR", signed by an authorized FAA Representative/DER.
39. An FAA form 8130-9 "Statement of Conformity" shall be furnished, with each first article, and subsequent revision changes, and shall be signed by an authorized company representative.
40. The supplier shall provide, with each item on the purchase order, an FAA form 8130-3 or JAA Form 1, as applicable, signed by a FAA Representative/DAR.
41. The supplier shall furnish, with each shipment, a copy of the manufacturing work order/traveler for each part delivered. The work order shall detail the manufacturing sequence including all (in-process and final) inspection steps indicating supplier acceptance. When work orders are not available, the supplier shall furnish a copy of all inspection records including, but not limited to, first article records, log sheets, acceptance tags as applicable for each part delivered.
42. The supplier's facility, quality system, and products are subject to verification, inspection, audit, and investigation by L-3 customer. Such activities at the supplier's facilities will be performed jointly with, and arranged by L-3 MID/PID representatives.
43. Each container of fasteners shall be conspicuously marked with the number of the lot from which such fasteners were taken. The supplier shall provide one Certificate of Conformity for each part number contained in a fastener shipment. This document shall contain as a minimum the supplier's name, the standards and specifications, name of the manufacturer, lot number, purchase order number, item number when applicable, and a factual statement that a copy of a written certificate by the Manufacturer is on file at the supplier's facility available for review by L-3 MID/PID upon request.

The Manufacturer's certificate shall state that:

- (1) the fasteners have been manufactured according to the requirements of the applicable standards and specifications and have been inspected and tested by a laboratory,
- (2) and that an original laboratory testing report is on file with the manufacturer and available for inspection.

Figure 2 is provided as an example and may be used at the supplier's option.

44. L-3 MID/PID Organization Designation Authorization (ODA) Conformity Required: L-3 MID/PID ODA conformity inspection is required prior to shipment. Arrangement for conformity by a L-3 MID/PID Organization Designation Authorization Representative must be coordinated through the buyer at least three (3) days prior to date of conformity inspection.
45. Toxicity Declaration: The supplier shall provide a certification with each shipment and affixed to the product/material stating, "This material contains no wool, polyvinyl chloride (vinyl or vinyon), modified aramid (Durette), phosphorous based fire retardant treated cotton, or polyvinyl chloride coated fabrics".
46. Shot Peen/Roto-Peen Samples: The supplier shall furnish a copy of the test records in accordance with the process specification called out on drawing. The supplier shall retain samples and data for their records in accordance with the drawing / specification.
47. FAA Conformity Required: L-3 MID/PID FAA conformity inspection is required prior to shipment. Arrangement for conformity by a L-3 MID/PID Designated Airworthiness Representative (DAR) must be coordinated, through the buyer, at least three (3) days prior to date of conformity inspection.
48. Suppliers furnishing printed wiring boards shall meet the requirements of IPC-6011, IPC-6012, IPC6018, as applicable, per drawing. Suppliers shall provide two special coupons taken from actual board(s) in opposing directions from opposing corners with each shipment as required by drawing.
49. Solder ability testing of components leads to J-STD-002 is required for this order. A certificate of compliance for this test is required and shall accompany shipment.
50. Material Safety Data Sheet: The supplier is responsible for providing a copy of the Material Safety Data Sheet (MSDS) for each shipment as defined by OSHA (29 CFR 1910.1200).
51. Appliances or articles must have been inspected, tested, overhauled, or repaired as necessary by an appropriately rated European Aviation Safety Agency (EASA/JAA) or Canadian DOT approved facility. Each such article or appliance must have attached the appropriate maintenance release form (JAA Form 1 or Canadian DOT Form 24-0078E).
52. The supplier shall maintain a Quality Systems that is sufficient to assure all products shipped to L-3 MID/PID are European Aviation Safety Agency (EASA/JAA) or Canadian DOT approved articles. Approval method and certification will be provided with each article shipped to L-3 MID/PID. (JAA Form 1 or Canadian DOT Form 24-0078E)
53. Inspection and repair of aircraft fuel cells shall be in accordance with Technical Order 1-1-3 or NAVAIR 01-1A-35, as required. Preservation, packaging, and packing shall be in accordance with Technical Order 00-85a-03-1 or NAVAIR 01-1A-35, Section 8 as required.
54. A hardcopy of the Failure Analysis Report will be supplied with the repaired item. Returns to L-3 MID/PID will reference the purchase order number, supplier's name & address and/or laboratory's name & address, part number, part name, serial number(s) and date. This report shall consist of the following: 1. Fault Detection & Fault Isolation (How did you determine root cause), 2. Root Cause Analysis, 3. MTTF & MTBF (if known), 4. Repair/Rework method and 5. Inspection & Test

Data. This report shall be validated and signed by an authorized representative of the supplier's Quality Department.

55. Spooled electrical wire and cable shall have continuous length with no breaks or splices.
56. L3 has identified this material as being a potentially high risk for suspect/counterfeit material. The material can only be procured from an L3 Approved Independent Distributor. See table for authenticity inspection/testing requirements:

Active Device	Passive Device	Reporting Requirement
	X	Applicable electrical testing (resistance, capacitance, continuity) for the devices procured (1% AQL)
X	X	Visual Microscopy Inspection of all parts in the order under 10X minimum magnification- (100% inspection of the lot)
X	X	X-Ray Inspection- (100% inspection of the lot)
X	X	XRF/RoHS Inspection- (2 parts per lot date code)
X	X	Resistance to Solvents testing- (2 parts per lot date code)
X	X	Heated Solvent Testing- (Dynasolve Immersion) – (2 parts per lot date code)
X	X	Scrape testing- (2 parts per lot date code)
X	X	Solderability testing per IPC/EIA J-STD-002- (2 parts per lot date code)
X		De-lid, Dye Penetrant and Die Verification- (2 parts per lot date code)- it is understood that 2 each from each lot would be destroyed for test purposes
X	X	Scanning Electron Microscopy- (1 part per lot date code)

Note: Some tests listed in this table will not be applicable on certain component types/packages.

The test report shall be legible and contain factual statements indicating the material's compliance to the applicable specifications/requirements. It shall also contain the specification or drawing number, revision level, the lot/batch, date code, serial number of the item being procured/qualified.

57. **WACO ONLY**

Welding: Supplier shall provide all supplier, and suppliers' sub-tier source(s), documentation required by the welding TPS for the material / product / processes involved in this order. All documentation must be legible and signed and must be readily available for the length of time required by the TPS and/or the General Quality Requirements noted on page 4 of the G6013.00.29 ... whichever is longer.