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# General Requirements for Suppliers

## REVISION PAGE

REV	REVISED DATE	REVISED BY	PAGES AFFECTED	REMARKS
AM	9/30/2016	D. KEY	7,13,14, 15,16,17	Table 1 - Supplier Levels, Code 12, Code 38, updated. "FARs" updated to "CFRs". MID/PID replaced with MI/PI. Removed "Waco Only" from Codes 57 & 58.
AN	4/17/2017	D. KEY	9,10,11,12,13,14,15,19,20	Changed all L-3 Communications with L3 Technologies and L-3 to L3. Part number and statement added to all CoC's. Requirement for Li-ion Batteries added to Code 6. Code 12 updated to include "and/OR", items D. and E. added. Code 14 replaced all references to "Government" to "Customer". Code 27 added "or equivalent" to JEDEC Standard 625-A. Code 56 updated. Code 58 updated to include double bagging process and reference APR1176. Code 60 added. Added Revision Page.
AP	6/15/2020	D. KEY	All	Defined requirements for Authentic Parts/Material, Record Retention and Certificate of Conformity. QA Codes Created including codes 61, 62, 63 & 64. QA Code updates including codes 6, 11, 12, 16, 19, 22, 23, 29, 37, 38, 40 & 56. Changed L-3 to L3HARRIS in footers. Updated L3HARRIS logos. Changed MI/PI to "Greenville/Waco". Table 1 font changes. Updates to General Quality Requirements: Parts and Materials section added and Rewording of RECORDS section.
AR	2/08/2022	R.J.Zuniga	2, 26	Updated Quality Managers and added quality code 66
AT	2/14/2022	M.D. Krotky	2, 26	Revised CODES & DEFINITIONS 66, regarding DCMA INST 8210.1C.
AU	11/30/22	RJZuniga	4,5,16	Revised Quality System Requirements text and Table 1. Revised Quality Code 1, 2 and 3 by adding "one of the following levels:"



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AV	12/17/2022	R. J. Zuniga	3, 4, 7,8, 14--17,19- 26	<p>General Requirements for Suppliers:  Added C3ISR, Shall, Will, May and Should statements, enhanced Part and Material, Records, Specialty Metals. Removed CoC conformity figures/pages.  Enhanced Level XIV special process audit provision.  Revised quality codes 6, 11,12,20, 23, 31,38, 40, 43, 47 and 48. Separated out 11 and 12 into several new detail quality codes within 67-75. Revised 11,12 and 43 to be N/A. 43 became an enhanced 73.  Removed "conformity" and replaced with "conformance" as needed (except FAA requirements). Added quality code 76.</p>
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**L3HARRIS  
Greenville/Waco/C3ISR**

**P.O. BOX 6056  
GREENVILLE, TEXAS 75403-6056**

**OR**

**P.O. BOX 154580  
WACO, TEXAS 76715-4580**

**OR**

**C3ISR  
1655 SCIENCE PLACE / ROCKWALL, TEXAS 75032**

**G6013.00.29**

**GENERAL QUALITY REQUIREMENTS FOR  
SUPPLIERS**

**DATE: 12/17/22 - Rev. AV**

**NO. OF PAGES: 26**

**APPROVED BY:**

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L3HARRIS employees shall maintain the confidentiality of information entrusted to them by the Company and any other confidential information about the Company except when disclosure is authorized or legally mandated. Recipients of L3HARRIS information shall protect L3HARRIS documents with great care and diligence. All transmission of confidential or proprietary information shall be in accordance with applicable company policy.



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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 L3HARRIS **Greenville/Waco/C3ISR sites only**. Do not use for any other L3HARRIS Companies or divisions.

### **The use of Shall, Will, May and Should**

The following definitions indicate the differences between Shall, Will, May and Should.

The words Shall and Will indicates a mandatory requirement.

The words May and Should indicates an acceptable or suggested means of accomplishment.



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### **BUYER & SUPPLIER REQUIREMENTS SECTION**

#### **PURCHASE ORDER (PO):**

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 L3HARRIS Greenville/Waco/C3ISR 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 L3HARRIS Greenville/Waco/C3ISR 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 L3HARRIS Greenville/Waco/C3ISR must comply with the requirements of this document. Compliance is subject to audit by L3HARRIS Greenville/Waco/C3ISR.

#### **QUALITY SYSTEM REQUIREMENTS:**

Your purchase order may contain quality codes that specify what level of quality assurance system is required for the product or service being provided.

See levels listed below in Table 1:



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Table 1:

Supplier Compliance Levels	
0	Sales Office Only
I	ISO Certified in Design, Development
II	ISO Certified in Production, Installation, and Servicing
III	ISO Certified in Final Inspection and Test
IV	Calibration System
V	Engineering Services
VI	Software Quality Program
VII	Certified Distributor
VIIA	Certified Distributor Equivalent
VIII	FAA Approved Inspection System
IX	ISO Compliant in Design, Development
X	ISO Compliant in Production, Installation, and Servicing
XI	ISO Compliant in Final Inspection and Test
XII	Services Only
XIII	AS9100 Certified
XIV	Special Processes



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### **GENERAL QUALITY REQUIREMENTS**

#### **QUALITY REQUIREMENT CODES:**

In every purchase order you receive from L3HARRIS Greenville/Waco/C3ISR, 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 L3HARRIS Greenville/Waco/C3ISR and the representative of the manufacturer, you are responsible for compliance with all purchase order requirements.

#### **PARTS AND MATERIAL:**

Only New and Authentic parts/material shall be supplied, including for repairs, without written permission from the L3HARRIS buyer, typically requiring L3HARRIS customer concurrence. New surplus material is not considered "new". The supplier accepting this purchase order must be the OCM/OEM/MILL or an OCM/OEM Authorized Distributor (AD) procuring directly from the OCM/OEM/MILL.

New surplus is a part not purchased directly from an OEM or AD. Generally large lot and auction sales or liquidating assets from previous owners. An L3Harris approved waiver will be required.

#### **NONCONFORMING MATERIAL:**

L3HARRIS Greenville/Waco/C3ISR 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 L3HARRIS Greenville/Waco/C3ISR in writing in accordance with Q6152.45, "Supplier Request for Material Review Action". Should the Seller become aware of non-conforming goods or materials incorporated into the deliverable product, the Seller shall promptly notify the buyer of non-conforming goods or materials and request disposition instructions from the buyer.

#### **CORRECTIVE ACTION:**

When deemed necessary, L3HARRIS Greenville/Waco/C3ISR Quality may require Root/Cause Analysis for an individual nonconformance 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 L3HARRIS for disposition when they have nonconforming material.

#### **RECORDS:**

Certificate of Conformance(s) for all parts/materials traceable with lot/heat/batch or date code to the Original Component Manufacturer (OCM)/Original Equipment Manufacturer (OEM) shall be maintained and copies shall be furnished upon request.



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Complete and accurate records of part/material certs traceable to the Original Component Manufacturer (OCM)/Original Equipment Manufacturer (OEM), repair reports, inspections, processes, and tests performed on products destined for L3HARRIS Greenville/Waco/C3ISR shall be maintained complete and accurate for a minimum of 6 years. These records shall be available for review by L3HARRIS Greenville/Waco/C3ISR and copies shall be furnished upon request.

### **RIGHT OF ENTRY:**

It may be necessary for L3HARRIS Greenville/Waco/C3ISR 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 conformance/conformity. Arrangements for such visits will be coordinated through the cognizant buyer.

### **SOURCE INSPECTION:**

When source inspection by L3HARRIS Greenville/Waco/C3ISR is required, the supplier is responsible for inspecting and presenting a fully conforming product to the L3HARRIS Greenville/Waco/C3ISR 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 L3HARRIS Greenville/Waco/C3ISR Quality representative may require.

### **SPECIALITY METALS:**

The supplier shall comply with Specialty Metals requirements per DFARS 252.225-7008 "Restriction on Acquisition of Specialty Metals" and DFARS 252.225-7009, "Restriction on Acquisition of Certain Articles Containing Specialty Metals". Objective evidence reflecting the country of origin stating where it was melted, mined or produced shall be provided upon request.





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### **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 L3HARRIS Greenville/Waco/C3ISR.

### **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 L3HARRIS Greenville/Waco/C3ISR.

### **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 L3HARRIS Greenville/Waco/C3ISR.



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### **LEVEL IV CALIBRATION SYSTEM**

**QUALITY SYSTEM:**

You are required to maintain a Calibration System that complies with the General Requirements of this document and the requirements of ISO 10012 (ANS/ISO/IEC 17025 and ANSI/NC SL Z540 is acceptable alternate system). Compliance is subject to audit by L3HARRIS Greenville/Waco/C3ISR.

### **LEVEL V ENGINEERING SERVICES**

Engineering services only.  
You are required to comply with the General Requirements of this document.

### **LEVEL VI SOFTWARE QUALITY PROGRAM**

**QUALITY SYSTEM:**

You are required to maintain a Quality System that addresses all the general requirements of this document and maintain ISO/IEC 15504 Compliance. "S/W Process Improvement and Capability" Compliance is subject to audit by L3HARRIS Greenville/Waco/C3ISR.

### **LEVEL VII CERTIFIED DISTRIBUTOR**

**QUALITY SYSTEM:**

You are required to maintain a Quality System that addresses all 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 L3HARRIS Greenville/Waco/C3ISR.



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### **LEVEL VIIIA DISTRIBUTOR**

#### **QUALITY SYSTEM:**

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 L3HARRIS Greenville/Waco/C3ISR.

NOTE: For items from a 'Catalog House', marking / ID may be catalog number in place of the L3HARRIS 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**

#### **QUALITY SYSTEM:**

You are required to maintain a Quality System that addresses all 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 L3HARRIS Greenville/Waco/C3ISR.

#### **Federal Aviation Administration (FAA) Approved Repair Stations:**

You are required to maintain an approved Inspection System in accordance with Code of Federal Regulations 14 CFR 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 14 CFR Part 21 Sub Part K.

#### **Technical Standard Order Authorization (TSOA):**

You are required to maintain a FAA approved Inspection System as detailed in 14 CFR 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 14 CFR Part 21, Sub Part G and Advisory Circular 21-1.



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### **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 L3HARRIS Greenville/Waco/C3ISR.

### **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 L3HARRIS Greenville/Waco/C3ISR.

### **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 L3HARRIS Greenville/Waco/C3ISR.



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### **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 L3HARRIS Greenville/Waco/C3ISR.

### **LEVEL XIV SPECIAL PROCESSES**

You are required to maintain a Quality System that addresses all the general requirements of this document and any special processes accomplished. This consist of 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/ L3HARRIS Technical Process Specification (examples include; Anodizing, Heat Treating, NDI, Passivation, Plating, Shot Peening, Welding, etc.).



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### **QUALITY ASSURANCE REQUIREMENT CODES**

**APPLICABILITY:**

These Quality Requirement Codes are applicable when listed within an L3HARRIS Greenville/Waco/C3ISR 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 one of the following levels: I, IV, VI, VII, VIII, IX or XIII Quality System Requirements of L3HARRIS Greenville/Waco/C3ISR document G6013.00.29, "General Quality Requirements for Suppliers".
2. The supplier shall maintain an Inspection System in compliance with one of the following levels: II, VIIA, X, or XIV Quality System Requirements of L3HARRIS Greenville/Waco/C3ISR document G6013.00.29, "General Quality Requirements for Suppliers".
3. The supplier shall maintain a Quality Control System in compliance with one of the following levels: 0, III, V, XI, or XII. Quality System Requirements of L3HARRIS Greenville/Waco/C3ISR document G6013.00.29, "General Quality Requirements for Suppliers".
4. The supplier shall furnish to L3HARRIS Greenville/Waco/C3ISR 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 L3HARRIS Greenville/Waco/C3ISR 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-129, with the date of manufacture, recommended shelf life by manufacturer, useful life remaining and storage environmental requirements. Material must have a minimum of 75% shelf life remaining based on the date of manufacture, at date of receipt.

Lithium Batteries - Lithium ion cells and batteries must be offered for transport at a state of charge (SoC) not exceeding 30% of their rated design capacity. The lithium battery handling label and Cargo Aircraft Only label must either be clearly visible or the label must be affixed on the outside of the overpack.



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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 L3HARRIS Technical Process Specification (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 PO 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. N/A per revision AV: Refer to revision quality code 68 through 75. Refer to revision AU for previous code definition.
12. N/A per revision AV: Refer to revision quality code 67 through 75. Refer to revision AU for previous code definition.
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, manufacturer's name and packing sheet. 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. Customer inspection is required prior to shipment from your facility. Supplier will notify L3HARRIS Greenville/Waco/C3ISR Purchasing Department when product is ready for inspection. Upon receipt of this request, the appropriate Customer representative will be notified so that appropriate planning can be accomplished. L3HARRIS Greenville/Waco/C3ISR Source Inspection (Code 16) must be satisfied prior to Customer 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. L3HARRIS Greenville/Waco/C3ISR 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 L3HARRIS. The inspection or test shall demonstrate compliance with the applicable drawings and/or specifications on the completed product. L3HARRIS Greenville/Waco/C3ISR Purchasing Department is to be notified upon completion of the supplier's final acceptance inspection or test to allow for arrangements for a L3HARRIS Greenville/Waco/C3ISR Quality Representative to be present. Once completed product is accepted by L3HARRIS Greenville/Waco/C3ISR Quality



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Representative, no further work/rework can be accomplished without notification to L3HARRIS Greenville/Waco/C3ISR.

17. The supplier shall request, in writing, and receive official approval from L3HARRIS Greenville/Waco/C3ISR 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 part number specified in the PO, 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 specified in the PO.
20. L3HARRIS Greenville/Waco/C3ISR has determined that Pre-Cap Inspection/In-Process is required for articles as defined in the purchase order e.g., life vests, rafts, slides, etc. 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 14 CFR Part 43 and must be within 2 years from the PO date. (REF Q6013.00.29 Level VIII)
23. **For burn test specimens of non-metallic materials, electrical wires, and cable:** Concurrent with the shipment of production articles the supplier shall furnish test samples identified by each lot delivered. Burn test specimens should be cut IAW (in order of precedence):
  - L3Harris' Engineering Drawing
  - Applicable Flammability Test Procedure - GXXXXX.28.05 (Greenville only)
  - TPS 5-100 "Flammability Properties Of Aircraft Materials, Determination Of"
  - TPS 5-310 "Flammability Properties Of Aircraft Wiring, Determination Of"

Note: For bulk items burn test samples will be cut at L3Harris.





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<b>Material Type</b>	<b>Qty</b>	<b>size</b>
Wire/Cable	3ea	3'
Heat Shrink Tubing	3ea	1'
Convolutd Tubing	3ea	1'
Sheet/Panel	3ea (For thermal/acoustical applications ref. TPS 5-103 table 1)	3"x12"
Fabrics	Ref. TPS 5-100 for quantity and sizes.	
Hose/Duct	3ea	1'
Tape/Velcro/Braid	3ea	1'
Seals (Roll)	3ea	1'

Note: The above specimen length/size are in addition to the purchased length/size.

**For burn stack-up test specimens** (e.g., painted nylon parts, fabric bonded to a substrate, etc) must be fabricated cut IAW (in order of precedence):

- o L3Harris' Engineering Drawing
- o applicable Flammability Test Procedure - GXXXXX.28.05 (Greenville only)
- o G6021.00.06 "Flammability Specimen Construction Requirements".

**For burn test specimens of Laser Sintered (3D printed) parts:** The supplier shall furnish burn test specimens IAW (in order of precedence):

- o L3Harris' Engineering Drawing
- o applicable Flammability Test Procedure - GXXXXX.28.05 (Greenville only)
- o TPS2-702 for every first article and when material from a new lot has been added to a batch.

All requirements of quality code 68 are applicable in addition to the following:

Test specimens - (e.g., Laser Sintered, stack-up specimens for burn, pull, hardnesss, tensile, shear, compression test(s))

The Certificate of Conformance shall contain:

- Name of the manufacturer
- Lot /heat/batch number
- Identification relating to the part number(s) that the test specimens represent (list all applicable)
- Identification of all materials, including adhesives and coatings, utilized in the test specimen fabrication
- Identification of the lot/batch numbers of all materials utilized in the test specimen fabrication
- Provide sub-tier supplier certificate(s) of conformance as applicable for each material used in the fabrication of the specimen

The Certificate of Conformance should also contain as applicable:

- Specification(s) and/or drawing number(s)
- Revision level(s)
- Date code or serial number



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24. The supplier shall be responsible for supplying L3HARRIS Greenville/Waco/C3ISR with all data required to obtain FAA certification per 14 CFR 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 L3HARRIS Greenville/Waco/C3ISR. The FAA and L3HARRIS reserves the right to perform conformance/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 Q6013.00.29 Level VIII)
27. Electrostatic Sensitive Devices (ESD) shall be packaged and labeled in accordance with the current revision of MIL-STD-129. For non-military contracts Electro-Static Sensitive devices (ESD) shall be packaged per the current revision of JEDEC Standard 625-A or equivalent.
28. The supplier shall maintain a Calibration System in compliance with the Level IV Calibration System requirements of L3HARRIS Greenville/Waco/C3ISR document Q6013.00.29, "General Quality Requirements for Suppliers".
29. The first article manufactured to the specified configuration will be 100% inspected by the supplier for conformance to drawing and purchase order specifications. The First Article Inspection (FAI) data shall be in accordance with AS9102 and shall accompany all shipments of that material. The material in this purchase order shall have an FAI that was performed within the last 24 months and have no affected characteristics changes as defined by AS9102 since the last FAI.
30. The supplier shall maintain a Quality System that is sufficient to assure all products shipped to L3HARRIS Greenville/Waco/C3ISR 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.
31. Certificate of 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/NCSS Z540)
    - c. Equipment Description (item, make, model, S/N, L3HARRIS 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.)



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- 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 data before and after calibration, on any piece of equipment found out of tolerance during initial calibration.
  - 3. New calibration stickers stating date of expiration and equipment serial or asset number shall be appropriately affixed to the unit
  - 4. Immediately contact the buyer if tool/equipment is received in an "out of tolerance" condition.
- 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 14 CFR or MIL-STD-202-111 flammability requirements as appropriate, 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 Airworthiness Standards", signed by an authorized FAA representative.

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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 (upon delivery of the unit), an FAA form 8130-3 "Airworthiness Approval Tag", or EASA Form 1 "Authorised Release Certificate" as applicable, signed by an authorized FAA representative.
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 L3HARRIS customer. Such activities at the supplier's facilities will be performed jointly with, and arranged by L3HARRIS Greenville/Waco/C3ISR representatives.
43. N/A per revision AV: Refer to revision quality code 73. Refer to revision AU for previous code definition.
44. L3HARRIS Greenville/Waco/C3ISR Organization Designation Authorization (ODA) Conformity Required: L3HARRIS Greenville/Waco/C3ISR ODA conformity inspection is required prior to shipment. Arrangement for conformity by a L3HARRIS Greenville/Waco/C3ISR ODA Representative must be coordinated through the L3HARRIS Greenville/Waco/C3ISR Purchasing Department 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 araMI (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: L3HARRIS Greenville/Waco/C3ISR FAA conformity inspection is required prior to shipment. Arrangement for conformity by a L3HARRIS Greenville/Waco/C3ISR authorized FAA representative or Designated Airworthiness Representative (DAR) must be coordinated, through the L3HARRIS Greenville/Waco/C3ISR Purchasing Department prior to date of conformity inspection.
48. Suppliers furnishing printed wiring boards shall meet the requirements of IPC-6011, IPC-6012, IPC-6018 as applicable per drawing. The manufacture shall produce IPC class 3 coupons used for conformance testing. All IPC coupons shall be traceable to a specific panel of boards. A final inspection and test report shall be delivered with the boards.



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Coupons shall be retained at the manufacturer and provided if requested. Seller/manufacture shall keep and maintain inspection, test, processes and related records including test coupons performed on products destined for L3HARRIS Greenville/Waco/C3ISR. They shall be maintained, complete and accurate for a minimum of 6 years. These records shall be available for review by L3HARRIS Greenville/Waco/C3ISR and copies shall be furnished upon request.

49. Solderability 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. Safety Data Sheet: The supplier is responsible for providing a copy of the Safety Data Sheet (SDS) 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 System that is sufficient to assure all products shipped to L3HARRIS Greenville/Waco/C3ISR are European Aviation Safety Agency (EASA/JAA) or Canadian DOT approved articles. Approval method and certification will be provided with each article shipped to L3HARRIS Greenville/Waco/C3ISR. (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 L3HARRIS Greenville/Waco/C3ISR 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. Failure Modes Effects Analysis (FMEA) / FMECA report is not just for repairs.
55. Spooled electrical wire and cable shall have continuous length with no breaks or splices.
56. L3HARRIS Greenville/Waco/C3ISR has identified this material as being a potentially high risk for suspect/counterfeit material. Electrical and electronic items can only be procured from an L3HARRIS Approved Independent Distributor.

All electrical and electronic items must accompany Authenticity Inspection/Testing requirements: Velocity Authenticity Testing and Report to be in compliance with CPA-2272.  
SMT Authenticity Testing and Report to be in compliance with CPA-2269.



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Prior to acceptance of metallic raw material with more than three (3) tiers of distribution from the OEM/Mill, each lot/batch shall be tested. The laboratory test results with chemical and physical analysis must meet the OEM/Mill specifications for each lot/batch number per L3HARRIS Greenville/Waco/C3ISR "G" Report G6021.00.50.

Contact L3HARRIS Greenville/Waco/C3ISR buyer for authenticity requirements on non-metallic material.

The test report shall be legible and contain factual statements indicating the material's compliance to the applicable specifications/requirements with verification that it is new and unused. It shall also contain the specification or drawing number, revision level, tests performs, test method, the lot/batch, date code, serial number of the item/material being procured/authenticated.

L3HARRIS Greenville/Waco/C3ISR Receiving is to send the Parts and Authenticity Report to PQA for validation, acceptance and inclusion with the receiving data package.

57. 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 Q6013.00.29 whichever is longer.
58. Oxygen material shall be packaged using the double-bag process, in heat sealed bags that are new, dry and non-contaminating. Caps or plugs shall meet the same cleanliness requirements as the item being sealed. Parts cleaned for oxygen systems shall be identified as "oxygen certified" using a green certification tag. The tag shall be L3HARRIS tag no. 8-45116-1 or an equivalent per MIL-STD-1330 or APR1176. Approved cleaning suppliers are listed in Table III of TPS 1-123.
59. Subcontractors shall mitigate the risk of FOD migration, entrapment, encapsulation, and damage by using control methods commensurate to the associated level of risk. National Aerospace Standard 412 (NAS412) provides the minimum FOD requirements that shall be utilized for products provided to L3HARRIS Greenville/Waco/C3ISR.
60. The Raw Material Supplier shall have material tested by an independent lab per the requirements of G6021.00.50. The selected test lab shall not be the lab that provided the original test results on the material certification. The lab shall provide the test report via electronic media directly to the L3HARRIS purchasing agent. The test report will then be reviewed and results provided to the supplier. If accepted, the L3HARRIS purchasing agent will provide a document to the raw material supplier authorizing shipment of the material. A copy of the authorization document shall be included with the material shipment. Any subsequent shipments of the same lot/batch can be authorized by the previously provided authorization.  
  
If the material fails, the supplier will be notified. The supplier shall issue a recall of any previously delivered material of the defective lot.
61. The Supplier shall provide APQP / PPAP documentation per SAE AS9145 as applicable to the appropriate phase.



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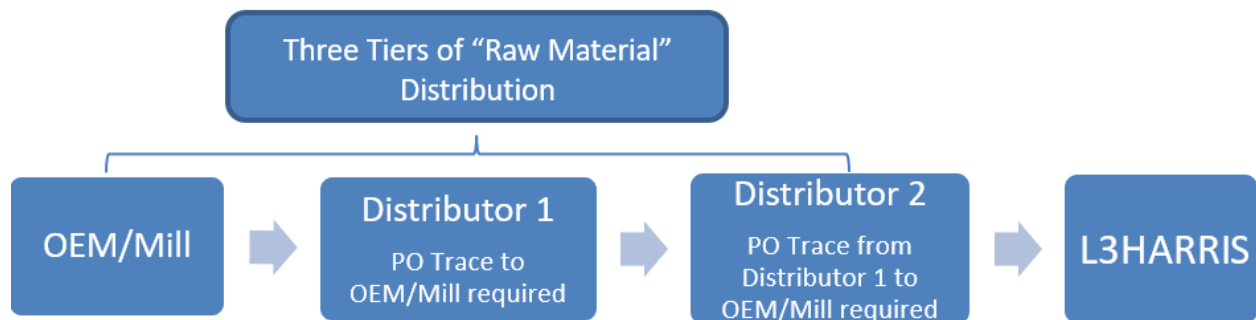
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- 62. The Supplier shall provide a Cybersecurity Vulnerability Report IAW DI-MGMT-82191
- 63. Critical Safety Item (CSI) - Original Equipment Manufacturer (OEM) subcontractor that supplies a CSI item shall identify on their drawing the critical characteristic(s) IAW Department of the Army (DA) Pam 95-9 and AMCOM Regulation (AR) 702-7. All plans must be frozen and any changes to the planning must be approved by customer prior to work performed.
- 64. The Supplier shall provide the source qualification data that identifies the supplier and CAGE code, the part number, and the serial number prefix IAW DI-NDTI-80809.
- 65. Supplier shall be a member of the Government Industry Data Exchange Program (GIDEP) with review of the database for suspect counterfeit, counterfeit and major defects. The supplier shall also report to GIDEP any suspect counterfeit, counterfeit and major defects.
- 66. Supplier shall meet DCMA INST 8210.1C Contractors flight and Ground and Safety Operations as required relevant to work being performed.
- 67. L3HARRIS has incorporated this material into their Counterfeit Part Risk Mitigation Program to address known risk of receiving suspect/counterfeit material. The supplier accepting this purchase order must be the OCM/OEM/MILL or an OCM/OEM Authorized Distributor (AD) procuring directly from the OCM/OEM/MILL.

Raw material must have no more than three (3) tiers of distribution traceable to the OCM/OEM/MILL. The OCM/OEM/MILL is tier one; there should be no more than two (2) additional distributors between the OCM/OEM/MILL and L3HARRIS. A Certificate of Conformance must accompany the material substantiating OEM lot/batch traceability for each tier of custody (See Figure 1).

Note: Parts/Material provided to a supplier by L3HARRIS Greenville/Waco/C3ISR to facilitate fabrication of a part or assembly on a Purchase Order will be deemed compliant to code 67.

Authorized Franchise Distributor for OEM/OCM – Provide Authorized Franchise Distributor’s Certificate of Conformance and/or OEM/OCM Certificate of Conformance. Distributor must provide L3HARRIS Greenville/Waco/C3ISR buyer documentation from OEM/OCM validating they are an Authorized/Franchised Distributor. Distributor is required to immediately notify L3HARRIS Greenville/Waco/C3ISR buyer if their Authorization from OEM/OCM is changed, expires, or is revoked.





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68. The Supplier's quality program shall assure that completed items are tested and/or inspected. When all characteristics cannot be verified at final inspection or test, in-process verifications shall be utilized. If the product is reworked, any characteristics affected must be verified as conforming to requirements by test and/or inspection as appropriate. Rework or Repair that is not compliant with drawings and/or specifications are not permitted unless specifically authorized by Buyer's Procurement Associate (in conjunction with L3Harris Material Review Board-MRB). All products successfully completing final inspection and test shall be positively controlled and identified as well as traceable to inspection and test records. When required by Purchase Order, the Supplier shall provide Certificate of Conformance for products delivered that have been designed or fabricated to Buyer's specifications. The Supplier shall include the Certificate of Conformance with the shipment.

The Certificate of Conformance shall include:

- Date
- Supplier name/address
- Customer name/address
- PO Number/Contract number/Long Term Agreement number
- L3Harris Part Number
- Quantity or List of Serial Numbers
- Name and signature of Supplier's authorized representative or stamp
- Conformance Statement certifying that all material and product fabrication has completed in accordance with Purchase Order requirements.

The Certificate of Conformance should also include, if applicable:

- # of Pages
- PO Number Revision
- PO Item/Line Number
- L3Harris Part Number Revision
- Supplier Part Number & Revision
- Traceability Information
- Conformity Details
- Remarks/Notes

This does not apply to COTS parts or Consumables. COTS parts may be procured from the OEM or Authorized Distribution. CofCs from COTS OEMs/Distributors will be provided based on their own Quality System.

Nonconforming material acceptance process is stated in the "General Quality Requirements" section.

Material procured from Government sources: a DD1149 or DD1348, with condition code A, can be accepted in lieu of a Certificate of Conformance.





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69. All requirements of quality code 68 are applicable in addition to the following:

**Raw Material** – Provide Certificate of Conformance from the OEM/Mill and all Certificate of Conformance with no more than three (3) tiers of distribution traceable to the OEM/Mill and PO from second tier supplier. The OEM/Mill is tier one; there should be no more than two additional distributors between the mill and L3HARRIS. A Certificate of Conformance must accompany the material substantiating OEM lot/heat/batch or date code traceability for each tier of custody, including L3HARRIS Part Number, material specification, dimensions, alloy, temper, condition and ageing method. Special processes (Ex. Heat Treat, Plating, NDI) shall be included as an attachment with the Certificate of Conformance.

**Wire (Raw Material)** - A Certificate of Conformance shall contain the OEM lot/batch traceability for each lot/heat/batch or date code traceability.

**For metallic raw material** chemical/physical analysis traceability is required from OEM/Mill through each tier of distribution identifiable with the lot/batch number marked on the material.

Objective evidence reflecting the country of origin stating where it was melted, mined or produced from a qualified country shall be provided to validate compliance to Specialty Metals requirements per DFARS 252.225-7008 "Restriction on Acquisition of Specialty Metals" and DFARS 252.225-7009, "Restriction on Acquisition of Certain Articles Containing Specialty Metals".

**For all non-metallic raw material** lot/batch traceability is required from OEM through each tier of distribution.

70. All requirements of quality code 68 are applicable in addition to the following:

**Contract manufacturers** - The Certificate of Conformance shall contain the L3HARRIS part number, specifications and/or drawing number, revision level, the name of the manufacturer, the lot/heat/batch or date code traceability number, date or serial number, purchase order number (and item number when applicable), and a factual statement that the product has been manufactured with new and authentic material according to the applicable standards and specifications, inspection/test data, and OEM traceability is on file at the supplier's facility. Special processes (Ex. Heat Treat, Plating, NDI) shall be included as an attachment with the Certificate of Conformance. For Raw Material the contract manufacturer may be the third tier in figure 1 labeled L3HARRIS.

71. **Rental and Bailment Equipment** - Provide Certificate of Conformance from the Supplier and/or OEM/OCM in the supplier's format when used on product.

72. All requirements of quality code 68 are applicable in addition to the following:

**Mil-Spec parts** - For Mil-Spec parts the OEM is determined by the Qualified Product List (QPL) identifying the approved manufacturer(s). If no QPL exists for a part number, the L3HARRIS buyer must be notified and approved by L3Harris Quality that the part can not be procured in compliance



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with this requirement. Provide an OEM/OCM and/or AD Certificate of Conformance, including manufacturer, lot/heat/batch, and date of manufacture.

73. All requirements of quality code 68 are applicable in addition to the following:

**Fasteners** - Each container of fasteners shall be conspicuously marked with the number of the lot/heat/batch or date code from which such fasteners were taken. The supplier shall provide one Certificate of Conformance for each part number contained in a fastener shipment. This document shall contain as a minimum the name of the Original Component Manufacturer (OCM)/Original Equipment Manufacturer (OEM), lot/heat/batch, 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 L3HARRIS Greenville/Waco/C3ISR upon request.

The Original Component Manufacturer (OCM) / Original Equipment Manufacturer (OEM) 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.

74. **Commerical off the Shelf (COTS) Certificate of Conformance:** Provide Certificate of Conformance from the Supplier in the supplier's format.

The Certificate of Conformance should include:

- Date
- Supplier name/address
- Customer name/address
- PO Number/Contract number/Long Term Agreement number
- L3Harris Part Number
- Quantity or List of Serial Numbers
- Name and signature of Supplier's authorized representative
- Conformance Statement certifying that all material and product fabrication has completed in accordance with Purchase Order requirements.

75. Supplier shall use NADCAP approved special process supplier(s) only.
76. Supplier shall meet the requirements of MIL-STD-130N for Unique Identification (UID) and Item Unique Identification (IUID) as per engineering specified requirement.