

Supplier Quality Codes

For Deployable Space Systems

Author John Espinoza	Release Date 2014-06-26	Document Number QA-049
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Revisions					
Revision	Date	Section	Paragraph	Summary of change	Authorized by
-	2014-06-26			Initial issue	QA: J. Espinoza
A	2014-08-15			Released into PDM	QA: J. Espinoza
B	2014-10-30			Revised and reorganized quality codes and added Group Code Table 1	QA: J. Espinoza
C	2015-02-17			Added QA Group Codes 34 & 35 'Tooling' Code 8 - Defined Batch Inspection Sample sizes Code 9 – Further defined material samples	QA: J. Espinoza
D	2016-04-11			Corrected typo's throughout, added Quality Code 18 and group code 36 (composites)	QA: J. Espinoza QA: J. Rivas Eng: J. Buckingham-Cain
E	2016-08-22	Q Code 8 Table 1		Code 8 - Moved Inspection Report to Code 9 Added Group Codes a and b, to distinguish Inspection Report req.	QA: J. Espinoza QA: J. Rivas
F	2016-10-13	Table 1 Q Code 9		Table 1, updated PO Group codes and moved to Page 1, Updated Q code 9	QA: J. Espinoza QA: J. Rivas

G	2017-02-23	Table 1 Groups		Added Groups; ENG-02 & COTS-02	QA: J. Espinoza QA: J. Rivas
H	2017-11-27	Table 1 Groups		Added Group: ENG-02, COM-01 Updated Quality Code 03: Added Subcontractor outsourcing requirement. Updated Quality Code 08: Added "Invoice" and "If Applicable" in revision statement. Updated Quality Code 09: Removed "Inspection Report" & "First Piece"	QA: J. Espinoza QA: J. Rivas
J	2018-01-05	Table 1 Q CODE 15		PO Group Codes "ENG-03, COM-01: Added "Raw Materials" Added "or equivalent approved by DSS".	QA: J. Espinoza QA: J. Rivas
K	2018-03-15	Table of Contents Table 1 and Quality Codes Q CODE 09		Added SAFE-01, Group Code Q19 "Safety/Lifting Requirements" and Added HSF-01, Group Code Q20 "Human Space Flight" 8) Sampling Requirements	QA: J. Espinoza QA: J. Rivas
L	2019-09-09	Table of Contents Quality Codes Q Codes 21, 22 & 23		Moved Table of Contents to page iv. Added Group Codes CRT-01, CRT-02, ENG-03, EEE-02. Added Q-Code 21, 22 and 23. Added Q-code 06, Letter D. Updated Q Code 09 for IR and FAIR. Update QA-017 Letter C, added 11) & 12)	QA: J. Espinoza QA: J. Rivas

M	2020-01-23	Table of Contents Table 1 Code 9		Moved Table of Contents to page v. Added CRT-03. Added Flight Only.	QA: J. Espinoza QA: J. Rivas
N	2021-06-21	TOC Table 1 Section 1G		Added TOC Consolidated group codes to simplify listings Added code 1G (NCR SS3)	QA: S. Reichert
P	2022-03-29	TOC Table 1 1.0 9.0, 24 15.0 25.0		Renamed Q code 15 to "Calibrated Equipment Certification" Removed Q Code 08 C, OEM Cert from FLT-01 Updated Q Code 13 A-C Updated Q Code 15 A and 15 B throughout Added Q Code 16 to EEE-01 Updated 1B to refer to QAF-117 for approvals Revise wording of code 9 and changed 9.b to code 24, reference code 15 A. Added Q Code 15 B Added Q Code 25	QA: S. Reichert Supply Chain: B. Spink

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TABLE 1 – SUPPLIER QUALITY GROUP CODES

PO Group Codes	Type of Product	DSS Supplier Codes
FLT-01	Flight Material w/ Special Process	01 A-G, 02 A-C, 03, 04, 05 A-C, 08 A-B, 09, 10, 11 A, 13 A-C, 15 A, 16, 17 A-C
FLT-02	Flight Fasteners	01 A-G, 02 A-C, 03, 04, 08 A-C, 16, 17 C
ENG-01	Non-Flight Material Packing Slip Only	08 A Only
ENG-02	Non-Flight Material w/ Cert of Conformance	01 A-E&G, 03, 04, 08 A-B
CRT-01	Critical Tool w/ Inspection Report	01 A-G, 02 A-C, 03, 04, 05 A-C, 08 A-B, 09, 10, 15 A, 17 A-C
EEE-01	Flight Electrical Component and Assembly	01 A-G, 02 A-B, 03, 04, 06 A, C & D, 08 A-C, 16, 17 A-C
COMP-01	Composites	01 A-G, 02 A-C, 03, 04, 05 A-C, 06 A & B, 08 A-C, 09, 11 A, 15 A, 17 A-C, 18
LSLM-01	Limited Shelf Life Material	01 A-G, 02 A-C, 03, 04, 06 A, 08 A-C, 11 A, 17 C
CAL-01	Calibration Tools & Services	01 A-G, 02 A-C, 04, 05 B, 06 C, 08 A-B, 15 B
RAW-01	Raw Materials	01 A-G, 02 A-C, 04, 08 A-C, 11 A, 17 C
SPL-01	Special Processes	01 A-G, 02 A-C, 04, 05 B & C, 08 A & B, 13 A-C, 15 A, 17 A-C
HAZ-01	Hazardous Materials	01 A-G, 02 A-C, 03, 04, 06 B, 08 A-C, 17 A-C
TST-01	Testing Assemblies	01 A-G, 02 A-C, 04, 08 A-B, 12 B, 13 B-C, 15 A, 17 A-B
TST-02	Testing Raw Material	01 A-G, 02 A-C, 04, 08 A-B, 11 A, 13 B-C, 15 A, 17 A-B
SRV-01	On-Site Service	13 B and 15 A
SAFE-01	Safety Requirements	19
HSF-01	Human Space Flight Items	20

This document identifies specific quality requirements that may be levied on suppliers, distributors, and/or sub-tier contractors, who provide material and/or purchased items to Deployable Space Systems (DSS). This document is also intended to enhancement the purchase order/contract requirements.

1.0 QUALITY CODE: 01 - GENERAL REQUIREMENTS

- A) These Quality requirements, codes and clauses are intended to be in addition to, not in derogation of, procurement action requirements.
- B) If a Supplier cannot comply with any applicable quality requirement listed within a quality code or quality clause of a purchase order (PO), resolution and/or changes to the requirements must be obtained via QAF-117 prior to acceptance of the DSS purchase order.
- C) The primary point-of-contact for any modification to the Suppliers PO/Contract shall be the DSS procurement representative.
- D) Distributors, as the direct Supplier to DSS, as well as, the original Manufacturer, are responsible for compliance with all purchase order requirements. The applicable requirements of all quality codes, quality clauses, and any technical requirements listed on the purchase order, will apply to both the Distributor and the Manufacturer of the product. All reasonable measures shall be taken by the Distributor and Manufacturer to validate all items sold to DSS are from an authorized source and certify that all materials provided are not counterfeit articles. If any Distributor items or materials are discovered to be counterfeit, from any source, DSS shall be immediately notified in writing (See Q-Code 05).
- E) All data, documents and any certificates of conformance from the Supplier and sub-tiers shall be in English, or contain an English translation, and must be signed by a company management representative.
- F) **Record Retention:** All assembly/production/programming documents, material certifications (including inserts/hardware), supplier generated quality documents (C of C, FAI reports, inspection records, and discrepancy reports), DSS models, POs and any customer related flow down documents shall be archived for 7 years and available upon request unless otherwise requested via PO.
- G) Supplier must comply with all applicable laws and regulations and be committed to the highest standards of ethics and business conduct. Supplier must not engage in unfair business practices (i.e. business gifts, etc.), and should avoid involvement in activities that could be perceived as a conflict-of-interest. Supplier to enforce all product safety requirements, including the management of critical items and key characteristics. Supplier to communicate any concerns regarding product safety to DSS. Supplier will ensure that employees and people working on its behalf are aware of:
 - Their contribution to product or service conformity
 - Their contribution to product safety
 - The importance of ethical behavior

2.0 QUALITY CODE: 02 - QUALITY MANAGEMENT SYSTEM

- A) Supplier's Management System shall conform to a National and/or Internationally recognized QA system (i.e., AS9003, AS9100, AS9120, ISO9001, MIL-Q-9858, ISO10012-1, ISO17025, ANSI/NCSL Z540, NADCAP) as applicable to the type of products and/or services provided to DSS, unless an alternate quality system level/type has been determined acceptable by DSS Quality.
- B) Suppliers shall notify DSS when changes occur that will affect their management system (address/location, quality system approval level/type). In order to maintain an accurate Approved Supplier List, DSS may conduct periodic reviews (surveys, questionnaires, on-site visit, etc.) to ensure a Supplier's information is correct and current.
- C) **Configuration Control:** The Supplier shall have a documented system to ensure DSS design model, DPD, supplier-derived files and PO change orders are placed under configuration control. Supplier-derived production files shall be validated prior to use and maintained in a manner that prevents misuse or alteration. All revisions shall be controlled. Supplier requests for changes to the design model or DPD shall be documented and submitted to DSS in writing and changes are only allowed with written permission from DSS.

3.0 QUALITY CODE: 03 - SUB-TIER FLOW DOWN

Direct Suppliers to DSS shall flow down applicable quality and purchase order requirements to their sub-tier Suppliers to ensure that the integrity of the specified requirements are maintained throughout the supply chain (i.e., first piece/article inspection, customer approved special processes, key characteristics, record retention, etc.).

Subcontractor may not outsource fabrication efforts unless approved by DSS Procurement Representative.

4.0 QUALITY CODE: 04 - CUSTOMER RIGHT OF ACCESS

DSS, DSS' Customers and regulatory agencies may visit the Supplier's facility and/or their sub-tier Suppliers for the purpose of verifying contract compliance and product conformity (i.e., source inspection, witness testing, product audit, quality system audit). Supplier will provide the necessary support to the visiting personnel. Arrangements for such visits will be coordinated through the DSS Buyer or Quality Management representative.

5.0 QUALITY CODE: 05 - MRB AUTHORITY & NON-CONFORMANCE REPORTING

- A) Supplier is NOT granted Material Review Board (MRB) authority for any product that is manufactured to a DSS drawing/specification or a DSS Customer's drawing/specification. Any deviations to engineering drawings/specifications must have DSS and/or the DSS Customer's written approval using DSS Form QAF-117 prior to shipment of product.
- B) Supplier will notify DSS, when discrepancies in the Supplier's process or product are discovered or suspected which may affect the fit, form, or function of any product in process or delivered to DSS. Authorization to continue processing any material not meeting the drawing or purchase order requirements is required. Proceeding without this authorization shall be at the supplier's risk.

- C) Supplier is to provide Root Cause analysis and Corrective Action when a **Supplier Corrective Action Request (SCAR)** is issued as a result of non-conforming products, services, on-site survey/evaluation, or documentation and/or delivery discrepancies.

6.0 QUALITY CODE: 06 - SPECIAL HANDLING MATERIALS

- A) **Limited Life Products** subject to degradation with age or varying temperatures must be clearly stated on the certificate of conformance/packing slip or product/packaging in addition to expiration date, cure date and lot identification. Product/materials shall have a minimum of 75% shelf life remaining at time material is received at DSS. If the Supplier desires to provide product with less than 75% shelf life, Supplier is required to obtain approval from the DSS Quality Management prior to shipment.
- B) **Hazardous Materials** shall be properly packaged in accordance with the applicable Federal Regulations (DOT). Containers will be plainly marked as to the contents with appropriate warnings, precautions, instructions and storage conditions. Appropriate documentation (MSDS, handling, etc.) shall accompany each shipment.
- C) **Electrostatic Sensitive Devices (ESD)** shall be packaged and labeled in accordance with the appropriate specification/drawing requirements (i.e., ANSI/ESD S20.20-1999) for the product/material being provided to DSS.
- D) **Age Control of EEE Parts and Assemblies** All Electrical, Electronic, or Electromechanical (EEE) parts procured from the Supplier shall have been manufactured within **5 (Five)** years from the delivery date. Manufacturing date shall be clearly stated on the Certificate of Conformance. If the Supplier desires to provide product, Supplier is required to obtain approval from the DSS Quality Management prior to shipment.

7.0 QUALITY CODE: 07 – GOVERNMENT / CUSTOMER FURNISHED EQUIPMENT / MATERIALS

When property is furnished by DSS or the Government, the contractor shall inspect the shipment upon receipt for any damage that may have incurred while in transit, and provide for the protection, periodic inspection, and controls necessary to preclude damage or deterioration during handling, storage, or use. The contractor shall report to DSS any government furnished property found damaged, malfunctioning, or otherwise unsuitable for use, and shall determine and report the probable cause and necessity for withholding such property from use. Unsuitable property shall be properly handled to prevent further damage and/or additional repair costs. Damaged CFE or GFE shall be documented on the contractor's internal defect reporting record and processed through the non-conforming material board.

8.0 QUALITY CODE: 08 - DATA PACKAGE DOCUMENTATION

Supplier is required to provide a documentation package with each shipment sent to DSS that contains the following documents:

- A) Packing Slip and/or Invoice which references the PO number, quantity shipped, part number, revision if applicable and description of the items being delivered.
- B) A signed Certificate of Conformance referencing the PO number, part number, revision, and quantity being shipped.

- C) Certification from the OEM (Original Equipment Manufacturer) that includes lot number traceability and/or manufacturing date code.

9.0 QUALITY CODE: 09 - INSPECTION REPORT

An **Inspection Report** is required for the item/services ordered. The inspection report shall include actual inspection results for each item provided with the shipment.

A sampling plan that conforms to ANSI/ASQ Z1.4, General Inspection Level II, Single, Normal and AQL 1.0 may be used in lieu of 100% inspection.

The report shall contain the information listed as a minimum:

- 1) Drawing number, configuration, and revision, DSS PO number and line item number.
- 2) Actual inspection results of all drawing features, dimensions, drawing notes, tolerance block and Purchase Order requirements. When inspecting more than one unit, the range of the actual results is acceptable. Actual results are required, no check marks or “pass” notations are acceptable as a form of dimensional acceptance.
- 3) Notation, verification and OEM certifications of applicable materials, process specifications used, and components installed per drawing or Purchase Order requirements, including traceability to lot number, heat number, date code or batch number (i.e., unique Certification number) (Flight Drawings only).
- 4) All information related to any non-conforming condition experienced during manufacturing shall be included in the inspection report, including final disposition and DSS approval (See Q code 5).
- 5) All tools and equipment used to perform the inspection listed in the inspection report. The objective being if a device fails calibration, identification of where it was used is readily retrievable (See Q Code 15 A).
- 6) A completed and signed Inspection Report for machined articles, Customer Molded and manufactured 3-D parts.

10.0 QUALITY CODE: 10 - DIGITAL PRODUCT DEFINITION

DPD Definition: This is an engineering definition of the product, provided in a 3D computerized presentation typically viewable on a Computer Aided Design (CAD) system. In addition to the CAD model, the entire product definition may include information such as a parts lists, material specifications, and tolerancing. (Reference: ASME Y14.41-2012, ISO 16792:2006)

The DPD is usually provided to the supplier in the form of a .stp, iges, or .dxf, or parasolid.

Supplier DPD System Requirements shall include:

- Revision control of the digital model supplied by DSS.
- Purchase Order reference of the digital model revision provided by DSS.
- A comprehensive inspection report that verifies the machined article meets the requirements of the digital model.

- The tools used to perform the inspection with their calibration status.
- Sampling size shall be defined and approved by DSS prior to submitting to final inspection.

11.0 QUALITY CODE: 11 - RAW MATERIALS

- A) **Raw Material Test Data:** Supplier is to provide a copy of the raw material test data (chemical, physical, heat treatment, etc.) for the ordered product that demonstrates compliance with applicable specifications (QQ-N-; AMS-; SAE-; etc.) and/or drawings requirements. If the DSS purchase order or drawing requires specific materials, and the supplier substitutes these materials, approval by DSS QA management is required prior to procuring or using any material that is not on the applicable purchase order or drawing.
- B) **Material Samples:** Supplier shall submit test samples of each batch of material sufficient to conduct tests in accordance with specification or purchase agreement requirements. The test samples shall accompany the finished product, and either be an exact duplicate, functional representative or a fully processed block sufficient to undergo testing. Each test sample shall be clearly and permanently marked and/or *Bag and Tagged* with the following: batch or lot number; date manufactured; specification or material control information number; Supplier's designation; and the purchase agreement number.

12.0 QUALITY CODE: 12 - CUSTOMER RELATED PROCESSES

- A) **Customer Source Inspection:** Source Inspection by DSS and/or the DSS Customer is required prior to shipment of product. Supplier is to contact DSS purchasing or the DSS quality management representative with a 48-hour advance notice of product shipment to make arrangements for source inspection activity.
- B) **Customer Test Witnessing:** DSS and/or DSS Customer may witness acceptance testing at Supplier facility if requested per Purchase order instructions. Supplier is to contact DSS Procurement representative or the DSS Quality Manager in advance of acceptance testing activities to make arrangements for witnessing of testing if instructed by PO.

13.0 QUALITY CODE: 13 - SPECIAL PROCESS CERTIFICATION

DSS reserves the right to request/receive evidence of compliance to specification requirements (training, qualifications, etc.) for any employee or subcontractor that performed a special process associated with an ordered item. Technicians/Personnel performing any Special Process described on this Purchase Order shall be qualified and certified to the current applicable standard/specification for that process referenced in the DSS drawing or PO. Each special process certification shall have QA Manager/Supervisor approval.

- A) **Special Process Certifications** - Supplier shall furnish certificate(s) of conformance with the specification(s) of the special processes performed, including but not limited to: flame/metal spraying, welding, heat treatment, plating and coating (electroplating, chemical film, anodizing, powder coating, paint), etching and priming.
- B) **Testing Certifications** - Supplier shall furnish certificates of conformance for testing that includes the specification(s) associated with the performed testing including but not limited to: nondestructive testing (ultrasonic, magnetic particle, dye penetrant, and X-ray inspections,

spectral scans), environmental and laboratory testing, and environmental testing such as vibration, acoustic, shock, and thermal cycle

- C) The personnel performing the service and are in direct contact with DSS product, shall be certified according to the PO requirements.

The Supplier shall have records of its personnel certifications and sub-tier supplier special process approvals on file and available for review by DSS if requested.

14.0 QUALITY CODE: 14 - GOVERNMENT SOURCE INSPECTION

The Government reserves the right to perform Government Source Inspection (GSI) on this order. During performance of this order, all material certification, special processes, build documentation, and any other documentation related to this order. Your quality control, inspection system, and manufacturing processes are also subject to review, verification, and analysis, by authorized Government representatives.

15.0 QUALITY CODE: 15 - CALIBRATED TOOLS CERTIFICATION

- A) For each item/service the Supplier provides, the Supplier shall identify what tools are used to monitor conditions or validate dimensions. This shall include a discrete control number and a description of the tool. Any equipment used to satisfy the requirements of this PO, must be certified to meet the requirements of ANSI/NCSL Z540, ISO 10012-1, or ISO/IEC 17025 or equivalent approved by DSS. Equipment or calibration standards shall be traceable to the National Institute of Standards and Technology (NIST). The Supplier is required to have a certificate of calibration for all equipment used on file and provide a copy to DSS if requested.
- B) Calibrated Tool Providers, Calibration Service Laboratories, or OEM shall provide a signed calibration certificate with a detailed reporting of results in accordance with ANSI/NCSL Z540, ISO/IEC 17025 or equivalent approved by DSS. Any equipment used to satisfy the requirements of this PO, must be certified to meet the requirements of ANSI/NCSL Z540, ISO 10012-1, or ISO/IEC 17025 or equivalent approved by DSS. Equipment or calibration standards shall be traceable to the National Institute of Standards and Technology (NIST).

16.0 QUALITY CODE: 16 - COUNTERFEIT PARTS PREVENTION

DSS requires this commodity to be procured directly from the original manufacturer or authorized distributor only. Parts must be procured per AS5553.

The supplier is to provide a Certificate of Conformance that lists this information:

- A) If an OEM, provide an OEM/OCM Certificate of Conformance.
- B) If an Authorized Distributor, provide an Authorized Franchise Distributor Certificate of Conformance.

The Certificate of Conformance should also include, at a minimum, the following information:

1. DSS purchase order number,
2. Part number and/or description of the ordered item,
3. Revision number/letter of the item being provided, when applicable, and
4. Signature and/or stamp of the Supplier's representative.

17.0 QUALITY CODE: 17 - PROCESS CONTROL

- A) **Changes:** DSS Supplier is required to notify DSS when changes occur to the manufacturing/service process, process procedures and/or products/solutions that affect piece part and/or assembly level configuration.
- B) **Process Controls for Fabrication Process:** The Supplier shall prepare procedures to control fabrication processes (e.g., metal joining, bonding, plating and coating, chemical or surface treatment, pressure testing) wherein inspection cannot ensure uniform quality. When samples or visual aids are necessary to define acceptable workmanship, they shall be selected by the Supplier and approved by DSS QAM.
- C) **Prohibited Materials:** The use of any of the following materials in any flight hardware is prohibited unless specifically reviewed and approved by DSS:
 - 1) Solder alloys with greater than 97% tin
 - 2) Platings, coatings, or claddings of tin unless they contain a minimum of 3% alloying constituent (such as lead, silver, etc.)
 - 3) Tin plated wire in crimped wire terminations (soldered terminations are acceptable)
 - 4) Cadmium, selenium, magnesium, or zinc except internal to hermetically sealed devices
 - 5) Brass with zinc content greater than 15% unless over-plated or over-coated with an approved material
 - 6) Mercury or compounds of mercury
 - 7) Zinc chromate protective coatings
 - 8) Vinyl or polyvinyl chloride (PVC)
 - 9) Tin-copper, tin-zinc, tin-bismuth solder alloys and other so called "lead free" solder alloys
 - 10) Corrosive solder fluxes (Type RA or IPC ANSI/J-STD-004 Type ROM0, ROM1, ROH0, & ROH1)
 - 11) Ethyl alcohol, methyl alcohol or chlorinated solvents shall not come in contact with Titanium or Titanium Alloys

Class 1 Ozone Depleting Substances shall not be used in the manufacture, assembly, test, handle, packaging, ship, or store DSS hardware.

All subcontractors and their suppliers must also comply with these restrictions. Compliance to these restrictions is subject to review and periodic audit by DSS.

Subcontractors that do not perform physical testing of materials and/or EEE parts, for verification of compliance to the above prohibited materials restriction's, may be required to submit sample materials or parts to DSS or other outside testing service for validation.

18.0 QUALITY CODE: 18 – COMPOSITE MATERIAL/HARDWARE

Composite materials and hardware must be considered extremely critical to flight operations and must be handled with extreme care. Protective gloves and clothing must be worn whenever handling this category of hardware. Traceability to all materials, processes, and procedures must be stringently adhered to at all times, and accurately recorded in the build documentation. Any/all deviations to internal process controls must be documented and approved by DSS prior to implementation. Changes to DSS provided documentation cannot be made without written authorization from DSS engineering and Quality Assurance.

19.0 QUALITY CODE: 19 – SAFETY/LIFTING REQUIREMENTS

This order requires compliance to the safety requirements defined in NASA-STD-8719.9, National Consensus Standards, applicable Federal OSHA standards, or (approved equivalent) for handling, lifting, supporting, or manipulating critical and non-critical DSS hardware.

20.0 QUALITY CODE: 20 – HUMAN SPACE FLIGHT

FOR USE IN HUMAN SPACE FLIGHT; MATERIALS, MANUFACTURING, AND WORKMANSHIP OF HIGHEST QUALITY STANDARDS ARE ESSENTIAL TO ASTRONAUT SAFETY. IF YOU ARE ABLE TO SUPPLY THE DESIRED ITEM WITH A HIGHER QUALITY THAN THAT OF THE ITEMS SPECIFIED OR PROPOSED, YOU ARE REQUESTED TO BRING THIS FACT TO THE IMMEDIATE ATTENTION OF THE PURCHASER.

21.0 QUALITY CODE: 21 – SERVICES

- A) A Packing Slip and/or invoice which references the PO number and service completed that has been performed by the supplier.
- B) A signed Certification of Conformance for the service shall be provided with each shipment or service performed upon completion per the PO requirements.
- C) QAF-083, Non-Disclosure Agreement Form shall be signed and submitted to DSS Contracts Department.

22.0 QUALITY CODE: 22 – SINGLE LOT/DATE CODE

All items provided for this PO Line item shall be traceable from a single manufacturing lot/date code. Mixed lot date codes will not be accepted.

23.0 QUALITY CODE 23 – SILICONE

Supplier shall have control plans for the use of silicone materials. No silicone adhesive, sealant, or tapes shall come in contact with parts supplied to DSS unless specifically reviewed and approved by DSS.

24.0 QUALITY CODE: 24 – FIRST ARTICLE INSPECTION

First Article Inspection (FAI) shall be performed by the Supplier in accordance with AS9102 or DSS approved equivalent. The sample shall have been fabricated using the same parts, materials, processes, and locations proposed for full production. A report of acceptable first article inspection shall accompany the first part delivered and shall include all dimensional measurements and results of all applicable electrical, mechanical, and non-destructive inspections and tests. The report shall show the item meets all requirements. When FAI is imposed, approval of the first article is required before proceeding with full production.

25.0 QUALITY CODE: 25 – CRITICAL DIMENSIONS

Supplier shall inspect and report all critical dimensions on 100% of parts. A critical dimension is identified by a diamond flag on the drawing, or as noted by the PO.