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Discovery Contract Quality Flow Downs

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Discovery Contract Quality Flow Downs

DSC-01: Certificate of Conformance

Supplier shall provide a Certificate of Conformance (C of C) with each shipment for all materials, processes, and/or finished goods supplied against this order. The C of C shall serve as written verification that all parts, materials, hardware, processes, and finished items to be supplied under this or any associated purchase order (PO) or subcontract have been inspected, tested, and found to comply with the requirements of the PO. PLEASE NOTE: Technology Service Corporation will hold supplier's invoice unpaid until all proper documentation is received. C of C format may vary but required information includes, at a minimum, the following:

- Supplier's name
- Manufacturer's name (when different from the supplier)
- TSC PO number
- TSC or supplier part number and revision level, as applicable, as specified on the purchase order (NOTE: Change notices shall be included if they are not part of the revision level.)
- Material quantity
- TSC parts list revision when parts list is specified on TSC drawings or defined in the PO (as applicable)
- Serial number, date code, lot/batch/heat number (as applicable) Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-01)

DSC-02: Conformance & Traceability (CoCT)

Component parts provided to fulfill this Purchase Order must be new and supplied from either the Original Component Manufacturer (OCM), OCM franchised distributor or an authorized aftermarket manufacturer. At time of delivery, a Certificate of Conformance and Traceability "CoCT" or authenticating documentation required to fully trace the distribution and sale of good delivered hereunder back to the relevant OM shall be provided. (DSC-02)

DSC-03: Raw Material

All raw material shall be marked with the lot/heat number, material type, and purchase order number in indelible ink on the raw material itself. Material certifications issued by the material manufacturer (and if applicable, the supplier or supplier's sub-tier source that provided the products or material delivered on this purchase order) shall be provided. The material certification(s) shall state the following:

- Material call out,
- Applicable specification,
- Type,
- Class,
- Grade,
- Lot number and/or date code,
- Signature and title of the authorized representative issuing the certification,



- Country of origin (which must be a "qualifying country" in accordance with DFARS 252.225-7002). Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-03)

DSC-04: Restriction on Acquisition of Specialty Metals

Supplier, by acceptance of this PO, certifies that any goods ordered herein containing "specialty metals" (as defined by DFARS 252.225-7008), includes only "specialty metals" that were melted or produced in the United States or its outlying areas, in accordance with DFARS 252.225-7008. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-04)

DSC-05: Conflict Minerals

If supplier is providing goods under this purchase order, commercially reasonable efforts shall be made to perform the following:

- (A) Identify whether such goods contain Tantalum, Tin, Tungsten, or Gold,
- (B) Conduct a reasonable Country of Origin inquiry regarding the origin of such minerals in such goods to determine whether such minerals originated in covered countries, as defined in Section 1502 of the Dodd-Protection Act,
- (C) Conduct due diligence on the chain of custody of the source of any minerals originating in covered countries to identify the smelter of said minerals,
- (D) Assist buyer in conducting reasonable due diligence concerning the smelters of such minerals. Supplier shall include this Conflict Minerals requirement in any agreement between supplier and its lower tier suppliers. Supplier shall provide reasonable documentation of supplier's and its lower tier suppliers' due diligence efforts, in a format prescribed by buyer, when requested to enable disclosure to disclosure to the Securities Exchange Commission. (DSC-05)

DSC-06: Counterfeit Parts

The supplier shall maintain a counterfeit item mitigation process that is in accordance with SAE AS5553 and AS6174, and shall provide evidence of such to TSC upon request. The supplier shall immediately notify TSC if the supplier becomes aware that items delivered in accordance with this purchase order contain suspect or confirmed counterfeit items. The supplier shall purchase material directly from the Original Equipment Manufacturer (OEM), Original Component Manufacturer (OCM), or an authorized OEM/OCM reseller or distributor. The supplier shall obtain documentation and retain all documentation required to fully trace the distribution and sale of the goods delivered in accordance with this purchase order back to the OEM/OCM. The supplier shall provide such authenticating documentation within two (2) business days upon request from TSC. The supplier shall provide complete and compelling justification and obtain written approval from TSC prior to shipment if items required to satisfy this purchase order cannot be procured from an OEM, OCM, or authorized reseller/distributor. The supporting documentation shall also include

- 1) results of authentication test and analysis conducted (using AS5553 as a guide),
- 2) traceability with identification of all supply chain intermediaries wherever such traceability exists,
- 3) identification of and traceability to the source for any remarked or resurfaced material.



The supplier shall segregate and provide traceability identifiers (i.e. date code / lot code., serial number) for all items delivered to TSC that contain an item procured from sources other than an OEM, OCM or their authorized distributors. The supplier and its sub-tier suppliers that are allowed access to the US Government Industry Data Exchange Program (GIDEP) shall participate in monitoring GIDEP reports and the supplier shall act on GIDEP reports that affect product delivered to TSC. When possible, the supplier shall issue a GIDEP report when suspect or confirmed counterfeit item(s) associated with this purchase order are discovered and ensure suspect counterfeit items are not delivered to TSC. Should it be determined that the supplier has supplied counterfeit parts, then the Buyer may at its election require the replacement of all materials with non-counterfeit parts at the expense of the supplier. Supplier shall be liable for all costs of the Buyer, including Buyer's expense, if any, in correcting this matter to the satisfaction of the Buyer's customers, including but not limited to the end customer. (DSC_06)

DSC-07: Calibration

The supplier shall ensure the calibration of all test and measuring devices is performed in accordance with one of the following:

1. ANSI/NCSL.Z540
2. ISO/IEC 17025

The supplier shall notify TSC of any measuring device found to be out of calibration that affects any product delivered to TSC as soon as it is discovered, including any time after delivery. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-07)

DSC-08: Safety Data Sheets (SDSs)

The supplier shall furnish a Safety Data Sheet (SDS) for each item on this purchase order that contains hazardous materials or requires special attention for proper handling. The SDS shall be in compliance with the Globally Harmonized System (GHS) for Hazard Communications in accordance with the Occupational Safety and Health Administration (OSHA) hazard communication standards. The Safety Data Sheet must accompany each shipment of material, and all shipments must be in compliance with applicable federal, state, and local environmental laws and regulations. (DSC-08)

DSC-09: Electrostatic Discharge (ESD) Protection

The supplier shall ensure that all ESD sensitive items are handled, packaged, and labeled in accordance with "Electrostatic Discharge Control," DOD-STD-1686, and DOD-HDBK-263. Supplier's ESD program shall meet the requirements of ANSI/ESD S20.20-2007 for Packaging, Storage, Shipping, Testing, and Production of product. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-09)

DSC-10A: Traceability

The supplier shall retain records that remain legible, readily identifiable, and retrievable for a period of 7 years after the date of the completion of this purchase order. The supplier is required to retain all records that are needed to demonstrate conformance to the purchase order. This may include records of inspection measurements, product testing, travelers, routers, records of calibration, raw material certificates, purchase orders to sub-tier suppliers and the corresponding certificates of conformance, etc. These records shall be made available to TSC upon request



within two (2) business days. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-10A)

DSC-10B: Traceability

The supplier shall retain records that remain legible, readily identifiable, and retrievable for a period of 10 years after the date of the completion of this purchase order. The supplier is required to retain all records that are needed to demonstrate conformance to the purchase order. This may include records of inspection measurements, product testing, travelers, routers, records of calibration, raw material certificates, purchase orders to sub-tier suppliers and the corresponding certificates of conformance, etc. These records shall be made available to TSC upon request within two (2) business days. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-10B)

DSC-11: Special Process Traceability

Supplier shall provide objective evidence of compliance to material process specified under this purchase order with each shipment. Objective evidence may be in the form of material test results, personnel certifications, inspection records, process sheets, etc., and shall include a Certificate of Conformance (C of C) specific to the special process. Special process C of C shall include the following:

1. Special process supplier's name
2. Date special process was performed
3. Material number on which special process was performed
4. Material quantity on which special process was performed
5. Indication that any special process was performed in accordance with stated specification
6. Signed/stamped and date of special process completion by manufacturer

Supplier is responsible for control and conformance of material processes procured from sub-tier suppliers. The supplier shall retain records of process control and of any sampling plan requirements called out in the drawing. These records shall include lot quantity, sample size, sampling size requirement, and values for each part required by the drawing. Evidence of supplier's validation of sub-tier suppliers' capabilities is required upon request. (DSC-11)

DSC-12: Critical and Limited Life Items

Date of manufacture and shelf life must be supplied with each limited life item. Limited life items must have a minimum of 50% shelf life remaining when received by TSC. (DSC-12)

DSC-13: Inspection

All goods and services shall be subject to inspection and test at all reasonable times and places by Buyer or Buyer's customer before, during and after performance and delivery. Buyer may require supplier to repair, replace or reimburse the purchase price of rejected goods or Buyer may accept any goods and upon discovery of nonconformance, may reject or keep and rework any such goods not conforming. Cost of repair, rework, replacement, inspection, transportation, repackaging, and/or re-inspection by Buyer shall be at supplier's expense. Buyer's acceptance of goods or services shall not be deemed to diminish Buyer's rights or be final or binding on Buyer if latent defects, fraud, or misrepresentation on the part of supplier exists. (DSC-13)



DSC-14: Export Control/ITAR

Supplier hereby certifies that it will comply with U.S. export and import control laws and regulations, including but not limited to the International Traffic in Arms Regulations (“ITAR”) (22 CFR 120 et seq.), the Export Administration Regulations (“EAR”) (15 CFR Part 730-774), the regulations administered by the U.S. Treasury Department’s Office of Foreign Assets Control (“OFAC”) (31 CFR Part 500-598), the regulations administered by the U.S. Department of Commerce, Bureau of Alcohol, Tobacco, Firearms, and Explosives (“ATF”) found in 27 CFR Chapter II, and all other applicable U.S. Government regulations relating to the importation of goods into the United States (including, but not limited to, the regulations administered by the U.S. Customs and Border Protection (“CBP”) at 19 CFR 0 et seq. and other import regulations promulgated by other U.S. agencies which may be enforced by CBP (collectively “U.S. export and import control laws and regulations”). If supplier engages in the United States in the business of either manufacturing, exporting, or brokering in ITAR-controlled defense articles or furnishing ITAR-controlled defense services, supplier hereby certifies that it has registered with the U.S. Department of State Directorate of Defense Trade Controls (“DDTC”). Ref DFAR 252.225-7048 Export Controlled Items. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-14)

DSC-15 RoHS

All materials and processes used in the manufacturing of this part or parts shall be RoHS compliant. RoHS certificate of conformance shall be delivered with each lot. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-15)

DSC-16: On-Site Visit (Right of Access)

Supplier agrees to on-site visits by TSC, their customer and/or regulatory agencies when required to verify processes, procedures, or to review product and documented information prior to shipment. TSC will notify supplier when an on-site visit is required. Supplier shall flow down this requirement to their sub-tier suppliers. (DSC-16)

DSC-17: NADCAP Accreditation

Supplier must not perform any work or process unless NADCAP accredited specifically for the special process to be performed and listed accordingly in the PRI on-line QML (www.pri-network.org or www.eauditnet.com). If supplier’s NADCAP accreditation changes, the supplier shall notify TSC per the terms of the NADCAP requirements. If processing has been performed on parts where NADCAP accreditation is required and the processor is not NADCAP accredited or has lost their NADCAP accreditation, the supplier will be responsible for the replacement costs of the parts including any expediting fees necessary for TSC to meet our requirements to our customer. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-17)

DSC-18: Foreign Object Damage (FOD) Prevention

The supplier shall establish and maintain an effective Foreign Object Damage (FOD) Prevention Program to reduce FOD using NAS412 as a guideline. The program shall be proportional to the sensitivity of the design of the product(s) to FOD, as well as to the FOD generating potential of the manufacturing methods. The program/process developed by the supplier shall be subject to review and audit by TSC. TSC’s customer and/or government representative(s), as well as



disapproval when the supplier's procedures or policies are insufficient or do not accomplish their objectives. The supplier shall ensure that there are no foreign objects received in packaging and packaging containers. The supplier shall not use packaging material that may leave residue on the parts as a result of packing or unpacking the product. NOTE: Foreign objects include staples, foam peanuts, and Styrofoam. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-18)

DSC-19: Prohibition of Pure Tin

Electronic, electrical, electromechanical, and mechanical piece parts and assemblies (including the internal fabrication of hardware) delivered to TSC under the provisions of this purchase order shall not have pure tin finishes. Additionally, any Tin-Lead (SnPb) plating or solder process/processing shall result in a finish of no less than 3% Lead composition. Supplier shall provide a Certificate of Conformance (C of C) with each shipment to verify the above listed composition requirements, or that the material meets at least one of the following:

- a. Supplier or supplier's sub-tier supplier has contacted the Original Equipment Manufacturer (OEM) and verified that the specific manufacture / lot date code of delivered product meets the specified minimum Lead (Pb) requirement if Tin (Sn) is present in the product.
- b. Supplier or supplier's lower tier supplier has verified by actual sample testing (X-ray Fluorescence testing is preferred) or other industry acceptable method that a minimum of 3% Lead (Pb) is present in any process that uses Tin (Sn). Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-19)

DSC-20: Obsolescence Management

The supplier shall notify TSC within two business days upon receipt of information that a part/material has or will become obsolete, including its sub-tier suppliers' parts and materials. The supplier shall assume full responsibility for resolution of parts obsolescence problems. The supplier shall identify alternate sources, replacement parts, or optional part numbers for parts and materials that become obsolete. The supplier shall revise applicable engineering drawings, schematics, and specifications to incorporate the new parts information. The supplier shall ensure hardware is producible, maintainable, and supportable through the life of the contract. (DSC-20)

DSC-21: Supplier Corrective Action Request (SCAR)

When required, the supplier agrees to provide a formal response to all Supplier Corrective Action Requests (SCARs) within the timeframe indicated on the SCAR. Failure to provide a formal SCAR response within the established time frame shall adversely affect supplier quality rating, and may impact future procurements. (DSC-21)

DSC-22: Acceptance Test Procedure

1. The supplier shall generate an Acceptance Test Procedure (ATP) and submit it for TSC approval prior to the delivery of the first unit of hardware. Subsequent changes or modifications shall be approved by TSC prior to incorporation.



2. Where ATPs are performed utilizing equipment controlled by computer software or firmware, the software or firmware associated with or affecting the tests requires TSC approval at the same time(s) as the remainder of the ATP.
3. The ATP shall detail all testing, screening and inspection required for acceptance of the procured material and shall include, as a minimum, the following: a) Conditions and parameters under which each test or inspection was performed, b) Tooling and equipment used during testing and inspection (including calibration due dates of tooling/equipment), c) The method of testing and inspection performed, how to test or inspect and how to record results, d) The sequence of the tests and inspections performed, e) Accept/reject criteria, f) Traceability of every requirement to a test or inspection on the ATP.
4. The supplier shall not test material without an approved ATP. 5. The supplier shall maintain a copy of the approved ATP, available for TSC review, for the period of time specified by DSC-10a or DSC10b, as applicable. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-22)

DSC-23: Commercial Packaging

Preservation, packaging, and packing of all deliverable goods shall be in accordance with the latest revision of ASTM D3951, Standard Practice for Commercial Packaging, unless other requirements are specified in this purchase order/technical data package. Pink Poly material shall not be used as a primary packaging material or as an insert in waffle packs or trays. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-23)

DSC-24: First Article Inspection

The supplier shall use a representative item from the first production run of a new part or assembly to verify that the production processes, production documentation, and tooling are able to produce parts and assemblies that meet requirements. This activity shall be repeated when changes occur that invalidate the original results (e.g., engineering changes, production process changes, tooling changes). The supplier shall include in the initial shipment a complete copy of the full or partial FAI report with the corresponding part, assembly, or unit on which the FAI was performed. If shipped separately, the supplier shall bag, tag, label, or otherwise clearly identify the part, assembly, or unit on which the FAI was performed.

1. The supplier shall perform a First Article Inspection (FAI) that conforms to the requirements of AS9102, Aerospace First Article Inspection (Forms 1, 2, and 3). The required revision of AS9102 is the latest released revision as of the date of the purchase order. If the AS9102 forms cannot be used, the fields of information must be in alignment (numbering/mapping/requirements) and must include all data fields of AS9102 Forms 1, 2, and 3 in the alternate form utilized.
 - 1.1 First article inspection of fabricated items shall include all information required by AS9102 Form 3 and full details for the "Requirement" and "Results" fields, per the following: Requirement: a. Full requirement for each feature (dimension and tolerance) as shown on the drawing. b. Full notes as shown on drawing. c. Full specifications as shown on drawing. Results: a. Measurement data (measured value and unit) for each requirement (N/A is not acceptable). b. Inspection tooling method



recorded in “Comments” column. PLEASE NOTE: If supplier is unable to provide measurement data for any feature or dimension for any reason, supplier shall contact TSC for guidance via AL-Disc-Quality@tsc.com.

2. The supplier shall notify TSC at least 10 working days in advance of the planned first article inspection to allow TSC participation, if required.
3. The supplier shall provide justification if a full or partial FAI is not performed due to any lapse in production of one year or more and any non-administrative drawing revision changes. This justification must be approved by TSC. All design or process changes require a new partial, (Delta) FAI.”
4. The supplier shall include a complete copy of the full FAI or partial FAI package with the initial shipment.
5. The supplier shall not commence production of units beyond the first production lot until the successful completion of the FAI with approval from TSC, unless authorized by TSC. Any parts produced beyond the first production lot without TSC's approval shall be at the sole risk of the supplier.
 - 5.1 A supplier that is unable to comply with the FAI requirements identified herein shall submit an alternate FAI plan to TSC and obtain approval prior to the commencement of manufacturing.
6. A TSC representative may witness any FAI activity or request a new FAI be performed at any time.
7. FAI is required for subassemblies and detail parts that make up the configuration item(s) included on this purchase order, except for the following: a) CATALOG AND COMMERCIAL OFF-THE-SHELF - If the part number, as listed on this PO, is for a TSC or supplier designed product that has standard catalog or commercial off-the-shelf hardware included at subassembly levels, then FAI is not required for the standard catalog or commercial off-the-shelf parts/assemblies.
8. Supplier shall flow down these requirements to applicable lower-tier suppliers and ensure those suppliers’ first article documentation packages (for subassemblies or detail parts) are in compliance with AS9102 requirements. (DSC-24)

DSC-25: Serial Number Traceability

Serial Number Traceability - Serial number traceability is required for this purchase order. Serial number schemes shall be developed, controlled, and implemented by the supplier for each deliverable part, assembly or end item. Serial numbers shall be unique for each part and must be used once only, for this or any follow-on orders. A list of serial numbers to be shipped must be printed on the delivery documentation (C of C, packing list, etc.) and documented on Acceptance Test Procedures, if required. Serial number shall be permanently marked on each deliverable part, assembly or end item. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-25)

DSC-26: Connector Protection

1. Supplier shall protect all unmated connectors at all times during assembly, storage and test.



2. Supplier shall protect individually assembled connector(s) that have contacts or sockets with protective caps or other suitable packaging prior to shipment.
3. Supplier shall ensure connectors are free of foreign objects prior to placing caps on connectors.
4. Supplier shall ensure that all ESD-sensitive electrical connectors have connector protection that is ESD compliant to MIL-STD-1686 Human Body Model (HBM), Class1. Non-conductive caps may be used if the part is not ESD-sensitive.
5. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-26)

DSC-27: Material Review Authority

Once a deviation or waiver (nonconforming) condition is identified, continuing to add value to the item(s) without TSC approval is at supplier risk. Unless otherwise specified in this purchase order or other contractual documentation, the supplier and/or any of their suppliers/subcontractors do not have Material Review Board (MRB) authority to process use-as-is, repair, or standard repair procedures via their MRB. These dispositions, including requests for deviation and requests for waivers, require TSC MRB disposition and shall be submitted to TSC for approval. The supplier shall include the deviation/waiver number on the Certificate of Conformance (CoC) and include a copy of the approved TSC deviation/waiver with the shipment.

1. Supplier is authorized to make the following dispositions:
 - a. Rework to product requirements
 - b. Scrap
 - c. Return to sub-tier supplier
2. Supplier is not authorized to make the following dispositions:
 - a. Use as is (UAI)
 - b. Repair
3. If the supplier determines that a UAI or Repair disposition is needed, the supplier shall contact TSC for MRB disposition authorization. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-27)

DSC-28: IPC Workmanship Standard

Supplier shall comply with the applicable requirements of the IPC standards listed below:

- a. PWBs - Workmanship Standard IPC-A-610 Class 3 (Acceptability of Electronic Assemblies)
- b. Cable and Wire Harness Assemblies – Workmanship Standard IPC/WHMA-A-620 Class 3 (Requirement and Acceptance for Cable and Wire Harness Assemblies) Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-28)

DSC-29: ISO 9001 QMS Certified

ISO 9001 Quality Management System - The supplier shall be in compliance with the current version of ISO 9001 Quality Management System Requirements. Compliance to the requirements above shall be validated by one of the following: 1. Supplier shall submit a current 3rd party certification to AS9100, AS9120 or ISO 9001 from an International Aerospace Quality Group (IAQG) or International Accreditation Forum (IAF) affiliated Registrar or 2. Supplier shall support



a TSC audit based upon requirements of AS9100, AS9120, or ISO 9001. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-29)

DSC-30: AS9100 Quality Management System

The supplier shall be in compliance with the current version of AS9100 Quality Management System Requirements. Compliance to the requirements above shall be validated by one of the following:

1. Supplier shall submit a current 3rd party certification to AS9100 from an International Aerospace Quality Group (IAQG) affiliated Registrar or
2. Supplier shall support a TSC audit based upon requirements of AS9100. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-30)

DSC-31: Supplier Process Change Control

No changes in materials, processes, procedures, design interfaces or software which affects the form, fit, function, safety, weight, maintainability, service life, reliability, replaceability, or interchangeability of the items to be delivered to TSC shall be made without prior written approval/acknowledgement from TSC. Listed below are examples (not all inclusive) of events which the supplier shall evaluate for product impacts as defined above.

- a. Name / Cage Code / Relocation Change
- b. New Equipment
- c. Equipment Relocation
- d. Material Change
- e. Process Change
- f. Design Change
- g. Drawing Conflict
- h. Sub-Tier Supplier Change Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-31)

DSC-32: Nonconforming Material Control

Supplier shall have a documented internal system or process that includes provisions to identify, segregate, and control nonconforming material. Nonconforming product shall not be delivered unless prior authorization is received in writing from TSC. The supplier shall immediately notify TSC in writing of all product or material determined to be or suspected of being nonconforming after delivery to TSC. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-32)

DSC-33: Special Process Control

All suppliers, including sub-tier suppliers, of special processes required for fulfillment of this purchase order shall be approved by TSC and / or TSC customer specifically for each special process prior to performance of any such special process. Special processes performed prior to TSC approval will be at supplier's risk. Supplier shall confirm approval status for specific special processes by submitting inquiries to AL-Disc-Quality@tsc.com. Special processes referenced by specification within the TSC engineering design shall be identified, documented, and maintained by the supplier. Changes to special processes referenced within the TSC engineering design or



special process suppliers require prior written TSC approval. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-33)

DSC-34: Weld Inspection

Visual weld inspection by TSC, prior to coating, is required on this product in addition to inspection requirements elsewhere in the purchase order. A request to conduct the required in-process weld inspection must be made no less than (7) working days prior to the desired inspection time. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-34)

DSC-35: Solder Sample

The supplier shall provide at least one solder sample with each order. Solder samples may be non-functional but must meet the following:

- a. Must be a sample of finished product.
- b. Must be clearly marked to indicate sample.
- c. Must be whole (not a cut corner of the board).

Supplier shall flow down these requirements to applicable lower tier suppliers. (DSC-35)

DSC-36: Cross Section and Report

The supplier shall provide a cross section (or micro section) sample of the smallest hole on the board and a corresponding cross section report with each order. The cross-section report measurement data must correlate to the cross-section sample location provided. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-36)

DSC-37: Electrical Test Report

Electrical Test Report - The supplier shall provide an electrical test report with each order. The electrical test report must provide evidence of successful electrical testing of the entire order quantity of boards. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-37)

DSC-38: Dimensional Report

The supplier shall provide a dimensional report with each order. The dimensional report must provide evidence of verification that the mechanical outline and hole pattern measurements of the entire order quantity of boards conform to the applicable drawing. (DSC-38)

DSC-39: Prohibition of Hexavalent Chromium

Supplier will ensure compliance with DFAR 252.223-7008. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-39)

DSC-40: Restriction on Acquisition of Certain Articles Containing Specialty Metals

Supplier will ensure compliance with DFAR 252.225-7009. All specialty metals must have been smelted in the United States, its outlying areas, or a qualifying country listed in DFARS 252.225-7002. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-40)

DSC-41: Restriction on Acquisition of Hand or Measuring Tools

Supplier will ensure compliance with DFAR 252.225-7015. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-41)



DSC-42: Supply Chain Risk

Supplier will ensure awareness of DFARS 252.239-7017 and compliance with DFARS 252.239-7018. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-42)

DSC-43: Contractor Counterfeit Electronic Part Detection and Avoidance System

Supplier will ensure compliance with DFAR 252.246-7007. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-43)

DSC-44: Sources of Electronic Parts

Supplier will ensure compliance with DFAR 252.246-7008. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-44)

DSC-45: Safeguarding Covered Defense Information and Cyber Incident Reporting

Supplier will ensure compliance with DFAR 252-204-7012. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-45)

DSC-46: Restriction on Certain Foreign Purchases

Supplier will ensure compliance with FAR 52.225-13. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-46)

DSC-47: Buy American

Supplies: Supplier will ensure compliance with FAR 52.225-1, DFARS 252.225-7001, and DFARS 252.225-7036. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-47)

DSC-48: Welding Requirements

The supplier and its sub-tier suppliers shall ensure they are approved by TSC for the process being performed. Supplier shall confirm approval status by submitting inquiries to AL-Disc-Quality@tsc.com. The supplier shall electron beam weld in accordance with SAE AMS-2680 or SAE AMS-2681 when specified in the technical data package. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-48)

DSC-48a: Welding Requirements

The supplier and its sub-tier suppliers shall comply with one of the following two conditions: a) Condition I (preferred by TSC) – Supplier is approved by NADCAP for the process being performed. The list of NADCAP approved suppliers can be found at www.eauditnet.com by creating an account. Select “Online QML” from the Resources list. Enter the appropriate supplier’s name and commodity(s) and select “Search.” B) Condition II – Supplier is approved by TSC for the process being performed. (Verify approval via AL-Disc-Quality@tsc.com.) Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-48a)

DSC-49: Brazing Requirements

The supplier and its sub-tier suppliers shall ensure they are approved by TSC for the process being performed. Supplier shall confirm approval status by submitting inquiries to AL-Disc-Quality@tsc.com. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-49)



DSC-49a: Brazing Requirements

The supplier and its sub-tier suppliers shall comply with one of the following two conditions: a) Condition I (preferred by TSC) – Supplier is approved by NADCAP for the process being performed. The list of NADCAP approved suppliers can be found at www.eauditnet.com by creating an account. Select “Online QML” from the Resources list. Enter the appropriate supplier’s name and commodity(s) and select “Search.” B) Condition II – Supplier is approved by TSC for the process being performed. (Verify approval via AL-Disc-Quality@tsc.com.) Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-49a)

DSC-50: Heat Treating Requirements

The supplier and its sub-tier suppliers shall comply with one of the following two conditions: a) Condition I (preferred by TSC) – Supplier is approved by NADCAP for the process being performed. The list of NADCAP approved suppliers can be found at www.eauditnet.com by creating an account. Select “Online QML” from the Resources list. Enter the appropriate supplier’s name and commodity(s) and select “Search.” b) Condition II – Supplier is approved by TSC for the process being performed. Supplier shall confirm approval status for specific special processes by submitting inquiries to AL-Disc-Quality@tsc.com. This requirement does not apply to heat treatment processing that is controlled by a product specification such as material specification for raw stock in whatever form, fasteners, extrusions, castings, forgings, etc. Examples include the following:

- Aluminum Plate: 6061-T651, ASTM B209 OR SAE-AMS-4027
- Aluminum Casting: A356-T6, SAE-AMS-A-21180 OR SAE-AMS-4218
- Aluminum Forging: 2014-T6, SAE-AMS-A-22771

This Quality Note does not apply to thermal forming operations. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-50)

DSC-51: Plating, Surface Finishes and Conditioning Requirements

The supplier and its sub-tier suppliers shall comply with one of the following two conditions: a) Condition I (preferred by TSC) – Supplier is approved by NADCAP for the process being performed. The list of NADCAP approved suppliers can be found at www.eauditnet.com by creating an account. Select “Online QML” from the Resources list. Enter the appropriate supplier’s name and commodity(s) and select “Search.” b) Condition II – Supplier is approved by TSC for the process being performed. Supplier shall confirm approval status for specific special processes by submitting inquiries to AL-Disc-Quality@tsc.com. Piece parts, components and/or assemblies that are manufactured in accordance with (or manufactured to meet the requirements of) a Military, Federal or Commercial Specification Part Number are exempt from the requirements of this document. Examples include JANTX, M39014, MS15795, NAS, RNR, MIL-PRF-39012, etc. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-51)

DSC-52: Paint Requirements

The supplier and its sub-tier suppliers shall ensure they are approved by TSC for the process being performed. Supplier shall confirm approval status by submitting inquiries to AL-Disc-Quality@tsc.com.



Quality@tsc.com. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-52)

DSC-53: Documentation – Revision and Configuration Control

- 1) The supplier shall ensure they have the drawing that matches the revision noted on the Purchase Order.
- 2) The supplier shall ensure they have the drawings that match the revisions in effect if an item on the Purchase Order is controlled by a drawing that lists or references a Parts List (PL).
- 3) The supplier shall not accept changes via verbal or email direction.
- 4) Any revision changes shall be approved and documented on the Purchase Order.
- 5) If an item on the Purchase Order invokes a military specification, military standard, or other revision controlled requirement document by reference, the revision in effect is as of the date of the Purchase Order. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-53)

DSC-54: Commercial Derivative Military Article

Specialty Metals Compliance Certificate: Supplier will ensure compliance with DFAR 252.225-7010. All specialty metals must have been smelted in the United States, its outlying areas, or a qualifying country listed in DFARS 252.225-7002. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-54)

DSC-55: Preference for Certain Domestic Commodities

Supplier will ensure compliance with DFAR 252.225-7012. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-55)

DSC-56: X-Ray Florescence (XRF)

Supplier shall provide XRF results with nickel or gold plating to show evidence of plating thickness. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-56)

DSC-57: Supplier Contribution

Supplier is responsible for providing conforming products and/or services regardless of any outsourcing or involvement of sub-tier suppliers at any point in the supply chain. As such, the supplier shall establish and maintain a quality management system that includes practices that promote and ensure personnel and product safety. The supplier shall communicate to all employees, contractors, subcontractors, and other personnel within its organization to ensure awareness of personal/individual contribution to

- 1) product and/or service conformity and
- 2) product safety. Frequency of such communication shall be established as appropriate to the organization but shall occur annually at a minimum.

Records of this communication shall be maintained. The supplier shall ensure all personnel within its organization are aware of the importance of ethical behavior. (DSC-57)



DSC-58: Limitations on use or Disclosure of Third-Party Contractor Reported Cyber Incident Information

Supplier will ensure compliance with DFARS 252.204-7009. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-58)

DSC-59: Soldering Requirements

Supplier shall ensure the following: 1. Soldered devices shall comply with the requirements of the latest released version of IPC J-STD-001 Class 3, and as modified in requirement 2.1 and 3, unless otherwise specified on the TSC purchase order. 2. Solder alloys Sn60Pb40, Sn62Pb36Ag2, and Sn63Pb37, shall be in accordance with J-STD-006. 2.1. Solder alloys other than Sn60Pb40, Sn62Pb36Ag2, and Sn63Pb37 shall not be used for electrical and electronic assembly soldering unless otherwise specified on the TSC approved drawing or TSC purchase order. 3. 100% X-Ray inspection shall be performed on Ball Grid Arrays (BGAs), Bottom Terminated Components (BTCs), Solder Charged Terminations and components with Bottom Thermal Plane Terminations (D-Paks) unless these device package styles are part of a documented process control plan approved by TSC. 3.1. Additionally, for other components with partially visible or hidden solder connections, a documented process control plan verifying conformance/compliance for these "other components" shall be communicated to and approved by TSC. 3.2. Prior to beginning manufacturing, the supplier shall perform a complete review of the soldered devices and identify each component requiring x-ray in compliance with number 3 and 3.1. Components requiring x-ray, identified by the supplier, should be communicated with TSC for concurrence. 3.3. The supplier shall maintain auditable records of required x-ray results of accepted product, traceable to the applicable purchase order, process router, work instruction, or equivalent for each deliverable item. These records shall be maintained and available for TSC review prior to acceptance and/or receipt of shipment, or as otherwise specified on the TSC purchase order. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-59)

DSC-60: Qualification Test Plan and Report

The supplier shall generate a Qualification Test Plan (QTP) and a Qualification Test Report (QTR) and submit for TSC approval. The Qualification Test Plan (QTP) shall be approved prior to the start of Qualification. The Qualification Test Report (QTR) shall be approved prior to the start of Production. The supplier shall verify that all testing, data and inspections meet the technical data package and applicable MIL specs, and shall reference all supporting documents in the Qualification Test documentation. The supplier shall not ship material without a TSC approved QTP and QTR. The supplier shall not make any changes to plant arrangement, location, materials, procedures, processes or design after initial qualification without TSC's approval. The supplier shall notify TSC in the event of a failure during qualification testing. The supplier shall maintain a copy of the approved QTP and QTR and qualification coupon(s) per record traceability flow down. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-60)

DSC-61: UID Label Requirements

Supplier shall ensure that hardware supplied against this purchase order shall comply with the requirements of DFAR 252.211-7003. Each part shall be marked with a UID label using Construct #2, Format 06, in accordance with MIL-STD-130 with designations 17V, 1P, and S for cage code, part number and serial number respectively and ECC 200 redundancy level. The data matrix bar



code shall comply with ISO 15418 (Quality) and ISO 15434 (Syntax). This format is also known as UID2 PN, issuing agency “D” or Construct #2 S/N format 06 (DI). Unless otherwise specified, the supplier’s cage code and serial number shall be used along with the part number specified on the purchase order to ensure that the 3 component number is unique and not duplicated. The location for each UID label marking shall be in accordance with the associated drawing. Should the associated drawing not specify where to apply the UID label, the location shall be in accordance with MIL-STD-130. Materials shall be in accordance with H404328. UID symbols shall be verified per MIL-STD-130 MRI (machine readable information) quality standards for DataMatrix symbols. The supplier shall be responsible for validation of each UID label and archive the associated validation record for a minimum of five years. The supplier shall submit a sample UID marking and corresponding verification report for a first article inspection prior to shipment of the first marked item, to the Buyer. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-61)

DSC-62: Part Marking Requirements

Supplier shall mark parts, subassemblies, or assemblies with the part number, part number revision level, serial number, and manufacturer cage code, as applicable. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-62)

DSC-63: Inspection and Test Data Requirements

The supplier shall generate test and inspection data demonstrating compliance to the requirements specified in the drawing or purchase order. The supplier shall ensure that all test and inspection data clearly demonstrates compliance to TSC drawing parameters. If computer generated data is created then the supplier shall generate an interpreter instruction package tracing the supplier’s test or sequence number to the TSC drawing parameters. The supplier’s test and inspection data shall include, at a minimum, the following:

- a) Original manufacturer's name
- b) TSC purchase order number
- c) Part number and revision
- d) Test/inspection results, conditions, and parameters
- e) Computer test interpretation, as applicable.
- f) Quantity of parts tested
- g) Serial number(s), lot/batch/heat number(s) or date code(s) where applicable
- h) Date of test/inspection
- i) Authorized agent's name and position, or acceptance stamp, and date (electronic signature is acceptable).

The supplier shall provide a copy of the test and inspection data with each shipment. The supplier shall maintain a copy of all test and inspection data, made available for TSC review, per the traceability record retention requirement. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-63)



DSC-64: Supplier Process Change Control (COTS)

Supplier shall notify Buyer of changes to form, fit and/or function that may affect end item performance of Commercial-Off-The-Shelf (COTS) items purchased within the last 24 months of the change date. Supplier shall provide notification via a Product change Notice (PCN) or some other communication method. These notifications shall be submitted to TSC's Procurement Representative as the supplier becomes aware. Supplier shall also notify TSC of any changes that may affect the performance of the hardware. Supplier shall notify TSC within two (2) business days if/when supplier becomes aware or reasonably suspects that any product, including COTS items, is or contains a component that is subject to a recall notice, warning alert, Government Industry Data Exchange Program (GIDEP) alert, and/or any other type of notification or concern regarding product authenticity, quality, safety, process integrity, and/or specification compliance. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-64)

DSC-65: Certificate(s) of Calibration

A certificate of calibration shall be supplied for each test, diagnostic, or measurement item requiring calibration. A certificate of calibration shall be supplied with each shipment and shall contain all test parameters necessary to demonstrate conformance to the manufacturer's specifications. Supplier shall ensure calibration services are performed in accordance with one of the following: 1. ANSI/NCCL.Z540 2. ISO/IEC 17025 Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-65)

DSC-66: Silkscreen/Ink-Based Part-Marking

Supplier shall ensure the following:

1. Part(s) to be marked shall be cleaned immediately prior to ink application to ensure that any debris, oxidation of plating, or hand oils acquired in handling do not interfere with silkscreen/part-marking.
2. Recommended cure temperature/cure time per the manufacturer of the ink shall be followed. Supplier shall not ship product until ink manufacturer full cure time is completed.
3. After silkscreen/part-marking, supplier shall perform the following:
 - a) Tape test, in accordance with IPC-A-610DC, to ensure the surface was properly prepared prior to application of the silkscreen.
 - b) Solvent test (with cotton swab dampened with 99% pure isopropyl alcohol) to ensure the proper curing time and temperatures were adhered to during the silkscreen/part-marking process. (Wipe swab across the surface of the part marking in one back-and-forth cycle using normal hand pressure.) Upon request, supplier shall provide tape and solvent test processes used.
4. Certificates of conformance shall be provided for materials used for silkscreen/part-marking process (i.e. ink, catalyst, etc.)

NOTE: TSC will perform tape and solvent tests during incoming inspection to verify proper adhesion. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-66)



DSC-67: Restriction on the Acquisition of Certain Magnets and Tungsten

Supplier shall ensure compliance with DFARS 252.225-7052. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-67)

DSC-68: Requirements for Rework, Replacement, or Repair

Components, parts, assemblies, or materials being returned to TSC after rework, repair, or replacement shall be clearly identified as reworked, repaired, or replacement items on the shipping documentation. Supplier shall include an RMA report in the return shipment of components, parts, assemblies, or materials being returned to TSC. Information included in the RMA report shall include, as applicable, the following:

- Purchase order number,
- Date,
- Part Number,
- Revision,
- Serial Number,
- RMA number,
- Rework or repair actions performed, including the following:
 - Rework included removal and installation of part numbers: (please list)
 - Repair performed to listed part numbers per specifications: (please list)
- Engineering Change Orders (ECOs), Engineering Change Notifications (ECNs), or Product Change Notifications (PCNs) that were implemented,
- Indication if the returned parts were scrapped and replaced with qualified and compliant items,
- Indication if the returned parts were tested after rework, repair or replacement,
- A new Certificate of Conformance (in accordance with DSC-01/DSC-01a) for the reworked, repaired or replaced items.

Please note: Supplier must ensure authorization to perform repairs. If DSC-27, Material Review Authority, is included on this purchase order, supplier is NOT authorized to perform repairs. Suppliers may verify authorization to perform repairs via al-disc-quality@tsc.com. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-68)

DSC-69: Representation Regarding Certain Telecommunications and Video Surveillance Services or Equipment

Supplier shall ensure compliance with FAR 52.204-24. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-69)

DSC-70: Conformal Coating Thickness Verification

Supplier shall provide with each order a thickness report that provides evidence that the thickness of the conformal coating of each assembly or subassembly meets specified requirements, which may be verified independently or by TSC. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-70)



DSC-71: Combatting Trafficking in Persons

Supplier shall ensure compliance with FAR 52.222-50. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-71)

DSC-72: Resistivity of Solvent Extract

Supplier shall perform Resistivity of Solvent Extract (ROSE) testing prior to application of conformal coating or if not conformal coated, prior to delivery to TSC. Documentation of ROSE testing results shall be maintained by supplier for duration of specified record retention period and be available to TSC upon request. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-72)

DSC-73: Acknowledgment of Sponsorship

The Seller agrees that no release of information relating to this Purchase Order will be made without prior approval from Buyer, which shall not be unreasonably withheld by Buyer. For the purpose of this clause, "information" includes but is not limited to, news releases, articles, manuscripts, brochures, advertisements, still and motion pictures, speeches, trade association meetings, symposia, etc. Request for release of information shall be sent ninety (90) days prior to the requested release date, and sent to contract@tsc.com for review and approval. The Seller further agrees to include this clause in any subcontract awarded as a result of this contract. (DSC-73)

DSC-74: Inactive

DSC-75: Unenforceability of Unauthorized Obligations

Supplier shall ensure compliance with FAR 52.232-39. Supplier shall flow down these requirements to applicable lower-tier suppliers (DSC-75)

DSC-76: Providing Accelerated Payments to Small Business Subcontractors

Supplier shall ensure compliance with FAR 52.232-40. Supplier shall flow down these requirements to applicable lower-tier suppliers (DSC-76)

DSC-77: Requirements Relating to Compensation of Former DoD Officials

Supplier shall ensure compliance with DFARS 252.203-7000. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-77)

DSC-78: Requirement to Inform Employees of Whistleblower Rights

Supplier shall ensure compliance with DFARS 252.203-7002. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-78)

DSC-79: Control of Government Personnel Work Product

Supplier shall ensure compliance with DFARS 252.204-7003. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-79)

DSC-80: Notice of Authorized Disclosure of Information for Litigation Support

Supplier shall ensure compliance with DFARS 252.204-7015. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-80)



[DSC-81: Prohibition on the Acquisition of Covered Defense Telecommunications Equipment or Services](#)

Supplier shall ensure compliance with DFARS 252.204-7018. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-81)

[DSC-82: Levies on Contract Payments](#)

Supplier shall ensure compliance with DFARS 252.232-7010. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-82)

[DSC-83: Pricing of Contract Modifications](#)

When costs are a factor in any price adjustment under this contract, the contract cost principles and procedures in FAR Part 31 and DFARS Part 231, in effect on the date of this contract, apply. (DSC-83)

[DSC-84: Subcontracts for Commercial Items](#)

Supplier shall ensure compliance with DFARS 252.244-7000. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-84)

[DSC-85: Environmental, Health, and Safety Management System](#)

Supplier acknowledges and accepts full and sole responsibility for maintaining an environmental, health, and safety management system (EMS) appropriate for its business. Supplier's EMS shall promote health and safety, environmental stewardship, and pollution prevention by appropriate source reduction strategies. Seller shall not deliver any items that contain asbestos mineral fibers. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-85)

[DSC-86: Prohibition on Contracting for Hardware, Software, & Services Developed by Kaspersky Lab and Other Covered Entities](#)

Supplier shall ensure compliance with FAR 52.204-23. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-86)

[DSC-87: Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment](#)

Supplier shall ensure compliance with FAR 52.204-25. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-87)

[DSC-88: NIST SP 800-171 DoD Assessment Requirements](#)

Supplier shall ensure compliance with DFARS 252.204-7020. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-88)

[DSC-89: Minimum Wages Under Executive Order 13658](#)

Supplier shall ensure compliance with FAR 52.222-55. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-89)

[DSC-90: Preference for Privately Owned US Flag Commercial Vessels](#)

Supplier shall ensure compliance with FAR 52.247-64. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-90)



DSC-91: Notification of Potential Safety Issues

Supplier shall ensure compliance with DFARS 252.246-7003. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-91)

DSC-92: Replacement of Obsolete Standards and Specifications

When Military Specifications, Standards, Handbooks or other referenced specifications and standards specified on TSC Drawings or Documents, the Supplier shall contact the TSC Buyer of record and request identification of specification or standards to be used in performance of this order (DSC-92)

DSC-93: Virus and Malware Avoidance

The supplier shall maintain a malware management process to prevent malware, defined as viruses, malicious code, Trojan horse, worm, time bomb, self-help code, back door, or other software code or routine designed to:

- (i) damage, destroy or alter any software or hardware;
- (ii) reveal, damage, destroy, or alter any data;
- (iii) disable any computer program automatically; or
- (iv) permit unauthorized access to any software or hardware.

The supplier shall maintain a malware management process for the underlying manufacturing information systems used in building the electronic assembly. This process shall consist of continuously monitoring the manufacturing information systems to ensure absence of malware, using up-to-date commercially available anti-virus software. The supplier shall maintain evidence of the continuous monitoring (include name/version of the anti-virus software, and scanning machine name/serial number). For deliverable assemblies that are running commercially available operating systems (e.g., Windows, Linux, Mac), the supplier shall implement a process of scanning these assemblies to ensure that they are free of malware, using up-to-date commercially available anti-virus software. The supplier shall maintain evidence of the scan occurrences (include date of scan, assembly part number, etc.). The supplier shall immediately notify TSC if the supplier suspects or becomes aware that assemblies delivered in accordance with this purchase order contain malware or malicious code. Supplier shall flow down these requirements to applicable lower-tier suppliers. (DSC-93)

DSC-94: Component Date Code

Component parts shall be procured and enter a controlled process (storage or utilization) at a point less than 5 years from their identified manufacturing date code. This requirement applies to contract manufacturers and TSC provided components. A controlled process shall include storage in a controlled environment appropriate to the components Moisture Sensitivity Level (MSL) and stated storage specification of the component. Controlled process includes manufacturing or SMT assembly within a controlled process. (DSC-94)