

Stellant Systems Quality Clause Codes

Code	Description
Q101 03/10/2021	<p>Seller's Quality Requirements per ISO 9001 – Seller shall maintain a quality management system that complies with ISO 9001 or AS9100 and all provisions identified in Q104. Buyer reserves the right to conduct surveillance at Seller's facility to determine whether Seller's quality management system meets the requirements of this clause. A copy of ISO 9001 can be obtained from the International Organization for Standardization at the following URL address: http://www.iso.org/.</p> <ul style="list-style-type: none"> • Seller shall provide a certificate, report of test, or data sheet certifying the date, accuracy of standards used, and the environmental conditions under which the results furnished were obtained for each item calibrated under this purchase order/contract when requested by buyer. • Seller shall notify Buyer in writing of any change to the manufacturing facility location, the ownership, the company's name, or the updated approval/suspension status of the quality system from a 3rd Party Registrar • Seller shall have a documented internal system or process that includes provisions to identify, segregate, and control nonconforming material to ensure the seller does not ship nonconforming material to Stellant Systems <ul style="list-style-type: none"> ▪ Seller is authorized to make the following dispositions: <ol style="list-style-type: none"> 1. Rework to product requirements 2. Scrap 3. Return to vendor - Seller is not authorized to make the following dispositions <ol style="list-style-type: none"> 1. Use as is (UAI) 2. Repair - If the seller determines that a UAI or Repair disposition is needed, the seller shall contact the Stellant Systems Buyer for an Authorization. Authorization must be in writing in on a Stellant Systems deviation form. • Upon completion of the purchase order/contract, procurement data and records, including manufacturing/inspection/test records, shall be retained for 20 years. • Ensure that persons are aware of: <ul style="list-style-type: none"> • Product or service conformity e.g., individual accountability, requirements, process controls, reporting nonconformance. • Product safety e.g., attention to detail, safety alerts, promoting a safe culture. • Importance of ethical behavior e.g., code of conduct, working relationships, fair treatment, no blame culture <p>Stellant Systems is committed to ensure that its suppliers achieve product or service conformity and product safety. Stellant Systems is committed to ethical behavior and expects all its suppliers to conduct themselves in an ethical manner.</p> <p>Unless otherwise specified on Stellant Systems drawing or purchase order, the latest revision of the process specification at the time of purchase order placement shall apply.</p>

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<p>Q104 03/10/2021</p>	<p>Seller's Quality Control Requirements – Seller shall maintain documented quality controls that ensure the conformance of products provided under this purchase order/contract whether manufactured or processed by Seller or procured from subcontractors or vendors. The Seller is responsible for performing or assuring all inspections, tests, and calibrations necessary to substantiate that the products or services furnished under this purchase order/contract conform to all requirements:</p> <ul style="list-style-type: none"> • If Seller is a Distributor, then the original manufacturer's name and location (city and state) shall be identified within Seller's shipping documentation. All military specification parts shall be procured from Qualified Manufacturers List or Qualified Products List (QML/QPL) sources. Seller shall identify received parts/materials and maintain traceability to the original manufacturer's part number, lot number and date code of all electronic and electrical parts, raw material and mechanical parts. • Seller shall notify Buyer in writing of any change to the manufacturing facility location, the ownership, the company's name, • Records of conformance shall be maintained on file at the seller's facility and made available or provided for review by Buyer upon request. • Upon completion of the purchase order/contract, procurement data and records, including manufacturing/inspection/test records, shall be retained per PO requirements. If no retention is listed the following applies: <ul style="list-style-type: none"> • Space records to be retained 20 years • Non-Space records to be retained 7 years • Records that have reached the retention limits the Seller will contact the buyer for disposal instructions. • Seller shall maintain an approved listing of suppliers and Seller certifies that all materials/parts furnished to Buyer are from the original manufacturer or an authorized distributor. • Seller shall maintain necessary procurement controls, receiving inspection controls, and an effective corrective action system. Seller shall maintain controls over nonconforming products including the identification and segregation of defective material. Seller shall provide for and maintain adequate control, identification, and segregation of parts/materials. • Seller shall have a documented internal system or process that includes provisions to identify, segregate, and control nonconforming material to ensure the seller does not ship nonconforming material to Stellant Systems <ul style="list-style-type: none"> ▪ Seller is authorized to make the following dispositions: <ol style="list-style-type: none"> 1. Rework to product requirements 2. Scrap 3. Return to vendor - Seller is not authorized to make the following dispositions <ol style="list-style-type: none"> 1. Use as is (UAI) 2. Repair - If the seller determines that a UAI or Repair disposition is needed, the seller shall contact the Stellant Systems Buyer for an Authorization. Authorization must be in writing in on a Stellant Systems deviation form.

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	<ul style="list-style-type: none"> • Seller shall provide a certificate, report of test, or data sheet certifying the date, accuracy of standards used, and the environmental conditions under which the results furnished were obtained for each item calibrated under this purchase order/contract when requested by buyer. • Seller shall provide for the proper handling, packaging (including ESD precautions when applicable) and shipment control of products submitted under this purchase order/contract. • If there is a lapse in production of a part or discontinuation of a manufacturing process for two years or more, seller shall perform and document first-piece inspection. • Buyer reserves the right to conduct surveillance at Seller's facility to determine whether Seller's quality controls meet the requirements of this clause. • Ensure that persons are aware of: <ul style="list-style-type: none"> • Product or service conformity e.g., individual accountability, requirements, process controls, reporting nonconformance. • Product safety e.g., attention to detail, safety alerts, promoting a safe culture. • Importance of ethical behavior e.g., code of conduct, working relationships, fair treatment, no blame culture <p>Stellant Systems is committed to ensure that its suppliers achieve product or service conformity and product safety. Stellant Systems is committed to ethical behavior and expects all its suppliers to conduct themselves in an ethical manner.</p> <p>Unless otherwise specified on Stellant Systems drawing or purchase order, the latest revision of the process specification at the time of purchase order placement shall apply.</p>
Q105 2/20/2017	<p><u>Seller shall maintain a calibration system in compliance with ANSI/NCSL Z540-1, ISO 17025, or ISO 10012 or as otherwise specified in this purchase order/contract.</u></p> <p>Seller shall provide a certificate, report of test, or data sheet certifying the date, accuracy of standards used, and the environmental conditions under which the results furnished were obtained for each item calibrated under this purchase order/contract. Seller's certificate/report shall specify any conditions not otherwise compliant to the Seller's calibration system requirements.</p>
Q201 2/20/2017	<p><u>Buyer's Pre-cap and Final Source Verification</u> - Products ordered under this purchase order/contract are subject to source verification by Buyer's quality representative at seller's facility. Verification points shall be at "Pre-cap" which shall be considered prior to installation of lid or covering of the unit and at "Final" which shall be considered prior to packaging for shipment or as otherwise indicated on this purchase order/contract. Seller shall notify Buyer's quality representative of readiness for source verification, DANNY.W.HARRIS@STELLANTSYSTEMS.COM (310-517-6009) and KEN.WONG@STELLANTSYSTEMS.COM (310-517-5368), at least <u>five (5) working days in advance of the required source activity.</u></p> <ul style="list-style-type: none"> • Once the Seller notifies and confirms verification schedule, the Seller is responsible for additional notification of events that may affect the scheduled verification. Each shipment against this purchase order/contract shall include copies (Pre-Cap/Final) of the QASR's when furnished by the Buyer's quality representative.

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	<ul style="list-style-type: none"> The <u>verifications provided herein shall not constitute final acceptance of the items</u> and shall not modify or limit any representations, warranties, or commitments made elsewhere or in any way affect the obligations of the seller to perform strictly in accordance with the provisions of the purchase order/contract.
Q202 2/20/2017	<p><u>Buyer's Final Source Verification</u> - Products ordered under this purchase order/contract are subject to source verification by Buyer's quality representative at seller's facility. Verification shall be at "Final" which shall be considered prior to packaging for shipment or as otherwise indicated on this purchase order/contract. Seller shall notify Buyer's quality representative of readiness for source verification, DANNY.W.HARRIS@STELLANTSYSTEMS.COM (310-517-6009) and KEN.WONG@STELLANTSYSTEMS.COM (310-517-5368), at least <u>five (5) working days in advance of the required source activity.</u></p> <ul style="list-style-type: none"> Once the Seller notifies and confirms verification schedule, the Seller is responsible for additional notification of events that may affect the scheduled verification. Each shipment against this purchase order/contract shall include a copy of the QASR when furnished by the Buyer's quality representative. The <u>verification provided herein shall not constitute final acceptance of the items</u> and shall not modify or limit any representations, warranties, or commitments made elsewhere or in any way affect the obligations of the seller to perform strictly in accordance with the provisions of the purchase order/contract.
Q203 2/20/2017	<p><u>Buyer's Pre-cap Source Verification</u> - Products ordered under this purchase order/contract are subject to source verification by Buyer's quality representative at seller's facility. Verification shall be at "Pre-cap" which shall be considered prior to installation of lid or covering of the unit or as otherwise indicated on this purchase order/contract. Seller shall notify Buyer's quality representative of readiness for source verification, , DANNY.W.HARRIS@STELLANTSYSTEMS.COM (310-517-6009) and KEN.WONG@STELLANTSYSTEMS.COM (310-517-5368), at <u>least five (5) working days in advance of the required source activity.</u></p> <ul style="list-style-type: none"> Once the Seller notifies and confirms verification schedule, the Seller is responsible for additional notification of events that may affect the scheduled verification. Each shipment against this purchase order/contract shall include a copy of the QASR when furnished by the Buyer's quality representative. The <u>verification provided herein shall not constitute final acceptance of the items</u> and shall not modify or limit any representations, warranties, or commitments made elsewhere or in any way affect the obligations of the seller to perform strictly in accordance with the provisions of the purchase order/contract.
Q206 6/6/2017	<p><u>Seller shall perform First Article Inspection (FAI) in accordance with AS9102, Aerospace First Article Inspection Requirement.</u></p> <p>Buyer reserves the right to conduct surveillance of the Seller's FAI and may include in-process inspections to be accomplished during performance of the Seller's FAI. When surveillance of the FAI is required, Seller will be notified by Stellant Systems Supplier Quality. Seller</p>

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	<p>shall coordinate and schedule FAI activity with the Buyers Supplier Quality Representative (SQR) and Supply Chain Representative prior to start of related procurement, manufacturing and or processing.</p> <p>In the event the Buyer's Supplier Quality Representative is to participate in the Seller's FAI, supplier shall make the following available to the Stellant Systems SQR:</p> <ul style="list-style-type: none"> • Applicable purchase document • Material/process certifications • Inspection records and inspection plans (to include item features, specifications, measurement results, measurement equipment used and calibration status) • Applicable Design Data • Applicable acceptance and qualification test results <p>Seller will deliver with the initial shipment of the FAI item a copy of the First Article Inspection Report (FAIR) When a partial or re-accomplished FAI is performed as required by AS9102, Seller will deliver a copy of the FAIR with the shipment of the FAI item.</p> <p>Deliverable Report: When documenting the FAI, the Seller may use the forms contained within AS9102 or their equivalent, so long as the forms contain all the information required by AS9102.</p>
Q301 2/20/2017	<p><u>Inspection Results</u> - Seller shall provide objective evidence, with each shipment, that the deliverable item conforms dimensionally to the PO requirements.</p> <p>Objective evidence records shall at minimum include:</p> <ul style="list-style-type: none"> • Buyer contract number • Part number and Revision • Serial number(s) and /or lot numbers as required • Required dimensions and associated tolerances • Actual dimensions recorded during inspection • Signature/ Stamp and date of Management / Quality personnel performing the inspection
Q302 3/1/2005	<p><u>Acceptance Test Results</u> - Seller shall include with each shipment a copy of the results of the lot or item acceptance tests required by the applicable specification. The report shall include the principal specifications, including revision numbers or letters, which govern the production of the item. Where quantitative limits are established by the specification, the report shall indicate the actual values obtained during testing. Test reports shall include the control identity (e.g., lot, heat lot, serial number) of the material or item tested. If Seller is not the original manufacturer, Seller shall furnish the manufacturer's test report as described above.</p>

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Q303 9/30/2019	<p><u>Soldered devices shall comply with the requirements of the latest revision of IPC J-STD-001 w/AM1 unless otherwise specified on the Stellant Systems Purchase Order.</u></p> <ul style="list-style-type: none"> • COTS (commercial-of-the-shelf) items are exempt except for as noted in J-STD-001 w/AM1 section 1.9 (Requirements Flow down) • When the Space Addendum to J-STD-001 is required by Stellant Systems approved drawing, Purchase Order or equivalent, the Space Addendum document shall be used in conjunction with the base document (J-STD-001F w/AM1). • Prior to beginning manufacturing, the supplier should perform a complete review of the soldered devices and identify each component requiring X-Ray. Components requiring X-Ray, identified including any visually un-inspectable solder joints (e.g., BGA devices) should be identified for X-Ray verification. This listing of hidden joint devices shall be provided to Stellant Systems along with the suggested verification method for concurrence. <p>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 review prior to acceptance and/or receipt of shipment, or as otherwise specified on the Stellant Systems Purchase Order.</p>
Q304 2/2/2023	<p><u>Raw Materials Test Results</u> - Seller shall include with each shipment the raw material test report which states that a lot of material furnished has been tested, inspected, and found to be in compliance with the applicable material specification(s) and revision(s). The report may come from the following sources:</p> <ul style="list-style-type: none"> • Material Manufacturer Test Report (Mill Test Report) • Material Distributor Test Report • Test report from independent laboratory chosen by the manufacturer of product when material is not furnished by Stellant Systems. <p>Seller is responsible to ensure that material used to manufacture product supplied to Stellant Systems is traceable to the Raw Material supplier (i.e., Raw Material Lot number from Mill).</p> <p>Note: For Purchase orders from Torrance: Material utilized is to be procured from DFAR approved countries as stated in subsection 225.871-1. Material that was “melted or produced” in China, Russia, North Korea, or Iran is prohibited.</p> <p>If Seller supplies raw material that is converted from its original state (via forging, swaging, heat treating, etc.),</p> <ul style="list-style-type: none"> • Seller is <u>responsible to ensure performance of all physical tests where the manufacturing process has altered the material from its original properties.</u> • Data submitted must reflect the condition of the material as offered for delivery and is in addition to the Material Manufacturer Test Report. NOTE – this paragraph is applicable to raw material but is not applicable to machined piece parts. • For raw material suppliers, a mill test report that complies with requirements of Q304 and the requirements of Q307 (certificate of conformance) may be used as a single report to satisfy both Q304 and Q307 clauses. • <u>Q304 only applies for Supplier furnished material</u>

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Q306 2/20/2017	<p><u>Shelf Life and Storage Controls</u> - Seller shall label the limited shelf-life materials/parts specified in this purchase order/contract with the following minimum information:</p> <ul style="list-style-type: none"> • Manufacturer's Name • Government, Industry, or Buyer specification to which item is purchased including type and class. • Date of Manufacture or cure date • Batch number • Storage temperature <p>The materials/parts shipped under this purchase order/contract will arrive at the Buyer's facility with at least 75% of the specified shelf-life remaining.</p>
Q307 9/30/2019	<p><u>Certificate of Conformance</u> – Seller shall include with each shipment a Certificate of Conformance that states that the parts and materials used in the manufacture of the goods furnished under this purchase order/contract were tested, inspected, and found to be in conformance with the applicable parts and material specifications. The certificate shall include</p> <ul style="list-style-type: none"> • PO number, line number • Part number • Revision number or letter of the item being furnished • Quantity shipped <p>Certificate of Conformance (C of C) must be signed and dated by Quality Representative If the seller is an authorized or independent distributor, a Certificate of Conformance from the manufacturer shall be included.</p> <ul style="list-style-type: none"> • For Hi-Reliability electronic components, the Certificate of Conformance shall include the part number, lot date code (if applicable) including any suffix (s) that differentiate sub-lots, wafer/diffusion lot number (if applicable), revision number or letter of item being furnished, and buyer's purchase order/contract number. <p>Nondestructive Test (NDT) Certification - Seller shall include with each shipment a certificate that lists the NDT performed and must include the inspector's signature or stamp and NDT certification level.</p>
Q320 12/16/2013	<p><u>Counterfeit Parts Prevention</u> - Seller is hereby notified that the delivery of suspect/counterfeit parts is of special concern to Buyer. If suspect/counterfeit parts are furnished under this order or are found in any of the goods delivered hereunder, such items will be impounded by Buyer. The Seller shall promptly replace such suspect/counterfeit parts with parts acceptable to the Buyer and the Seller shall be liable for all costs relating to the removal and replacement of said parts. Buyer reserves all contractual rights and remedies to address grievances and detrimental impacts caused by suspect/counterfeit parts. To further mitigate the possibility of the inadvertent use of counterfeit parts, the Seller shall only purchase components and parts procured directly from the Original Component Manufacturer (OCM)/Original Equipment Manufacturer (OEMs), or through the OCM authorized distributor chain. Procurement through an Independent Distributor or Broker is NOT authorized, unless first approved in writing by Stellant Systems. Regardless of the source of procurement, Seller must provide OCM/OEM documentation that authenticates traceability of the components to the applicable OCM/OEM.</p>

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	<p>Seller shall have a documented process in place to segregate and contain the material and notify Stellant Systems once a suspect counterfeit part is identified for product being supplied to Stellant Systems.</p> <p>Seller shall flow down the same requirements described above to its sub-tier suppliers for products being supplied to Stellant Systems.</p>
<p>Q320A 10/22/2012</p>	<p>Exhibit A – Independent Distributor Purchase Order Clause for Active Components - Independent Distributor's procedures shall meet the requirements of IDEA-STD-1010 & SAE AS5553 and have a Quality Management System certified to AS9120:2002. The requirements of AS6081 shall be in effect upon industry release of this standard.</p> <p>The original manufacturers Certificate of Conformance (C of C) and all traceability documentation shall be included with each shipment of parts. It shall include the manufacturer's name, part number, date codes, lot codes, serializations, and / or any other batch identifications. Seller is to contact Buyer in the event that the original OEM/OCM C of C and traceability documentation is not available. All inspecting and testing shall be performed to the original manufacturer's specifications and parameters. Recorded evidence of all testing performed shall be included with each shipment.</p> <p>The following inspections and tests are required:</p> <ul style="list-style-type: none"> • Visual Microscopy Inspection of all parts in the order under 10X minimum magnification (100% of the lot) • X-Ray inspection (100% of the lot) • XRF/RoHS (2 parts per lot date code) • Resistance to Solvents testing (2 parts per lot date code) • Heated Solvent testing (Dynasolve Immersion) (2 parts per lot date code) • Scrape testing (2 parts per lot date code) • Solderability testing per IPC/EIA J-STD-002 (2 parts per lot date code) • De-lid, Die Penetrate, Die Verification (2 parts per lot date code) • Scanning Electron Microscopy (1 part per lot date code) <p>If suspect/counterfeit parts are furnished under this subcontract and are found in any of the goods delivered hereunder, such items will be impounded by Buyer. The Seller shall promptly replace such suspect/counterfeit parts with parts acceptable to the Buyer and the Seller shall be liable for all costs relating to the removal and replacement of said parts as specified in the subcontract requirements or Distributor's insurance policies. Buyer reserves all contractual rights and remedies to address grievances and detrimental impacts caused by suspect/counterfeit parts. All occurrences of Suspect Counterfeit and/or Counterfeit parts will be immediately reported to ERAI.</p>

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<p>Q320B 10/22/2012</p>	<p>Exhibit B – Independent Distributor Purchase Order Clause for Passive Components and Connectors - Independent Distributor's procedures shall meet the requirements of IDEA-STD-1010 & SAE AS5553 and have a Quality Management System certified to AS9120:2002. The requirements of AS6081 shall be in effect upon industry release of this standard.</p> <p>The original manufacturers Certificate of Conformance (C of C) and all traceability documentation shall be included with each shipment of parts. It shall include the manufacturer's name, part number, date codes, lot codes, serializations, and / or any other batch identifications. Seller is to contact Buyer in the event that the original OEM/OCM C of C and traceability documentation is not available. All inspecting and testing shall be performed to the original manufacturer's specifications and parameters. Recorded evidence of all testing performed shall be included with each shipment.</p> <p>The following inspections and tests are required:</p> <ul style="list-style-type: none"> • Applicable electrical testing (resistance, capacitance, continuity) for the devices procured (1% AQL Level II) • Visual Microscopy Inspection of all parts in the order under 10X minimum magnification (100% of the lot) • X-Ray inspection for non-glass diodes and tantalum capacitors (100% of the lot) • XRF/RoHS (2 parts per lot date code) • Resistance to Solvents testing (2 parts per lot date code) • Heated Solvent testing (Dynasolve Immersion) (2 parts per lot date code) • Scrape testing (2 parts per lot date code) • Solderability testing per IPC/EIA J-STD-002 (2 parts per lot date code) • Scanning Electron Microscopy for metal packaged parts only (1 part per lot date code) <p>If suspect/counterfeit parts are furnished under this subcontract and are found in any of the goods delivered hereunder, such items will be impounded by Buyer. The Seller shall promptly replace such suspect/counterfeit parts with parts acceptable to the Buyer and the Seller shall be liable for all costs relating to the removal and replacement of said parts as specified in the subcontract requirements or Distributor's insurance policies. Buyer reserves all contractual rights and remedies to address grievances and detrimental impacts caused by suspect/counterfeit parts. All occurrences of Suspect Counterfeit and/or Counterfeit parts will be immediately reported to ERAI.</p>
<p>Q320C 11/29/2012</p>	<p>Exhibit C – Purchase Order Clause for Subcontractors and Contract Manufacturers - Only new and authentic materials are to be used in products delivered to Buyer. No counterfeit or suspect counterfeit parts are to be contained within the delivered product. Parts shall be purchased directly from the OCMs/OEMs, or through the OCM/OEMs Franchised Distributor. Documentation must be available that authenticates traceability to the applicable OCM/OEM. Independent Distributors (Brokers) shall not be used without written consent from Buyer (Stellant Systems).</p> <p>Counterfeit – a part that is an illegal or unauthorized copy or substitute of an OEM item; an item that does not contain the proper external or internal materials or components required by the OEM or that is not constructed in accordance with OEM specification; an item or component</p>

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	<p>thereof that is used, refurbished or reclaimed but the Seller represents as being a new item; an item that has not successfully passed all OEM required testing, verification, screening and quality control but that Seller represents as having met or passed such requirements; or an item with a label or other marking intended, or reasonably likely, to mislead a reasonable person into believing a non-OEM item is a genuine OEM item when it is not. Parts that have been modified pursuant to a specific Stellant Systems purchase order requirement, such as refinished, up-screened, or up-rated parts that are properly identified as such are not considered suspect or counterfeit.</p> <p>Suspect Counterfeit – A part in which there is an indication by visual inspection, testing, or other information that it may have been misrepresented by the supplier or manufacturer and may meet the definition of a counterfeit part.</p> <p>OCM – Original component manufacturer OEM – Original equipment manufacturer</p> <p>Franchise Distributor – A distributor with whom the OCM has a contractual agreement to buy, stock, re-package, sell and distribute its product lines. Franchised distributors normally offer the product for sale with full manufacturer’s warranty. Franchising contracts may include clauses that provide for the OCM's marketing and technical support, failure analysis and corrective action, and exclusivity of inventory.</p> <p>Independent Distributor (Broker) – A distributor that purchases parts with the intention to resell them. Independent Distributors may be franchised for selected, but not all, product lines. For purposes of counterfeit risk mitigation, a distributor is considered independent when not franchised for the item to be procured</p>
<p>Q404 2/20/2017</p>	<p>Electrostatic Discharge (ESD) Packaging - Devices purchased on this contract are susceptible to damage or degradation from application of electrostatic discharges and shall be packaged in the following manner:</p> <p>a) Printed circuit board assemblies shall be labeled with an ESD caution label and shall be wrapped or cushioned in a manner to prevent pins from penetrating the static shielding bag. Connectors are to be capped with conductive caps or protected by equivalent ESD protection.</p> <p>b) Dual inline packaged (DIP) devices packaged in rails shall be restrained from sliding back and forth (1-inch maximum travel). DIP devices contained in anti-static rails need to be placed in a static shielding bag. DIP devices not contained in rails shall have the leads shorted in conductive non-corrosive foam or other conductive material and placed inside a static shielding bag. Packaging shall be a maximum of 50 pieces per bag or rail.</p> <p>c) Axial lead devices such as resistors, diodes, etc., may be shipped without having their leads shorted. These devices shall be packed in a static shielding bag.</p> <p>d) Except as noted above, electronic devices shall be packaged in static-shielding bags labeled with an ESD caution label.</p> <p>Static-shielding bags shall meet the requirements of one of the following:</p> <ul style="list-style-type: none"> • ANSI/ESD-STM11.31 -- less than 50 Nano Joules

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	<ul style="list-style-type: none"> EIA-541 Probe Electrostatic Shielding Property Test – Test voltage of 1000 volts input will have <30 volts peak sensed by the probe <p>NOTE: MIL-PRF-81705, Type I or III films are acceptable static shielding materials. Pink antistatic dissipative materials (e.g., MIL-PRF-81705, Type II) shall not be used as packaging material in intimate contact with ESDS devices. Non-conductive or static generating wrapping or cushioning material is unacceptable. All primary and intermediate packages as well as all shipping containers shall be clearly labeled with an ESD caution label. Electrostatic sensitive devices not shipped in accordance with this condition shall be considered nonconforming goods and subject to all applicable remedies as set forth elsewhere in this contract.</p> <ul style="list-style-type: none"> The purchase order/contract requires the Seller to maintain a documented Electrostatic Discharge (ESD) protection program. Unless ESD control requirements are specified elsewhere in this subcontract, Seller shall maintain a documented ESD protection program which meets the control program element requirements 5.1, 5.3, 5.4, 5.5, 5.6, and 5.9 of MIL-STD-1686C, including documented employee training.
Q452 2/20/2017	<p><u>Stellant Systems Prohibited Materials</u> – The use of any materials listed herein is expressly prohibited. Any exception to these prohibitions must be approved in advance by buyer in writing. The seller shall ensure that all flow-down clauses are included in each lower tier subcontract with Seller’s suppliers.</p> <ul style="list-style-type: none"> Pure, unalloyed tin or alloys containing greater than 97% by weight tin in the construction and surface finish of hardware. Cadmium or zinc in the construction and surface of space hardware [cadmium alloys or zinc alloys (e.g., brass)]. Pure, unalloyed cadmium or alloys containing 5 percent by weight or greater cadmium not completely over-plated by an approved material. Pure, unalloyed zinc or alloys containing 10 percent by weight or greater Zinc not completely over-plated by an approved material. Pink Polyethylene material is prohibited from use in any form (e.g., bags, bubble, wraps, trays, bottles, foam, connector caps, etc.) on all products delivered to the buyer. <p>Supplier shall provide objective evidence (such as Certificate of Analysis and/or test data) that the requirements of this Quality clause are met. Verification records shall be retained by Seller and made available for review to Buyer or authorized Buyer’s representatives when required</p>
Q454 03/10/2021	<p><u>Control of Changes</u> - Seller shall notify Buyer in writing prior to implementation of changes to manufacturing site, materials, design details, or baselined manufacturing/test processes that would affect the part or any component part thereof. Upon approval of the change by Buyer, First Article Inspection (full or partial) shall be performed by Seller in accordance with Q206 clause, unless specifically waived by Buyer in writing.</p> <p>Control of Changes – Seller shall notify buyer in writing prior to implementation of changes to:</p>

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	<ul style="list-style-type: none"> • Manufacturing site • Materials • Design details • Baselined manufacturing /test processes <p>That would affect the part or any component part thereof. Upon written approval of the change by Buyer, First Article Inspection (FAI) [full or partial] shall be performed by Seller in accordance with Q206 clause, unless specifically waived by Buyer in writing</p>
Q470 10/2/2014	<p><u>No Stainless Steel 303</u> - Use of corrosion resistant steel, Type 303 is prohibited. Evidence of compliance (e.g., material composition analysis, or a specific certification statement indicating no usage of type 303 on the Certificate of Compliance) shall be provided with each shipment to support compliance to this Q470 provision.</p> <p><i>Note: Q470 is only required for NAS and CSH Screws and Bolts (Washers are exempt).</i> Some MS screws can only be purchased in type 303, which must be approved by in advance.</p>
Q480 2/20/2017	<p><u>Use of Stellant Systems Qualified Process Suppliers</u>- When the Purchase Order or the Engineering document calls out for plating, surface finishes or conditioning requirements in accordance with the Military specs, Federal specs, or Industry specs, the plating, surface finishes or conditioning process shall be performed by an approved <i>Stellant Systems Approved Special Metal Finishing Process Supplier</i>. Deviation requires advanced approval (in writing) from Buyer. The supplier shall provide evidence of compliance by providing process certifications with each shipment.</p> <ul style="list-style-type: none"> • Q480 only applies to Processes listed on the Stellant Systems Qualified Process Supplier Database. <p><i>Note – See Approved Industrial Processors list</i></p>