

# TEXTRON Systems

## Purchase Order Codes

\*In the event of conflict between this list and a PO, follow the PO\*

As of 03/03/2026

PO Code - New	Short Text	Long Text
C100	Government Property - Liability and Tagging	<p>(1) You are in receipt of government owned property. Be advised that you are liable for any loss of or damage to the property while it is in your possession. Please refer to the Federal Acquisition Regulations (FAR) Part 45, sub-part 45.5 for the management of this property.</p> <p>(2) Orange tags (government property, Textron Systems form M-433) The vendor shall not remove government property tag, M-433. This tag shall remain with the item and return back to Textron Systems attached to the item.</p> <p>(3) Green Tags (DD-Form-1577-2) The vendor shall not remove green unserviceable tags (DD-Form-1577-2) attached to or with the property. This tag shall remain with the item and return back to Textron Systems attached to the item.</p> <p>(4) All sub-assemblies and components left over from the repair shall be placed in a separate box and or container and returned back to Textron systems. The separate box or container shall be clearly marked as scrap material and list the purchase order and line item. The vendor may dispose components that cannot readily be re-utilized in the repair process if the vendor has and follows an approved government disposition process already in place.</p>

C101	Government Property - Annual Government Process Review	<p>(1) Annual government process review is required prior to shipment from your facility. Upon receipt of this order, review the defense priority rating. If it is Unrated, this means the PO is for a non-government contract; promptly notify the buyer to resolve the discrepancy.</p> <p>(2) Otherwise, promptly notify the government representative who normally services your facility so that appropriate planning for the annual government process review can be or has been accomplished. Prior to shipment, supplier is required to ensure a government process review has been completed within the past year. In the event findings are discovered during the annual review or nonconformances discovered in the product, DCMA, supplier, and Textron systems will coordinate on additional actions. In the event that the representative of office cannot be located, the buyer shall be notified immediately. A copy of this order has been provided to the applicable DCMA office by the Textron Systems' buyer.</p>
C102	Customer/Government Property - Source Inspection - CSI/GSI	<p>This order is subject to Government/Regulatory Source Inspection (GSI) and/or Customer Source Inspection (CSI) and access to all facilities involved in the order and to all applicable records shall be provided. Supplier will be contacted if applicable.</p>
C103	Government Property - Government Source Inspection (GSI) Not Applicable	<p>Code C102 (Customer/Government Property - Source Inspection - GSI/CSI) is not applicable to this line item.</p>
C104	Government Property - Inventory Management and Auditing	<p>(1) Seller shall comply with FAR 52.245-1 "Government Property". Be advised that you are liable for any loss of, or damage to, the property while it is in your possession.</p> <p>(2) Seller and its lower tier suppliers shall deliver hardware that is compliant with this order. Seller shall provide the M-100 and/or ISC-021 form(s) ) via email to</p> <p>TS_PROPERTYADMIN01@TEXTRONSYSYSTEMS.COM</p> <p>to demonstrate compliance to this FAR clause. This FAR clause and quality note is applicable to any government property furnished to the seller by Textron Systems. Government property may include Textron purchased materials, tooling/fixtures, government purchased property provided to the seller by Textron, and any product for which milestone payments have been issued.</p>

D100	Conformance - Certification of Conformance (CoC) Required	<p>(1) The Seller is required to submit a CoC as Objective Quality Evidence (OQE) to attest that all materials, components, assemblies and services delivered to Textron Systems in performance of this order comply with the requirements of the order, including but not limited to all applicable drawings and specifications, materials and part requirements, and processes contained or referenced therein. Failure to supply the required certification will be cause for rejection of shipment and will delay payment of invoices.</p> <p>(2) At a minimum, the certification shall:</p> <ul style="list-style-type: none"> <li>a. Accompany each shipment of material.</li> <li>b. Be formatted on Seller's company standard form or Seller's company letterhead.</li> <li>c. Reference the Part Number as listed on the Purchase Order.</li> <li>d. Include the name or stamp of the Authorized Seller Representative responsible for validity of the certification.</li> </ul> <p>(3) For raw materials, include a material certification with shipment of material to Textron Systems. Supplier may alternately submit the report to Textron Systems Supplier Quality at the following email prior to product shipment:</p> <p>supplierquality@textronsystems.com</p>
D101	Conformance - Certification of Conformance (CoC) Supplier Retain on File	<p>(1) The Seller is required to store and provide a Certificate of Conformance upon Textron Systems' or Government request. A Certificate of Conformance is not required to be submitted to Textron Systems with parts being shipped.</p> <p>(2) At a minimum, the certification shall:</p> <ul style="list-style-type: none"> <li>a. Be formatted on Seller's company standard form or Seller's company letterhead.</li> <li>b. Reference the Part Number as listed on the Purchase Order.</li> <li>c. Include the name or stamp of the Authorized Seller Representative responsible for validity of the certification.</li> </ul>

D102	Conformance - Material Certification of Conformance (CoC) Required	<p>(1) Seller to submit a material certification as objective quality evidence (OQE) to certify that all applicable drawings, specifications, materials, parts and processes, contained or referenced in Textron Systems' purchase order, comply with the specified requirements.</p> <p>(2) The material certification shall be submitted with shipment of material to Textron Systems. Supplier may alternately submit the report to Textron Systems Supplier Quality at the following email prior to product shipment:</p> <p>supplierquality@textronsystems.com</p>
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D103	Conformance - Certificate of Conformance (CoC) with Traceability Required	<p>(1) The Seller is required to submit with each shipment a "Certificate of Conformance" as Objective Quality Evidence (OQE) to attest that all materials, components, assemblies, and services delivered to Textron Systems in performance of this order comply with the requirements of the Order, including but not limited to; all applicable drawings and specifications, materials and part requirements, and processes contained or referenced therein. If Seller is not manufacturer (or service provider), a manufacture (or service provider) CoC shall also be made available in addition to Seller's CoC.</p> <p>(2) At a minimum, the certification shall include the following:</p> <ul style="list-style-type: none"> <li>a. Seller's name and address and reference to Buyer's Purchase Order (PO) and line item number (Seller's company standard form or Seller's company letterhead is acceptable).</li> <li>b. Signature or stamp with title of Seller's authorized personnel signing the certificate, date of signing, and a statement attesting that Goods provided under this contract conform to all contract requirements. Certificates utilizing secured computer-generated signatures with title of Seller's authorized personnel are acceptable.</li> <li>c. Part number, dash number, and revision number, (as specified by PO), for each item.</li> <li>d. Traceability information, if required, representative of each item - to include the lot trace (e.g., date, batch, heat) or the individual item trace (e.g., serial number)</li> <li>e. Quantity</li> <li>f. When multiple item manufacturers (or service providers) and/or multiple lots are included in one shipment, Seller shall separate and identify respective manufacturer's (or service provider's) lots, and indicate each lot quantity. For Raw materials or blanks/slugs, lots/ingots must be physically separated and identified in separate containers.</li> <li>g. Additional documentation requirements defined by the item specification as applicable.</li> <li>h. CoC Date</li> </ul>
D104	Conformance - Certificate of Compliance (CoC) Laser Required	Suppliers of lasers shall certify to Textron Systems that the laser(s) comply with the advertised or required classification in accordance with 21CFR1040. Suppliers shall submit a statement certifying the classification of the laser to 21CFR1040.

D105	Conformance - Certificate of Compliance (CoC) Hot Solder Coating Required	Supplier shall perform Hot Solder Coating per MIL-STD 11991, "Hot Solder Coating (Tinning) of Electronic Parts by Outside Supplier," and submit a certificate of compliance with the provisions per document MIL-STD-11991 describing the lead material and finish with each shipment of items.
D106	Conformance - Certificate of Conformance (CoC) QML Microcircuits Required	Suppliers of QML microcircuits shall provide a basic Certificate of Conformance as required by MIL PRF-38535, paragraph 3.2.1 & MIL-PRF-38534, paragraph 3.8.1.
D107	Conformance - Certificate of Conformance (CoC) Fasteners Required	<p>Fasteners - Grade 5 and Higher</p> <p>(1) One legible copy of a certification for the grade of fastener being supplied must accompany each shipment.</p> <p>(2) One legible copy of a certification for the grade of fasteners installed in an assembly supplied by your company must accompany each shipment.</p> <p>(3) The certification shall contain the following:</p> <ul style="list-style-type: none"> <li>a. Complete actual chemical composition as well as the specification number that the material complies with.</li> <li>b. Actual hardness measurement readings.</li> <li>c. Actual tensile strength values.</li> <li>d. Identity of manufacturer's logos being supplied. Logo must be registered with the Defense Industrial Supply Center. (Reference MIL-HDBK-57 for the list of approved grade 5 fastener suppliers.)</li> <li>e. Country of manufacture.</li> </ul>

D108	Conformance - Certificate of Conformance (CoC) Fasteners Supplier Retain on File	<p>Fasteners - specified grade - grade 5 and higher – non-deliverable certifications</p> <p>(1) A certification for the grade of fastener being supplied must be retained on file at the supplier's facility.</p> <p>(2) The certification shall contain the following:</p> <ul style="list-style-type: none"> <li>a. Complete actual chemical composition.</li> <li>b. Actual hardness measurement readings.</li> <li>c. Actual tensile strength values.</li> <li>d. Identity of manufacturer's logos being supplied (logo must be registered with the defense industrial supply center).</li> <li>e. Country of manufacture.</li> <li>f. All fasteners provided must be supported by this documentation.</li> <li>g. A certification for the grade of fasteners installed in an assembly supplied by your company must be retained on file at the supplier's facility. The certification shall contain the data required by this quality clause. All assemblies provided must be supported by this documentation.</li> <li>h. Records and other objective evidence of inspection testing, processing, and fabrication shall be retained by the supplier for a minimum of 7 years after the completion of the contract unless otherwise specified. These records shall be identified and stored to enable the records to be readily located and made available as requested by Textron Marine &amp; Land Systems and/or the government.</li> </ul>
D109	Conformance - Certificate of Conformance (CoC) Specialty Metals Required	<p>(1) Seller shall comply with DFARS 252.225-7009 "Restriction on Acquisition of Certain Articles Containing Specialty Metals". For all orders that include ball or roller bearings, seller shall comply with DFARS 252.225-7016 "Restriction on Acquisition of Ball and Roller Bearings".</p> <p>(2) Seller shall provide a statement that material conforms to DFARS requirements 252.225-7009 and/or 252.225-7016 (if ball/roller bearings are present). This statement must be present on the Certificate of Conformance or other documentation that provides traceability to the Purchase Order and Part Number. Note: If ball bearings contain specialty metals, DFAR 252.225-7009 also applies.</p> <p>(3) Seller shall flow down this requirement in all lower tier subcontracts and purchase orders and deliver hardware that is compliant with this order.</p>

D110	Conformance - Material Compliance Data	<p>In order to support current domestic and international environmental legislation, the supplier shall provide materials compliance data by using the website:</p> <p><a href="https://matrix.systems.textron.com/matrix/MaterialDeclaration.html">https://matrix.systems.textron.com/matrix/MaterialDeclaration.html</a></p> <p>or contact the materials compliance representative at the following email:</p> <p><a href="mailto:Material-Compliance@textronsystems.com">Material-Compliance@textronsystems.com</a></p>
D111	Conformance - Country of Origin	<p>(1) On all shipments the supplier is required to use form TML- IE-FM-007 or equivalent. Form TML-IE-FM-007 is located on the Textron Systems External page:</p> <p><a href="https://www.textronsystems.com/services-support/supplier-resource-library">https://www.textronsystems.com/services-support/supplier-resource-library</a></p> <p>From this web page, you can search for the form.</p> <p>(2) Shipments shall be accompanied by a legible and reproducible copy of the supplier country of origin certification. This certification will contain part numbers included in the shipment, a description of the parts, the quantity of each part, and the country of origin of each part. Form TML-IE-FM-007 shall be signed by the responsible Quality personnel stating compliance to the specifics of this Quality Clause requirement.</p>
D112	Conformance - Electronic Component Screening Supplier Retain on File	<p>(1) The seller is responsible for all electronic components purchased or manufactured, and shall screen for proper material, workmanship, and performance to ensure compliance to all drawings and the specification for that component.</p> <p>(2) The seller shall maintain objective evidence of compliance on file, subject to Textron Systems review upon request.</p>

D113	Conformance - Certificate of Conformance (CoC) Tantalum or Tungsten Parts Required	<p>(1) Seller shall comply with DFARS 252.225-7052 "Restriction on the Acquisition of Certain Magnets, Tantalum, and Tungsten" as prescribed in DFARS 225.7018-5 "Contract clause".</p> <p>(2) Seller and lower tiers shall insert the substance of DFARS 252.225-7052 on all subcontracts who provide material for this acquisition, including paragraph (d) below:</p> <p style="padding-left: 40px;">(d) Subcontracts. The Contractor shall insert the substance of this clause, including this paragraph (d), in subcontracts and other contractual instruments that are for items containing a covered material, including subcontracts and other contractual instruments for commercial products, unless an exception in paragraph (c) of this clause applies. The Contractor shall not alter this clause other than to identify the appropriate parties.</p> <p>(3) Seller shall provide a statement that material conforms to DFARS requirements 252.225-7052. This statement must be present on the Certificate of Conformance or other documentation that provides traceability to the Purchase Order and Part Number.</p> <p>(4) Seller shall flow down this requirement in all lower tier subcontracts and purchase orders and deliver hardware that is compliant with this order.</p>
D114	Conformance - Supplier Tooling Requirements	<p>Upon receipt of this PO, supplier shall notify Textron if any Special Tooling or Special Test Equipment is utilized in the manufacture of this part/assembly. Definitions and additional tooling requirements are provided in SD-PROC-010. SD-PROC-010 is located on the Textron Systems Supplier Resource Library at the following URL:  <a href="https://www.textronsystems.com/services-support/suppliers/supplier-resource-library">https://www.textronsystems.com/services-support/suppliers/supplier-resource-library</a>.</p>
D200	Records - Acceptance Test Data Records	<p>(1) The seller is required to produce and store acceptance test data records, indicating the parameters tested, the actual results recorded, and the acceptance criteria, for each unit shipped under this order.</p> <p>(2) Test data records shall be provided upon Textron Systems' or Government request.</p>
D201	Records - Retention	<p>(1) Records and other objective evidence of inspection testing, assembly, processing, and fabrication shall be retained by the supplier for a minimum of 7 years after the completion of the contract unless otherwise specified.</p> <p>(2) These records shall be identified and stored to enable the records to be readily located and retrieved.</p>

D202	Records - Test Data Records	<p>(1) The seller is required to submit acceptance test data records, indicating the parameters tested, the Textron Systems PO Number or Textron Systems part number, actual results recorded, and the acceptance criteria, for each unit shipped under this order.</p> <p>(2) The supplier must include a copy of the test data with each shipment or Supplier may alternately submit digitally through Textron Systems Supplier portal prior to shipment</p>
D203	Records - Critical Safety Item (CSI)	<p>(1) A Critical Safety Item (CSI) Control Plan is incorporated into the terms, conditions, instructions, and requirements of this purchase order in full text. Incorporation of the CSI Control Plan is at the revision level effective as of the latest date printed on the "Procured Part Revision Control Document" and included with the Purchase order Documents.</p> <p>(2) The Seller is responsible for assuring that the requirements of Textron Systems' CSI Control Plan are implemented on any production of contract items destined to satisfy the requirements of this Purchase Order.</p> <p>(3) If a CSI Control Plan document has not been provided with the transmission of this Purchase Order, or any revision thereto, Seller is obligated to request a copy from the Buyer.</p> <p>(4) The supplier is required to maintain on file and make available for review, quantitative and / or qualitative data, indicating the actual results of each Control Plan parameter. Data shall include as a minimum:</p> <ul style="list-style-type: none"> <li>a. specification requirement or attribute from the Control Plan</li> <li>b. tolerance where applicable</li> <li>c. actual measurement</li> <li>d. indication of pass / fail for each Critical Characteristic</li> </ul> <p>(5) Additionally, the "CSI Program Activities" document (QA-SP65) is incorporated into the terms, conditions, instructions, and requirements of this purchase order in full text. A copy of document QA-SP65 can be found at Textron Systems' website:</p> <p><a href="https://www.textronsystems.com/services-support/suppliers">https://www.textronsystems.com/services-support/suppliers</a></p> <p>Select the "CSI Program Activities" (QA-SP65) link.</p>

D204	Records - Flying Probe, In-Circuit Test (ICT) Records	<p>Flying Probe, In-Circuit Test.</p> <p>(1) Supplier shall provide all test equipment and fixturing to perform specified flying probe or ICT testing. Contact Textron Buyer for test required.</p> <p>(2) The seller is required to produce and store acceptance test data records, indicating the parameters tested, the actual results recorded, and the acceptance criteria, for each unit shipped under this order. Test data records shall be provided upon TEXTRON SYSTEMS or Government request.</p>
D205	Records - Inspection Data	<p>(1) Inspection data for every shipment of parts is required. The supplier shall provide 100% inspection data (measured results) for a minimum of quantity one part on subject PO. If the drawing contains Identified Key Features (via Flag Note), only the key features require 100% inspection data.</p> <p>(2) The supplier shall provide required inspection data (measured results) for all parts shipped. The supplier must include a copy of the inspection report with the shipment and email a copy to:</p> <p>supplierquality@textronsystems.com</p> <p>(3) Supplier is responsible for quality of all parts on subject PO whether providing Textron Systems with measurement data or not, and is expected to apply appropriate process controls and inspections to the product.</p> <p>(4) A supplier MRB Disposition Request must be completed by supplier and approved by Textron Systems in advance of shipment of any parts that are not conforming to the Textron Systems' part specification.</p>

D206	Records - Copies of Inspection Data	<p>(1) Objective data per the drawing dimensions and associated tolerances based on the supplier's final inspection plan shall be created for each shipment and maintained by the supplier. The supplier inspection plan may include only critical dimensions as required to ensure conformance.</p> <p>(2) On a periodic basis, as deemed necessary by Textron Systems Quality Engineering, data for a specific shipment and part will be requested. This clause requires that the data be created at the time of shipment therefore making the report immediately available upon request. The Textron Systems' review of test reports is in no way an approval of the dimensions selected and the supplier's quality planning.</p> <p>(3) The supplier is responsible for delivery of parts free of defects.</p> <p>(4) The data collected is for 100% of the parts provided in the shipment. The report may be the individual values for each part or portrayed as a range (min &amp; max) of the actual inspection results. If the minimum and maximum are reported, all inspection results shall be made available at the request of Textron Systems.</p> <p>(5) Inspections may be performed to a media of inspection. Data used to certify, validate and maintain the media of inspection must be available upon request.</p> <p>(6) Textron Systems may, as part of corrective action for defective parts, require changes to the supplier's quality planning.</p> <p>(7) The data sheets shall contain the Purchase Order number, part number(s), quantity and the above dimensional data and be signed by a responsible representative of the seller assuring conformance to the requirements.</p>
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D207	Records - Audited Lot Inspection Data	<p>(1) Objective data per the drawing dimensions and associated tolerances based on the supplier's final inspection plan shall be created for each shipment and maintained by the supplier. The supplier inspection plan may include only critical dimensions as required to ensure conformance.</p> <p>(2) The data shall be specific to a minimum of 5 parts selected at random or 10% of the parts selected at random if the shipment is 55 parts or greater.</p> <p>(3) On a periodic basis, as deemed necessary by Textron Systems Quality Engineering, data for a specific shipment and part will be requested. This clause requires that the data be created at the time of shipment therefore making the report immediately available upon request. The Textron Systems review of test reports is in no way an approval of the dimensions selected and the supplier's quality planning.</p> <p>(4) The supplier is responsible for delivery of parts free of defects.</p> <p>(5) The report may be the individual values for each part inspected or portrayed as a range (min &amp; max) of the actual inspection results obtained for the entire shipment provided. If the minimum and maximum are reported, all inspection results shall be made available at the request of Textron Systems.</p> <p>(6) The data reports shall contain the Purchase Order number, part number(s), quantity and the above dimensional data and be signed by a responsible representative of the seller assuring conformance to the requirements.</p> <p>(7) If a lot is produced greater than the shipment quantity, data complying with the above requirements may be created for the entire lot. This lot inspection data should be attached to a shipment specific data report as defined by this clause.</p> <p>(8) Inspections may be performed to a media of inspection. Data used to certify, validate and maintain the media of inspection must be available upon request.</p> <p>(9) Textron Systems may, as part of corrective action for defective parts, require changes to the supplier's quality planning.</p>
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D208	Records - Serialized Inspection Data	<p>(1) Objective data per the drawing dimensions and associated tolerances based on the supplier's final inspection plan shall be created for each shipment and maintained by the supplier. The supplier inspection plan may include only critical dimensions as required to ensure conformance.</p> <p>(2) The data shall be specific to all of the quantity provided in the shipment with individually listed part inspection results identified to a serial number of the actual inspection results obtained for the entire lot provided.</p> <p>(3) The data sheets shall be signed by a responsible representative of the seller assuring conformance to the requirements.</p> <p>(4) If parts are not serialized, the supplier shall use temporary serial numbers and tag parts for traceability to the inspection data.</p> <p>(5) On a periodic basis as deemed necessary by Textron Systems Quality Engineering, data for a specific shipment and part will be requested. This clause requires that the data be created at the time of shipment therefore making the report immediately available upon request. The Textron Systems review of test reports is in no way an approval of the dimensions selected and the supplier's quality planning.</p> <p>(6) The supplier is responsible for delivery of parts free of defects.</p> <p>(7) Textron Systems may, as part of corrective action for defective parts, require changes to the supplier's quality planning.</p>
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D209	Records - Microwave Filters	<p>(1) The seller is required to submit inspection data, indicating the features inspected, the actual dimensions recorded, and the acceptance criteria, data will be provided against an AQL 1.0 Sample per ANSI Z1.4 General Inspection level I for each part number supplied on each Purchase Order.</p> <p>(2) Each shipment must have at least one piece of each part number inspected to these requirements and data provided with the shipment.</p> <p>(3) The following details must be inspected as indicated:</p> <ul style="list-style-type: none"> <li>a. Dimensional Data for all features must be provided as part of the complete Data Package.</li> <li>b. Precise measurements must be taken when verifying Case Length and Width due to possible presence of Processing Material.</li> <li>c. Mounting Holes - Threads must be verified and indicated as Pass/Fail if specified in Drawing details.</li> <li>d. The Supplier must adhere to the Note in the Mechanical Detail concerning Flush Mounting which is a critical requirement of the Component.</li> <li>e. The supplier must include a copy of the Inspection Data with each shipment and e-mail a copy to:  supplierquality@textronsystems.com</li> </ul>
D210	Records - New Tool Inspection	<p>(1) Inspection required for new tool. Requirements are those dimensional, visual, functional, mechanical, and material features or properties, which describe and constitute the design of the tooling as specified by drawing requirements. These characteristics can be measured, inspected, tested, or verified to determine conformance to the design requirements.</p> <p>(2) The supplier is required to submit 100% inspection data, indicating the features inspected, the actual dimensions recorded, and the acceptance criteria, from new tooling.</p> <p>(3) Material certifications must reflect the material/process specification that is stated in the drawing.</p> <p>(4) The data shall be provided on AS9102 Form 3 or equivalent, and be submitted to Textron Systems' Supplier QA group at the following email:  supplierquality@textronsystems.com</p>
D212	Records - Weight	Vendor shall provide the weight of the item on the packing list, certificate of conformance or separate document.

D213	Records - X-Ray, Solder Paste	<p>X-Ray, Solder Paste</p> <p>(1) The Supplier shall contact Textron Systems' Supplier Quality Engineer (SQE) to receive past history nonconformance data.</p> <p>(2) Textron Systems SQE will supply a list of component locations that shall be 100% solder paste inspected and 100% x-ray inspected post-assembly. As a preventative measure, the SQE will review the design and determine if other areas may be subject to inspection.</p> <p>(3) Inspection data shall be maintained on file at Supplier facility for a period of seven (7) years.</p> <p>(4) Textron SQE may review data during a process review.</p>
D214	Records - Redline Gear Chart	<p>(1) The supplier shall furnish with each shipment a continuous redline gear chart for each article in this shipment.</p> <p>(2) Redline charts shall be for one complete revolution with an indication of START and STOP.</p> <p>(3) The chart shall be accompanied by a certification of material and process compliance to purchase order, blueprint, and specification. The certification shall be signed by a responsible representative and shall spell out the applicable document and revision letter or date.</p> <p>(4) A legend shall also be provided for strip-chart interpretation.</p>
D215	Records - Manufacturing screening test (ESS)- upon request	<p>(1) The seller shall conduct temperature cycling and random vibration in accordance with NAVMAT P-9492, May 1979, section 4.0, for contract end items consisting largely of electronic components.</p> <p>(2) The seller shall maintain objective evidence of compliance on file, subject to Textron Systems review upon request.</p>
D216	Records - Manufacturing screening test (ESS)- submittal	<p>(1) The seller shall conduct temperature cycling and random vibration testing in accordance with NAVMAT P-9492, May 1979, section 4.0, for contract end items consisting largely of electronic components.</p> <p>(2) The seller shall record the test results and submit a test report with each item shipped.</p>
D217	Records - Operating Time/Cycle Data	<p>(1) The seller shall initiate and maintain a record of operating time and cycle record of acceptance testing in the performance of this purchase order.</p> <p>(2) Operating time/cycle is a requirement of this purchase order and must be submitted with each shipment, traceable to the part it represents by serial number.</p>

D218	Records - Essential Product Characteristics	This Drawing contains Essential Product Characteristics identified as either Safety Critical, Reliability Critical, Critical, Major or Minor and has an associated Textron Systems Control Plan. It is the supplier's responsibility to ensure the requirements of the Control Plan are implemented and that the required quantitative and / or qualitative data indicating the actual results of each Control Plan parameter are stored and provided upon Textron Systems or Government request. If a Control Plan was not provided with the transmission of this Purchase Order, the Seller is obligated to request a copy from the Textron Systems Buyer.
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D219	Records - System Deficiency Reports (SDRs)	<p>(1) The Seller, including sub-tier suppliers at all levels, shall generate System Deficiency reports (SDRs) for any deficiency that impacts performance compliance; or Operational Safety, Suitability, and Effectiveness (OSS&amp;E). The SDR contains information about hardware and software deficiencies and their resolution status. The SDR data is used as a management tool to document and track the resolution of deficiencies. Supplier shall provide SDRs NLT 7 days after issue(s) identified.</p> <p>(2) The SDR shall be presented in the supplier's format, but shall contain the following data where applicable for each hardware and software deficiency:</p> <ul style="list-style-type: none"> <li>a. Item # (Number) and Status</li> <li>b. Originator</li> <li>c. Analyst Assigned</li> <li>d. Date</li> <li>e. Date Completed</li> <li>f. The System</li> <li>g. Missile number</li> <li>h. Category</li> <li>i. Date Assigned</li> <li>j. Date Closed</li> <li>k. Date Hardware Eng. Fix</li> <li>l. Date Software Eng. Fix</li> <li>m. Date Sys Eng. Review</li> <li>n. Date Tested</li> <li>o. Initials (As Required)</li> <li>p. Problem Duplicated after Reload</li> <li>q. Problem Duplicated after Restart</li> <li>r. Problem Duplicated During Run</li> <li>s. Problem Priority</li> <li>t. System Status</li> <li>u. Baseline Version of Fix</li> <li>v. Critical items affected</li> <li>w. Corrective Action</li> </ul>
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D220	Records - Ammo Explosives Safety Review And Requirements	<p>(1) The Buyer will send the supplier Textron Systems' form #SM205-F10 "Ammo Explosives Safety Review". Supplier shall submit the completed form to Textron Systems' Buyer for review and acceptance by Textron Systems' Environmental Health and Safety (EHS) team.</p> <p>(2) The supplier must wait for approval by Textron Systems' EHS prior to starting work.</p> <p>(3) The supplier shall provide the following information with each shipment. Prior to releasing any shipments the supplier shall provide advance shipment notification to the Textron Systems Buyer with the below information:</p> <ul style="list-style-type: none"><li>a. Net explosive weight (N.E.W.)</li><li>b. UN number</li><li>c. hazard class</li><li>d. compatibility</li><li>e. EX number</li><li>f. copy of the FEL</li></ul> <p>(4) Note: Accurate net explosive weights are essential for Textron Systems' compliance with DOD and ATF regulations.</p>
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D221	Records - Failure analysis report	<p>(1) The Supplier shall provide a failure analysis report.</p> <p>(2) The Failure Analysis Report shall incorporate the following:</p> <ul style="list-style-type: none"> <li>a. Verify failure before repair/cleaning of the unit.</li> <li>b. If no fault is found, provide evaluation steps that were performed to reach this conclusion.</li> <li>c. After failure analysis and concurrent with repair of this unit, provide analysis results on Textron Systems' form M-546 or equivalent supplier format.</li> </ul> <p>(3) The Failure Analysis Report shall contain:</p> <ul style="list-style-type: none"> <li>a. Date of report.</li> <li>b. Purchase order number.</li> <li>c. Vendor name and address.</li> <li>d. Part name, number, revision level, serial number.</li> <li>e. Nonconforming document serial number.</li> <li>f. Specific and contributory causes of failure.</li> <li>g. List of parts required to repair item(s).</li> <li>h. Corrective action taken to preclude recurrence and effectivity by date or serial number of corrective action.</li> <li>i. Signature and title of supplier's quality representative approving the failure analysis report.</li> </ul> <p>(4) The Failure Analysis Report shall be emailed to:</p> <p>supplierquality@textronsystems.com</p> <p>(5) Upon completion of the repair, add repair and test actions to failure analysis report.</p> <p>(6) This completed report shall be returned in the shipment with the repaired item.</p>
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D222	Records - Failure analysis report Gray Eagle	<p>(1) The Supplier shall provide a failure analysis report.</p> <p>(2) The Failure Analysis Report shall incorporate the following:</p> <ul style="list-style-type: none"> <li>a. Verify failure before repair/cleaning of the unit.</li> <li>b. If no fault is found, provide evaluation steps that were performed to reach this conclusion.</li> <li>c. After failure analysis and concurrent with repair of this unit, provide analysis results on Textron Systems' form M-546 or equivalent supplier format.</li> </ul> <p>(3) The Failure Analysis Report shall contain:</p> <ul style="list-style-type: none"> <li>a. Date of report.</li> <li>b. Purchase order number.</li> <li>c. Vendor name and address.</li> <li>d. Part name, number, revision level, serial number.</li> <li>e. Nonconforming document serial number.</li> <li>f. Specific and contributory causes of failure.</li> <li>g. List of parts required to repair item(s).</li> <li>h. Corrective action taken to preclude recurrence and effectivity by date or serial number of corrective action.</li> <li>i. Signature and title of supplier's quality representative approving the failure analysis report.</li> </ul> <p>(4) The Failure Analysis Report shall be emailed to:</p> <p>Textron_Gray_Eagle_FRACAS@textronsystems.com</p> <p>(5) Upon completion of the repair, add repair and test actions to failure analysis report.</p> <p>(6) This completed report shall be returned in the shipment with the repaired item.</p>
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D223	Records - Fasteners	<p>(1) The supplier shall perform a chemical and physical analysis of a sample of fasteners supplied with this order.</p> <p>(2) Chemical and physical analysis is required for each lot of fasteners used.</p> <p>(3) A report of this analysis shall be provided with the shipment with actual analysis data included in the report along with the specification requirements.</p> <p>(4) This report shall reference</p> <ul style="list-style-type: none"> <li>a. the subcontract number</li> <li>b. specification number(s)</li> <li>c. part number(s)</li> </ul> <p>(5) The report shall certify that the fasteners meet the subcontract requirements and be signed by a responsible quality representative.</p>
D300	Traceability - Traceability to C of C is required	<p>Traceability to the C of C is required; either on the C of C or via accompanying documentation that can be traced back to the C of C such as the PO number and shall include either of the following:</p> <p>(1) Lot Controlled Items: Manufacturer's lot OR batch number OR job number OR Manufacturing Date</p> <p>(2) Serialized Items: Manufacturing date AND Serial Number</p>
D301	Traceability - Raw Material Lot Traceability	<p>Raw Material Lot Traceability is required. The CoC shall include the Lot or Batch Number AND the Manufacturing date.</p>

D303	Traceability - Material history	<p>(1) The supplier shall prepare and maintain a material history for supplier-furnished equipment noted below.</p> <p>(2) Entries shall be made describing repairs made, maintenance performed, derangements occurring, alterations made, tests conducted, and other information considered necessary to provide a comprehensive material history of the item concerned.</p> <p>(3) Routine cleaning and inspection need not be recorded.</p> <p>(4) The supplier shall operate machinery and equipment only for testing or as required to support the testing of other machinery and equipment.</p> <p>(5) The supplier shall establish a system for recording the number of hours each of the following types of machinery and equipment was operated by the supplier during manufacturing, inspection, and test (prior to delivery):</p> <ul style="list-style-type: none"> <li>a. fuel pumps</li> <li>b. cargo handling equipment</li> <li>c. generator sets</li> <li>d. water pumps</li> <li>e. stripping pumps</li> <li>f. hydraulic pumps</li> <li>g. mooring and anchoring gear</li> <li>h. lube oil pumps</li> <li>i. steering equipment.</li> </ul> <p>(6) The supplier shall provide with each item shipped (with the shipment) the material history containing, as a minimum:</p> <ul style="list-style-type: none"> <li>a. part number</li> <li>b. serial number</li> <li>c. modifications incorporated</li> <li>d. maintenance performed</li> <li>e. tests conducted</li> <li>f. number of hours the equipment was operated</li> <li>g. failures that occurred during test.</li> </ul>
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D401	Software - Software License	<p>(1) This item contains software subject to licensing terms and license expiration. The supplier shall provide the following information with each shipment supplied to Textron Systems:</p> <ul style="list-style-type: none"> <li>a. The expiration date of the software license, unless activation is tied to a future date such as delivery of the licensed product to a customer.</li> <li>b. Textron Systems' purchase order number.</li> <li>c. License part number.</li> <li>d. The software licensing period must start no earlier than at the time of purchase.</li> </ul> <p>(2) If this item contains two or more software licenses, supplier shall provide the above for each item.</p>
I100	Foreign Object Debris/Damage (FOD) Control Program	<p>(1) The Supplier shall establish, document and maintain a program to control and eliminate FOD and/or contamination during the Supplier's manufacturing, assembly, test and inspection operations. When applicable, the Supplier's FOD control program shall include controls to preclude FOD or contamination at the Supplier's sub-tier sources.</p> <p>(2) The FOD prevention program shall include the review of design and manufacturing processes to identify and eliminate foreign object entrapment areas and paths through which foreign objects can migrate. Supplier shall ensure work is accomplished in a manner preventing foreign objects or material in deliverable items.</p> <p>(3) The Supplier's FOD program is subject to on-site review and approval by Textron Systems.</p> <p>(4) Delivery of product shall be deemed as certification that items delivered are FOD free. Refer to SAE AS9146 for definitions and guidance.</p>
I200	Inspection Level - 100% Inspection of First and Last Pieces	<p>Inspection Documentation and Reporting Requirements based on category:</p> <p>(1) For build-to-print parts made substantially with machine-controlled processes, supplier shall conduct 100% inspection of all drawing characteristics (including drawing notes) for the first and last piece of each production run and provide those reports with shipment of material. Examples of Machine-controlled: CNC, EDM, Waterjet</p> <p>(2) For operator-dependent build-to-print parts, supplier shall document 100% inspection on all units (including drawing notes) and provide those reports with shipment of material. Examples of Operator-dependent: Bridgeports, grinder, lathes, prototrak, band saw</p> <p>(3) For outside vendor finishing, supplier shall keep track of first and last piece through the process as identified on parts.</p>

I203	Inspection Level - Full First Article Inspection (FAI) Required	<p>(1) Full first article inspection (FAI) shall be performed on the first part or system representative of the production configuration in accordance with AS9102.</p> <p>(2) The first article report shall be submitted to Textron Systems Supplier Quality at:</p> <p>supplierquality@textronsystems.com</p> <p>prior to product shipment. Supplier may alternately submit the FAI report through the ESIS portal, if applicable.</p> <p>(3) The FAI report shall contain objective evidence that all of the requirements of AS9102 have been met. The objective evidence shall include actual data (e.g. Inspection data, test data, certifications, etc.). Textron Systems reserves the right to witness the First Article Inspection at the supplier.</p> <p>(4) Supplier may proceed at risk with production of additional items beyond the first production article. Supplier does not need to wait for Textron Systems acceptance of the FAI prior to shipment. However, supplier remains responsible for product conformance, accuracy, and completeness of FAI report.</p>
I204	Inspection Level - Partial First Article Inspection (FAI)	<p>(1) Partial first article inspection (FAI) shall be performed on the first part or system representative of the production configuration in accordance with AS9102.</p> <p>(2) The first article report shall be submitted to Textron Systems Supplier Quality at:</p> <p>supplierquality@textronsystems.com</p> <p>prior to product shipment. Supplier may alternately submit the FAI report through the ESIS portal, if applicable.</p> <p>(3) The FAI report shall contain objective evidence that all of the requirements of AS9102 have been met. The objective evidence shall include actual data (e.g. Inspection data, test data, certifications, etc.). Textron Systems reserves the right to witness the First Article Inspection at the supplier.</p> <p>(4) Supplier may proceed at risk with production of additional items beyond the first production article. Supplier does not need to wait for Textron Systems acceptance of the FAI prior to shipment. However, supplier remains responsible for product conformance, accuracy, and completeness of FAI report.</p>

I206	Inspection Level - First Article Conformance Report (FACR)	<p>(1) Each initial shipment of hardware for a new Purchase Order requires the submittal of a completed FACR document covering all purchase order, drawing, process, specification characteristics and requirements with the shipment. The FACR shall include the</p> <ul style="list-style-type: none"> <li>a. Purchase order number</li> <li>b. part number(s)</li> <li>c. process identification</li> <li>d. reference to the requirement.</li> </ul> <p>(2) All FACR submittals must be sent to:</p> <p>Textron Systems  19401 Chef Menteur Hwy.  New Orleans, LA 70129  Attention: Quality Manager  Product Quality Assurance Department</p> <p>prior to the initial receipt of the material at Textron Systems.</p> <p>(3) If these requirements were complied with on a previous order, a re-submittal of the FACR is not required providing that materials have been received by Textron Systems within the previous 12 months and no changes in process/equipment, sub-tier suppliers and personnel have been implemented since the last first article.</p> <p>(4) In the event of any characteristics or requirements changes, a new FACR is required. The report shall include engineering tolerances and show actual results/values of inspections and tests.</p> <p>(5) In the case of articles produced by molds, dies, etc. with more than one cavity, the vendor shall submit a first-article report from each cavity and identify the first article to indicate the cavity it represents.</p> <p>(6) A copy of the Suppliers FACR shall be included with the shipment in addition to sending a copy to Textron Systems as required by this Quality Clause.</p> <ul style="list-style-type: none"> <li>a. If the shipment of a single Fit Check part is not a purchase order requirement, the part inspected for the FACR may be shipped as part of an initial order.</li> <li>b. If a Fit Check part is a purchase order requirement, the fit check part will be shipped as a single item and no additional parts may be shipped without approval from Textron Systems. The Fit Check part must be identified. Fit Check Identification can be accomplished by</li> </ul>
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		<p>attaching a large tag/sign to the item in a very conspicuous location stating "Fit Check" or by using tags provided by Textron Systems.</p>
I208	<p>Inspection Level - Raw Material Verification</p>	<p>The supplier shall inspect/test materials furnished by Textron Systems or procured by the supplier on receipt to ensure material conformance to contract requirements prior to the start of operations.</p>

I209	Inspection Level - Statistical Process Control (SPC)	<p>(1) Statistical Process Control (SPC) is required for each shipment on this Purchase Order. Prior to shipment, the supplier must email the required SPC documentation to:</p> <p>supplierquality@textronsystems.com</p> <p>for formal review and approval by the Supplier Quality Engineer.</p> <p>(2) Once approved, supplier shall include a copy of the inspection chart(s).</p> <p>(3) Supplier shall maintain all supporting data at supplier's facility and make such data available to Textron Systems upon request of Buyer. Supplier is responsible for quality of all parts on subject PO whether providing Textron Systems with measurement data or not, and is expected to apply appropriate process controls and inspections to the product.</p> <p>(4) A supplier MRB Disposition Request must be completed by supplier and approved by Textron Systems in advance of shipment of any parts that are not conforming to the Textron Systems' part specification.</p>
I210	Inspection Level - 100% Inspection Required	<p>(1) Seller shall perform 100% inspection on 100% of assemblies being delivered. 100% Inspection shall also be performed on components within the assembly. Seller shall flow-down this requirement to sub-tiers.</p> <p>(2) This inspection data shall be provided with shipment of materials.</p> <p>(3) Sampling Inspection is only allowed with prior review and approval by Textron.</p>

I300	Source Inspection - TMLS Source Evidence	<p>(1) Textron Systems source inspection is required prior to shipment. The seller shall notify Textron Systems Product Assurance Admin - Product Quality Assurance Department two working days in advance of the time the items will be available for the designated source inspection. Approval authority by the Product Assurance representative is limited to granting approval for shipment of items on this purchase order from the seller facility.</p> <p>(2) The seller shall provide the Product Assurance representatives with free access to the facilities used under this contract for performing source inspection (i.e., quality surveillance, inspections, examinations, or tests). The supplier shall furnish to the representative all information that the representative considers pertinent to the function being performed. When requested by the representative, the supplier shall provide the equipment necessary for the representative to perform the required inspections and examinations, present the items under conditions satisfactory to the representative for inspection and examination, and provide adequate office facilities for use by the representative.</p> <p>(3) When the representative detects a quality program or product deficiency, a corrective action request may be transmitted to the supplier. The supplier is required to identify and correct the deficiency and the cause of the deficiency to minimize the probability of recurrence, and submit to Textron Systems within a reasonable time a written response describing the cause of the deficiency, the action taken, and its effective date.</p> <p>(4) If the supplier's performance dips and it is deemed appropriate/necessary to impose source inspection, it will be conducted at the supplier's expense.</p> <p>(5) Evidence of source inspection, including applicable completed Supplier Material Review Request (SMRR), or source inspection waiver issued by Textron Systems Product Assurance must accompany each applicable shipment unless prior arrangements have been made to electronically transmit the information. Supplier shall send a copy of the source inspection document, including applicable completed SMRR, or source inspection waiver issued by Textron Systems Product Assurance, to:</p> <p>Textron Systems 19401 Chef Menteur Hwy. New Orleans, LA 70129 Attention: Quality Manager Product Quality Assurance Department</p> <p>(6) All items on this purchase order and all shipments are subject to final acceptance at</p>
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		destination in accordance with the INSTRUCTIONS, TERMS, AND CONDITIONS section as provided with the purchase order.
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I301	Source Inspection - Source Inspection Required	<p>Source inspection shall be conducted by Textron Systems at the supplier's facility, including in-process and final inspection of items defined in this purchase order.</p> <ul style="list-style-type: none"><li>a. Prior to production the supplier shall notify Textron Systems Supplier QA group 7 days prior to time for agreed-upon inspection/hold points using Form M-791.</li><li>b. On date of source inspection supplier shall have available and shall present upon request, documented evidence of required inspection and tests.</li><li>c. Supplier shall obtain approval prior to shipment via source inspection waiver Form M-785 or provide evidence on shipping documents that an onsite source inspection was completed by Textron Systems Quality representative.</li></ul>
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I302	Source Inspection - US Government	<p>(1) Government inspection is required prior to shipment from the supplier plant. Upon receipt of this order, a copy shall be promptly furnished to the Government representative who has delegate assignment from the appropriate authority for the Textron Systems contract for which parts or materials are being purchased.</p> <p>(2) The seller shall provide the government representative(s) with free access to the facilities used under this contract for performing source inspection. The supplier shall furnish to the government representative all information that the government representative considers pertinent to the function being performed. When requested by the government representative, the supplier shall provide the equipment necessary for the government representative to perform the required inspections and examinations, present the items under conditions satisfactory to the government representative for inspection and examination, and provide adequate office facilities for use by the government representative.</p> <p>(3) When the government representative detects a quality program or product deficiency, a corrective action request may be written. The supplier is required to identify and correct the deficiency and its cause to minimize the probability of recurrence. A written response describing the cause of the deficiency, the action taken, and its effective date will be submitted to Textron Systems as required, within a reasonable time</p> <p>(4) Evidence of Government inspection will be shown on the shipping document. In addition, the Supplier shall send a copy of the shipping document to:</p> <p>Textron Systems  19401 Chef Menteur Hwy.  New Orleans, LA 70129  Attention: Quality Manager  Product Quality Assurance Department</p> <p>During performance of this order, the supplier quality program or inspection system and manufacturing processes are subject to review, verification, and analysis by an authorized Government representative. The supplier shall provide a copy of this document to its Government representative upon the request of the representative.</p> <p>(5) In instances where the Letter of Delegation (LOD) has been closed prior to completion of the Purchase Order delivery schedule, a copy of the approved LOD closure, or proof of an official notification of closure, should accompany the shipment in lieu of a Government Source Stamped shipping document.</p>
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I303	Source Inspection - Canadian Government	<p>(1) Canadian inspection is required prior to shipment from the supplier plant. Upon receipt of this order, a copy shall be promptly furnished to the Canadian representative who is delegated assignment from the appropriate authority for the contract for which parts or materials are being purchased.</p> <p>(2) The seller shall provide the Canadian representative(s) with free access to the facilities used under this contract for performing source inspection. The supplier shall furnish to the Canadian representative all information that the Canadian representative considers pertinent to the function being performed. When requested by the Canadian representative, the supplier shall provide the equipment necessary for the Canadian representative to perform the required inspections and examinations, present the items under conditions satisfactory to the Canadian representative for inspection and examination, and provide adequate office facilities for use by the Canadian representative.</p> <p>(3) When the Canadian representative detects a quality program or product deficiency, a corrective action document may be written.</p> <p>(4) Evidence of Canadian inspection will be shown on the shipping document and maintained at the supplier's facility. During performance of this order, the supplier quality program or inspection system and manufacturing processes are subject to review, verification, and analysis by an authorized Canadian representative. The supplier shall provide a copy of this document to its Canadian representative upon the request.</p>
I400	Other - Electrical Cable Inspection Sample	<p>Prior to shipment, the supplier is to submit a 4-foot sample and associated test report for each lot of cable to be inspected by Textron Systems Quality Engineering. Acceptance and authority to ship will be granted subsequent to inspection. Samples are to be addressed to:</p> <p>Textron Systems  19401 Chef Menteur Hwy.  New Orleans, LA 70129  Attention: Quality Manager  Product Quality Assurance Department</p>

M100	Counterfeit Parts - Documentation and Testing	<p>(1) Unbroken Chain Of Documentation: The supplier is required to maintain on file and provide upon request an unbroken chain of documentation (certifications, packing slips, etc.) tracing the movement of the electronic parts back to the original manufacturer. The Supplier shall certify that the parts have not been salvaged from delivered or used parts, reclaimed, otherwise used, or previously rejected for any reason.</p> <p>(2) Testing if purchased from non-OEM or Authorized Distributor: Electronic parts procured from a source other than the original manufacturer or the original manufacturer's authorized distributor are required to have additional testing performed on a sample per lot at a Textron Systems approved Counterfeit testing facility to verify the authenticity of the parts. The testing facility shall be accredited to AS6171 at a minimum. Testing should include as appropriate:</p> <ul style="list-style-type: none"> <li>a. Visual Inspection Real-Time X-Ray Analysis</li> <li>b. Scanning Electron Microscopy (SEM) Analysis</li> <li>c. Package Configuration and Dimensions</li> <li>d. X-Ray Florescent (XRF) Elemental Analysis</li> <li>e. Resistance to Solvents (RTS) and Scrape Test</li> <li>f. Solderability Test</li> <li>g. Heated Solvent Test</li> <li>h. Decapsulation and Die Microscopy</li> </ul> <p>The completed test report is to be forwarded to the Textron Systems Buyer for review by Engineering and Quality.</p>
M102	Counterfeit Parts - Board House Requirements	<p>(1) Board Houses shall maintain full date and lot traceability of all electrical, electronic, electro-optical, and electro-mechanical (EEEE) components that are provided with board assemblies. If not provided by Textron Systems, EEEE components shall only be procured from Original Equipment Manufacturers (OEM) or authorized distributors and shall be consumed within 5 years from the date of manufacture.</p> <p>(2) Shipment of assemblies shall be accompanied by Certificates of Conformance (CofC) from the seller for each provided assembly and shall include the Lot/Serial Number and Date of Manufacture of the assembly.</p>
M200	Identification and Marking - Textron Creates UID Label	Supplier is not required to provide UID label(s) or verification sheet(s) shown on Drawing and/or PO codes. Textron Systems will identify product with label(s) upon receipt.

M201	Identification and Marking - Supplier Creates UID Label but Does Not Verify	<p>(1) UID Label Required. Label format to follow requirements of either the Engineering Drawing or Marking Specification 50301-40025 as applicable. UID labels shall be produced in accordance with the latest revision of MIL-STD-130. UID markings shall be affixed to be easily accessible for scanning and visual verification unless otherwise noted on the applicable drawing(s).</p> <p>(2) Supplier shall deliver an electronic file containing the UII values using the format specified in the XML file provided in the subcontractors data package to:</p> <p><a href="https://intranet.aaicorp.com/matrix/ADCL.html">https://intranet.aaicorp.com/matrix/ADCL.html</a></p> <p>Refer to the instructions link on that page for additional information. A valid entry is required for each element where "N/A" is not present. If needed, contact your Textron Systems Supplier QE for assistance.</p>
M202	Identification and Marking - Supplier creates and Verifies UID Label	<p>(1) UID Label Required. Label format to follow requirements of either the Engineering Drawing or Marking Specification 50301-40025 as applicable. UID labels shall be produced and verified in accordance with the latest revision of MIL-STD-130. Quality symbol verification reports shall be completed and submitted with each shipment IAW MIL-STD-130 5.2.7 MRI Marking Quality. Human readable information (except direct part markings) shall be legible and accurate. UID markings shall be affixed to be easily accessible for scanning and visual verification unless otherwise noted on the applicable drawing(s).</p> <p>Supplier shall deliver an electronic file containing the UII values, using the format specified in the XML file provided in the subcontractors data package, to:</p> <p><a href="https://intranet.aaicorp.com/matrix/ADCL.html">https://intranet.aaicorp.com/matrix/ADCL.html</a></p> <p>Refer to the instructions link on that page for additional information. A valid entry is required for each element where "N/A" is not present. If needed, contact your Textron Systems Supplier QE for assistance.</p>
M203	Identification and Marking - Heat or Melt Identification	<p>All parts and/or material shall be identified with the heat, melt, heat code, or lot number. Parts may be tagged when stamping is not practical.</p>

M204	Identification and Marking - Heat Lot Number Traceability	Material drop shipped from the mill to the supplier shall have the Heat Lot Number transferred from the plate to parts fabricated from that plate. The parts shall be marked with the Heat Lot Number in the same manner specified for the part marking.
M206	Identification and Marking - Marking of Parts - Textron Specification	(1) Fabricated Parts and/or Assemblies manufactured to Government and/or Textron Systems specifications shall be marked in accordance with MIL-STD-130. (2) In addition, the individual part must be marked with the part number and Textron Systems purchase order number.
M207	Identification and Marking - Marking of Parts - COTS	(1) Parts manufactured to Commercial Off-the-Shelf (COTS) specifications shall be marked by the supplier/distributor with the part number identified on the Textron Systems Purchase Order. The part number shall either be marked directly on the part or on the part's package, carton, or container. When not practical, bagging or tagging with the part number is permitted. (2) In addition, the part marking, tag, or bag shall be marked with the Textron Systems Purchase Order.
M208	Identification and Marking - Marking of Parts - Government Specification	Parts manufactured to Government, MS, NSN, or Textron Systems specifications shall be marked as follows: (1) Electrical parts, i.e. all parts in electrical equipment and electrical parts used in equipment not electrical in nature (e.g. electric controls and motors in a hydraulic system), shall be identified and marked in accordance with MIL-STD-1285. Where MIL-STD-1285 does not apply, the part shall be identified and marked in accordance with MIL-STD-130. (2) Electronic parts, i.e. all parts in electronic equipment and electronic parts used in equipment not electronic in nature (e.g. electronic fuel controls in some engines), shall be identified and marked in accordance with requirement 67 of MIL-HDBK-454. (3) Parts other than electrical or electronic (as described above) shall be identified and marked in accordance with MIL-STD-130. (4) Parts that are too small to be identified and marked as provided above shall be appropriately coded to permit ready identification. Bagging or tagging to identify is permitted when above methods are impractical. In addition, the part marking, tag, or bag shall be marked with the Textron Systems Purchase Order number.

M209	Identification and Marking - Serialization	Parts and/or assemblies shall be serialized. The supplier will assign a distinguishing serial number that is maintained throughout the life of the product and is not reassigned to another unit of the same part number. Assembly, test, and final acceptance records will be maintained by the serial number assigned. Part/Component Serial Numbers must be identified on the Part, Supplier Packing List, and/or Certification accompanying the shipment.
M210	Identification and Marking - Lifeboats	<p>(1) Lifeboats shall be banded/lashed to an individual pallet for handling and shipping.</p> <p>(2) Warning markings (1/2-inch red letters) shall be added to the exterior of each boat and shall read as follows:  DO NOT ROLL THIS CONTAINER.  DO NOT STAND ON END.</p> <p>If the lifeboat and pallet are placed in a shipping container, the above warning marking shall be placed on the sides and top of the shipping container.</p> <p>(3) The lifeboat first aid kits shall be packed with the freshest items available. Under no condition shall those items packed have less than 24 months remaining until their shelf life expires.</p> <p>(4) The lifeboats shall have monel rupture disks for the inflation valves. All lifeboats shall have the lifeboat serial number stenciled in 1/2-inch letters on the upper half of the lifeboat container (to indicate that the inflation valves have monel rupture disks). This marking is to be done in accordance with MIL-C- 24491B(SH), paragraph 3.5.1.1 immediately after the NSN number. The marking shall read:  NSN No.:  Serial No.:</p>

M211	Identification and Marking - Item Unique Identification (IUID)	<p>Parts and/or assemblies that have been assigned this code are required to be identified by use of the Item Unique Identification (IUID) system.</p> <p>(1) The supplier will obtain the labels, include the pertinent information on them, and apply the labels in a location that will be visible after installation of the part/assembly. Records will be maintained at the supplier by the serial number and IUID label. The labels shall meet the requirements of Defense Acquisition Regulations System (DFARS) 252.211-7003 with machine-readable IUID markings in accordance with MIL-STD-130.</p> <p>(2) An IUID label shall not be required if the drawing calls for the use of etching, ink stamp, or equivalent method of marking the machine readable IUID on the part.</p> <p>(3) IUID label requirements for Ship to Shore Connector (SSC) items:</p> <ul style="list-style-type: none"> <li>a. Unit acquisition cost is \$5,000 or more. (Acquisition Cost is the cost to the customer for the purchase of the item as a production or spare unit)</li> <li>b. Under \$5,000 when the item meets the definition of a Maintenance Significant Item (MSI) and permanent identification is required.</li> <li>c. Under \$5,000 when the item is designated by the customer as Department of Defense (DoD) serially managed, controlled inventory, or mission essential (e.g. precious metals, hazardous materials, or items (such as crypto equipment) which have national or operational security implications)</li> <li>d. Regardless of value when an item is a DoD serially managed embedded item.</li> <li>e. If the item is a parent item (as defined in DFARS 252.211- 7003(a)) that contains the embedded subassembly, component, or part.</li> </ul> <p>(4) Each configuration item that meets one or more IUID criteria must be marked with a unique item identifier (UII). The supplier shall also identify the location of the UII on the configuration item drawing provided to Textron Systems.</p> <p>Data to be included in the UII tag includes:</p> <ul style="list-style-type: none"> <li>a. Manufacturer's CAGE Code</li> <li>b. Manufacturer's Part Number</li> <li>c. Serial Number</li> <li>d. NAVSEA Part Number (if required)</li> </ul>
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M302	Shelf Life - 60% Shelf Life Item	<p>Shelf Life Material</p> <p>(1) Material/parts shipped under this purchase order must arrive with a minimum of 60% of the shelf life remaining unless otherwise specified and approved by Textron Systems in writing.</p> <p>The Vendor shall provide the following information with each shipment supplied to Textron Systems:</p> <ul style="list-style-type: none"> <li>a. Textron System Purchase Order Number</li> <li>b. Manufacturer's name</li> <li>c. Specification to item purchased, to include type and class</li> <li>d. Manufacture or cure date</li> <li>e. Batch/lot number</li> <li>f. Expiration date</li> <li>g. Textron Systems part number (if applicable)</li> <li>h. Storage requirements such as temperature (if applicable)</li> </ul> <p>(2) Material furnished in kits consisting of two or more components shall have the expiration date of the earliest compound. (Example: part A has expiration of 1/1/2017; part B has expiration of 12/1/2016. Part B shall be the expiration date for the product.)</p> <p>(3) If material/parts are temperature sensitive, storage requirements must be labeled on the exterior surface of each package shipped.</p>
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M303	Shelf Life - 75% Shelf Life Item	<p>Shelf Life Material</p> <p>(1) Material/parts shipped under this purchase order must arrive with a minimum of 75% of the shelf life remaining unless otherwise specified and approved by Textron Systems in writing.</p> <p>The Vendor shall provide the following information with each shipment supplied to Textron Systems:</p> <ul style="list-style-type: none"> <li>a. Textron System Purchase Order Number</li> <li>b. Manufacturer's name</li> <li>c. Specification to item purchased, to include type and class</li> <li>d. Manufacture or cure date</li> <li>e. Batch/lot number</li> <li>f. Expiration date</li> <li>g. Textron Systems part number (if applicable)</li> <li>h. Storage requirements such as temperature (if applicable)</li> </ul> <p>(2) Material furnished in kits consisting of two or more components shall have the expiration date of the earliest compound. (Example: part A has expiration of 1/1/2017; part B has expiration of 12/1/2016. Part B shall be the expiration date for the product.)</p> <p>(3) If material/parts are temperature sensitive, storage requirements must be labeled on the exterior surface of each package shipped.</p>
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M304	Shelf Life - 5 Year Shelf Life Item	<p>Shelf Life Material</p> <p>(1) Part shall be treated as if it has a 5 year shelf life from date of manufacture unless the part is packaged in a moisture barrier bag with the seal or expiration date filled out. If so, shelf life should be updated to match the expiration marked on the bag.</p> <p>(2) The vendor shall provide the following information with each shipment supplied to Textron systems.</p> <ul style="list-style-type: none"> <li>a. The date of manufacture or expiration date from seal date on moisture barrier bags</li> <li>b. Minimum 40% shelf life be remaining on the part.</li> </ul> <p>(3) In the event that the 40% shelf life requirement cannot be met, QA will determine if the material can be used prior to expiration.</p> <ul style="list-style-type: none"> <li>a. If it can be used prior to expiration, an NC is not required and the PO Code can be waived or exempted per local practice.</li> <li>b. If it cannot be used prior to expiration, an NC shall be written with disposition Scrap or RTV for replacement.</li> </ul>
M305	Shelf Life - Age control of Rubber Goods - Textron Specification	<p>Rubber goods delivered under this contract shall conform to the applicable following requirements:</p> <p>(1) The materials shall conform to Textron Systems Purchase Order and Drawing/Specification requirements.</p> <p>(2) All materials shall be new with no signs of age or deterioration.</p> <p>(3) Materials shall be commercially packaged to preserve the materials during storage.</p>
M306	Shelf Life - Age control of Rubber Goods - Government Specification	<p>Rubber goods delivered under this contract shall conform to the applicable following requirements:</p> <p>(1) Material shall conform to MIL-STD-1523+E94 requirements.</p> <p>(2) Non-installed items shall be packaged in a cure date marked preservative wrapping and shall be delivered within 6 months from the cure date.</p>
M307	Shelf Life - 60% Battery Charge Interval Remaining	<p>The Vendor shall provide the following with each shipment supplied to Textron Systems:</p> <p>(1) Date of the next required charge or date of last charge.</p> <p>(2) Textron Systems Purchase Order number.</p> <p>(3) MIL-SPEC or Part Number as applicable.</p> <p>(4) At least 60% of the charge interval remaining. (for example: if charge interval is one (1) year, battery must have at least 7.2 months before next required charge).</p>

M308	Shelf Life - 75% Battery Charge Interval Remaining	<p>The Vendor shall provide the following with each shipment supplied to Textron Systems:</p> <ul style="list-style-type: none"> <li>(1) Date of the next required charge or date of last charge.</li> <li>(2) Textron Systems Purchase Order Number.</li> <li>(3) MIL-SPEC or Part Number as applicable.</li> <li>(4) At least 75% of the charge interval remaining. (For example: if charge interval is one (1) year, battery must have at least 9 months before next required charge.)</li> </ul>
M309	Shelf Life - Manufacture Date of No More than 3 Years from Date of Receipt	<p>Part shall have a manufacture date of no more than 3 years from date of receipt so that Textron Systems can consume into an assembly within 5 years from manufacture date. The vendor shall provide the following information with each shipment supplied to Textron systems.</p> <ul style="list-style-type: none"> <li>(1) The date of manufacture.</li> <li>(2) Textron Systems Purchase Order number.</li> <li>(3) MIL-SPEC or Part Number as applicable.</li> <li>(4) Date of manufacture shall be no more than 3 years from date of receipt.</li> </ul> <p>In the event that this requirement can not be met, contact the Textron Systems buyer for direction. Applicable documentation shall be provided per other purchase order codes and at a minimum, made available upon request.</p>

M400	Material Requirements - Heat-treated Steel Nuts	<p>(1) Heat-treated steel nuts shall be examined for defects. Each nut shall be subjected to wet fluorescent magnetic particle inspection in accordance with MIL-STD-271.</p> <ul style="list-style-type: none"> <li>a. Cracks and forging laps are not acceptable.</li> <li>b. Questionable defects shall be viewed under 5X minimum magnification with the particles removed.</li> <li>c. Seams on the flats as evidenced by the straight, longitudinal light particle buildup appearance are acceptable if they do not extend into the crown or the washer face by more than 1/64 inch.</li> <li>d. Indications across the threads are acceptable if they do not extend to the root.</li> <li>e. Nuts showing four or more indications exceeding 1/8 inch in length shall be rejected.</li> </ul> <p>(2) Further examination shall be performed on all nuts that fail the above criteria, except those nuts machined from steel bars and found acceptable through electromagnetic analysis (eddy current): Electromagnetic analysis inspection shall include</p> <ul style="list-style-type: none"> <li>a. Seams and other discontinuities in bar stock shall not exceed the indication obtained from an artificial defect of 0.01 inch in depth on a calibrated bar, or the radial thickness of material which will subsequently be removed during nut fabrication, whichever is less.</li> <li>b. Bars containing cracks, seams, or discontinuities, which exceed the above limits, shall be rejected.</li> </ul> <p>Wet magnetic particle inspection in accordance with MIL-STD-271 may be used in lieu of electromagnetic analysis, provided the depth of discontinuities is confirmed by filing or grinding across the area containing magnetic particle indication.</p> <p>(3) The supplier shall submit an inspection report with each lot of nuts shipped indicating actual inspection results that provide objective evidence the lot of nuts meeting the above requirements.</p>
M401	Material Requirements - Quality and Workmanship Requirements, MIL-HDBK-454	<p>MIL-HDBK-454 Requirement 5 - Soldering; Requirement 9 - Workmanship; and Requirement 12 - Fasteners, are invoked on this order. When applicable, Requirement 10 - Electrical Connectors; Requirement 13 - Structural Welding; Requirement 17 - Printed Wiring; Requirement 67 - Marking; and Requirement 69 - Internal Wiring Practices, are also invoked on this purchase order.</p>

M402	Material Requirements - Firmware Identification	This part contains specified requirements for installed Firmware, Firmware Functional Testing, and/or Labeling Associated with Firmware. Firmware, Firmware Functional Testing, and/or Labeling Associated with the Specified Firmware will be the responsibility of Textron Systems and not the Supplier. If there are any questions concerning this requirement, contact Textron Systems Buyer or Supplier Quality Engineer prior to acceptance of Purchase Order.
M403	Material Requirements - Raw Material - Buy American Act	Raw Material shall comply with DFARS 252.225-7001 Buy American Act Full Raw Material Lot and Special Process Traceability shall be provided including <ul style="list-style-type: none"> <li>a. Original mill certificate with country of melt.</li> <li>b. Statement of conformance to the specification requirements.</li> <li>c. Traceability that the material was procured directly from a mill or show full traceability from the mill.</li> <li>d. Chemical/physical test results of any subsequent processing steps.</li> <li>e. A copy of certifications for any applicable special processes.</li> </ul>
M404	Material Requirements - Meet or Exceed Advertised Performance Specifications	Acceptance of this item(s) specified by this purchase order shall, as a minimum, be contingent upon verification that all items meet or exceed performance specifications advertised by the manufacturer.
P100	Packaging - Special Packaging Stored in the Product Data Management (PDM) Toolset	This item requires special packaging to ensure product quality. The requirements are listed in a process document stored in the Textron Systems Product Data Management (PDM) toolset. The buyer will provide this document to suppliers.
P101	Packaging - Waffle or Gel Pack	Contract items specified by this Purchase Order shall be packaged in the appropriate commercial Waffle or Gel Pack packaging unit. Supplier is required to mark each packaging unit with applicable Part Number information to positively identify material being provided.

P102	Packaging - Hose, Tubing and Pipe End Protection	<p>(1) Open ends of hoses, tubing and pipe, with or without fittings, shall be sealed with plugs or caps that will provide protection against entry of foreign material. Alternatively, open ends of hoses and tubing, except hydraulic hoses, may be sealed with grease-proof barrier material conforming to Type 1 of MIL-PRF-121. When used, barrier material shall extend a minimum of 4 inches over the open ends onto the body of the hoses or tubing. Barrier material shall be secured with a minimum 1-inch wide, water-resistant, pressure-sensitive tape.</p> <p>(2) Open ended materials must be sealed as defined above even if the materials are boxed, crated, on reels, etc., and/or protected or covered for shipment through some other means of covering.</p> <p>(3) Any deviation of the methods above requires the pre-approval of the responsible Quality Engineer prior to submittal.</p> <p>Note: Tube, hoses and pipes with an inside diameter of 3" or larger do not need to be plugged or capped.</p>
P103	Packaging - Preservation and Packaging per Mil Spec	The items shall be preserved, packed, and packaged, as a minimum, in accordance with the requirements of MIL-STD-2073-1E (method 31). The shelf life for delivery preparation shall be a minimum of 2 years.
P104	Packaging - Preservation and Packaging per Commercial Practice	The item shall be preserved, packed, and packaged in accordance with good commercial practice. The shelf life for delivery preparation shall be assumed to be 2 years.
P105	Packaging - Approval	The supplier shall submit its proposed packaging design criteria to the contractor for review/approval prior to the first shipment on this procurement.
P106	Packaging - Preservation and Packaging Certification	<p>(1) Unit pack one per package within a preservation wrap per MIL-STD-2073-1E (method 33), unless otherwise specified by blueprint or specification.</p> <p>(2) The supplier shall provide a certification with each shipment signed by a responsible representative containing the following information:</p> <ul style="list-style-type: none"> <li>(a) Purchase order number.</li> <li>(b) Cure date.</li> <li>(c) Manufacture date/batch/lot number.</li> <li>(d) Material specification.</li> <li>(e) Compound number.</li> <li>(f) Revision.</li> <li>(g) Part number.</li> </ul>

P200	Shipping - Singular Lot for All Line Items	<p>(1) Supplier shall provide a singular lot for all line item instances of this part number specified on the RFQ/Purchase Order.</p> <p>(2) If a singular lot code cannot be provided, and on-hand material is available for immediate shipment, this may be acceptable. Contact the buyer for approval.</p>
P201	Shipping - DPA Retains for Assemblies	<p>(1) The vendor shall provide an additional three (3) devices per lot date code of Standard EEEE (Electronic, Electrical, Electro-Mechanical, and Electro-Optical) parts and an additional eight (8) devices per lot date code of non-standard EEEE parts used in the assembly; including microcircuits, hybrids, semiconductors, stacked capacitors, custom devices, and connectors.</p> <p>(2) DPA retains shall be included along with the shipment of first use and shall be provided once for each lot date code combination.</p> <p>(3) Packaging and handling shall be in accordance with ANSI S20.20.</p> <p>(4) DPA retains shall be packaged separately from the assembly and denoted as the assembly part number with a -DPA-Kit Suffix.</p> <p>(5) The DPA retain documentation for each part shall include the following information:</p> <ul style="list-style-type: none"> <li>(a) Full traceability back to the OEM or authorized distributor.</li> <li>(b) Certificates of compliance.</li> <li>(c) Lot number or date code of applicable part(s).</li> <li>(d) A copy of the elemental analysis for metallic finishes/construction (i.e. XRF/EDS).</li> </ul>
P202	Shipping - Ship Only Part Number Specified	Ship only the part number(s) specified. Substitution of alternate part number(s) is strictly prohibited.
P300	Handling - Special Care Handling (e.g. time, temperature, fragile)	<p>(1) Vendor must mark the outermost shipping container with a warning label that identifies the contents as requiring special handling. Examples include but are not limited to: fragile, fragile glass, handle with care, etc.</p> <p>(2) Vendor must mark the outermost shipping container to indicate Time and Temperature Sensitive Material and Temperature Storage Range in degrees. Time and temperature storage conditions must be attached to the packing sheet and accompany each shipment to be delivered hereunder.</p>
P301	Handling - Special Hazardous or Environmentally Sensitive Handling	The materials/supplies on this order are hazardous or environmentally sensitive and require special handling and disposal methods. Include the Safety Data Sheets (SDS) with the packing list for each shipment.

P302	Handling - Hybrid Devices Require Special Handling/Storage	Mark outside of shipping container(s) with the attention label shown below:  Attention: This package contains hybrid devices that require special handling/storage.
P400	Delivery - Explosives and Hazardous Material	Direct all explosives and hazardous material deliveries to main building loading dock. Contact buyer for further direction, as needed.
P401	Delivery - As Delivered Configuration Upload - ADCL Required	Supplier shall deliver an electronic file containing the As Delivered Configuration, in the specified format, to:  <a href="https://matrix.systems.textron.com/matrix/ADCL.html">https://matrix.systems.textron.com/matrix/ADCL.html</a>  See instructions link on that page for assistance. A valid entry is required for each element where "N/A" is not present.
P402	Delivery - Maximum Quantity for Minimum Charge	Supplier will deliver maximum quantity for minimum charge.
Q101	AS6500 Compliance	The supplier shall comply with the requirements of AS6500 sections 4.5.8 and 4.5.9. Any additional scope will be communicated in the Statement of Work, if applicable. - AS6500 Manufacturing Management Program
Q102	DMEA Accreditation, DoDI 5200.44 Compliance	Suppliers of custom-designed, custom-manufactured, or tailored integrated circuits or related products (e.g. ASIC) shall be accredited in a Defense Microelectronics Activity (DMEA) facility and shall comply with DoDI 5200.44.

Q200	Sub-tier Supplier Surveillance Program	<p>The Seller shall establish a sub-tier Supplier surveillance program which ensures the following:</p> <ul style="list-style-type: none"> <li>(1) All items procured from its sub-tiers conform to all requirements of the Buyer PO.</li> <li>(2) All applicable provisions of this requirement shall be flowed to its sub-tier suppliers.</li> <li>(3) Sub-tier supplier quality systems shall be compliant to either AS9100, AS9120 or AS9003.</li> <li>(4) Seller shall maintain and provide upon Textron Systems request, evidence of sub-tier supplier compliance to this requirement which may include audit results and corrective actions.</li> </ul> <p>Note: This requirement does not apply to raw material or commercial-off-the-shelf items that may be part of the drawing or assembly being procured.</p>
Q201	Sub-tier Supplier Access	<ul style="list-style-type: none"> <li>(1) The supplier shall ensure contractor, prime contractor, and/or Government representative access to sub-tier supplier facilities for inspection system/quality program or product audit, surveillance, inspections, or tests upon request.</li> <li>(2) Vendor will be responsible for conformance of all supplies or services procured from sub-tiers, and will ensure that the requirements of the purchase order, applicable drawings, and specifications are incumbent upon its procurement sources.</li> <li>(3) Documented evidence of sub-tier control shall be maintained.</li> </ul>
Q202	Sub-tier Supplier Flowdown of Textron Systems PO Requirements	<p>The supplier shall flowdown all requirements of Textron Systems Purchase Order to its sub-tier suppliers, including Key Characteristics when required.</p>

S100	General - Nadcap	<p>(1) Suppliers and their sub-tiers who perform special processes shall be accredited by Nadcap unless otherwise approved in advance by Textron Systems. Types of Nadcap Special Processes may include:</p> <ul style="list-style-type: none"> <li>a. Nondestructive Testing.</li> <li>b. Heat Treating (except suppliers who only perform stress relief or hydrogen embrittlement relief).</li> <li>c. Material Testing Laboratories.</li> <li>d. Chemical Processes (except in-process cleaning, application of paint to composite parts, and touch up of damaged coatings and paint).</li> <li>e. Non-conventional Machining &amp; Surface Enhancements.</li> <li>f. Welding.</li> <li>g. Composites.</li> </ul> <p>(2) The supplier shall provide a process certification for the special processes indicated on drawings, requirement flow down or used in determination of acceptance testing for buyers approval prior to performing special process.</p> <p>(3) Process certifications are required for any special process defined on the Buyer's drawing.</p>
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S101	General - Nadcap ASPL	<p>(1) Suppliers and their sub-tiers of Special Processors shall be accredited by Nadcap and be present on the Approved Special Processor List (ASPL).</p> <p>(2) Special Processors may be approved on the ASPL in lieu of Nadcap certification after successful completion of customer audit prior to performing special processes.</p> <p>(3) Evidence of approval on the customer ASPL shall be provided with shipment. ASPL link:</p> <p><a href="https://oasis-aspl.myngc.com/">https://oasis-aspl.myngc.com/</a></p> <p>(4) Types of Nadcap Special Processes:</p> <ul style="list-style-type: none"> <li>a. Nondestructive Testing.</li> <li>b. Heat Treating (except suppliers who only perform stress relief or hydrogen embrittlement relief).</li> <li>c. Material Testing Laboratories.</li> <li>d. Chemical Processes (except in-process cleaning, application of paint to composite parts, and touch up of damaged coatings and paint).</li> <li>e. Non-conventional Machining &amp; Surface Enhancements.</li> <li>f. Welding.</li> <li>g. Composites.</li> </ul>
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S104	General - Other Special Processes Certification	<p>Supplier special process approval and certification required: Other Special Process (SPECIFY)</p> <p>(1) When special processing operations are required, the Supplier shall be responsible for the management of the sub-tier and the submittal of procedures to Textron Systems for approval.</p> <p>(2) The procedures used by the subcontractor shall be provided to Textron Systems prior to performing the required special process. The supplier must review and accept all reports of sub-tier suppliers.</p> <p>(3) Textron Systems shall have the right to audit and/or perform surveillance functions at any special processor (subcontractor) facility used.</p> <p>(4) Notify Textron Systems: if there are changes of personnel (if applicable), process parameters, manufacturing equipment (new or relocated equipment), any materials used in the process that have potential impact, changes to inspection / testing protocols, procedures (regardless of the reason for the update / change), with applicable certification status, and changes of subcontractors.</p> <p>(5) For each material shipment against the Purchase Order, the process certificate shall include:</p> <ul style="list-style-type: none"> <li>a. signature and title of an authorized representative</li> <li>b. the process used</li> <li>c. reference to procedures used to satisfy Textron Systems approval (including a revision letter, number or date)</li> <li>d. the specifications to which they conform (name, specification number and revision, type, class, purchase order, or drawing)</li> <li>e. the name of the sub- tier supplier that performed the process if other than the supplier.</li> </ul>
S105	General - Test Samples	<p>(1) Concurrent with the shipment of production articles, the supplier shall furnish a minimum of two test samples of each batch sufficient to conduct tests in accordance with specification or contract requirements.</p> <p>(2) Each test sample must be clearly and permanently marked with:</p> <ul style="list-style-type: none"> <li>a. batch or lot number</li> <li>b. date manufactured</li> <li>c. specification or material control information number</li> <li>d. contractor's designation</li> <li>e. purchase order number.</li> </ul>

S201	Metals - Welding Certification	<p>Supplier special process approval and certification required: Welding</p> <p>(1) When special processing operations are required, the Supplier shall be responsible for the management of the sub-tier and the submittal of procedures to Textron Systems for approval.</p> <p>(2) The procedures used by the subcontractor shall be provided to Textron Systems prior to performing the required special process. The supplier must review and accept all reports of sub-tier suppliers.</p> <p>(3) Textron Systems shall have the right to audit and/or perform surveillance functions at any special processor (subcontractor) facility used.</p> <p>(4) Notify Textron Systems: if there are changes of personnel (if applicable), process parameters, manufacturing equipment (new or relocated equipment), any materials used in the process that have potential impact, changes to inspection / testing protocols, procedures (regardless of the reason for the update / change), with applicable certification status, and changes of subcontractors.</p> <p>(5) Documents required for welding are: Process Qualification Record (PQR), Weld Process Specification (WPS) and Welder Performance Test (WPT) or equivalent.</p> <p>(6) For each material shipment against the Purchase Order, the process certificate shall include:</p> <ul style="list-style-type: none"> <li>a. signature and title of an authorized representative</li> <li>b. the process used</li> <li>c. reference to procedures used to satisfy Textron Systems approval (including a revision letter, number or date)</li> <li>d. the specifications to which they conform (name, specification number and revision, type, class, purchase order, or drawing)</li> <li>e. the name of the sub- tier supplier that performed the process if other than the supplier.</li> </ul>
S202	Metals - Welding Documentation Required- Instructions to Supplier	<p>Special Instructions - Supplier:</p> <p>When welding is required, the buyer will send the supplier Textron Systems form # M-689 "Supplier welding quality requirements". Supplier shall submit the requested information that was identified on the M-689 to Textron Systems' buyer for review and acceptance by Textron Systems weld manager. The supplier must wait for approval by Textron Systems weld manager prior to starting work.</p>

S203	Metals - Welding Process Qualification (SSC Specific)	<p>Welding Process Qualification (SSC specific)</p> <p>Components to be fabricated for the Ship to Shore Connect or Program (SSC) shall meet the Procedure and Performance Qualification Requirements of NAVSEA S9074-AQ-GIB-010/248 (Section 4 &amp; 5); unless specified otherwise on the drawing.</p> <p>Components to be fabricated for the Ship to Shore Connector Program (SSC) shall meet the Procedure and Performance Qualification Requirements of NAVSEA S9074-AQ-GIB-010/248 (Section 4 &amp; 5); unless specified otherwise on the drawing. All documentation of qualification shall be submitted to Textron Systems – Procurement representative (reference Quality Clause S201) who will then forward the weld data package to Textron Systems – Welding Engineering for review. Following Textron Systems review, the weld data package will be submitted to SUPSHIP Gulf Coast for final review and approval request. Following SUPSHIP approval, Textron Systems will provide a signed approval letter in which welding and fabrication can then commence.</p> <p>Section 4 – Welding Procedure Qualification:  All requirements of Section 4 shall be met by the activity for the qualification of welding procedures in accordance with NAVSEA S9074-AQ-GIB-010/248. This includes the PQR, WPS, Non – Destructive Test reports (NDT), Mechanical Testing (Destructive Testing) lab reports, weld map of drawing for joints to be welded, and any other pertinent data specific to the qualification.</p> <p>Section 5 – Welding Performance Qualification:  All requirements of Section 5 shall be in place by the activity for the qualification of welders and welding operators in accordance with NAVSEA S9074-AQ-GIB-010/248 following the requirements of Section 4 being met. Training shall be administered by the activity’s MIL-STD-271 certified Level III NDE examiner or other NAVSEA approved individual. The welder training program shall be in accordance with the requirements of Section 5.2.3.1 (A – F) of NAVSEA S9074-AQ-GIB-010/248.</p>
S204	Metals - Weld Test Samples	<p>Supplier shall furnish with initial shipment two samples of the same type material of comparable thickness at least 6 inches in length, which bear the same type weld used on the production item.</p>

S206	Metals - Heat Treating Certification	<p>Supplier special process approval and certification required: Heat treating</p> <p>(1) When special processing operations are required, the Supplier shall be responsible for the management of the sub-tier and the submittal of procedures to Textron Systems for approval.</p> <p>(2) The procedures used by the subcontractor shall be provided to Textron Systems prior to performing the required special process. The supplier must review and accept all reports of sub-tier suppliers.</p> <p>(3) Textron Systems shall have the right to audit and/or perform surveillance functions at any special processor (subcontractor) facility used.</p> <p>(4) Notify Textron Systems: if there are changes of personnel (if applicable), process parameters, manufacturing equipment (new or relocated equipment), any materials used in the process that have potential impact, changes to inspection / testing protocols, procedures (regardless of the reason for the update / change), with applicable certification status, and changes of subcontractors.</p> <p>(5) For each material shipment against the Purchase Order, the process certificate shall include:</p> <ul style="list-style-type: none"> <li>a. signature and title of an authorized representative</li> <li>b. the process used</li> <li>c. reference to procedures used to satisfy Textron Systems approval (including a revision letter, number or date)</li> <li>d. the specifications to which they conform (name, specification number and revision, type, class, purchase order, or drawing)</li> <li>e. the name of the sub- tier supplier that performed the process if other than the supplier.</li> </ul>
S207	Metals - Heat Treat Samples	Two test bars or samples shall be heat treated with parts and submitted with shipment (for each heat treat lot).
S208	Metals - Test Bars (Forgings)	<p>The supplier shall furnish with each shipment:</p> <p>(1) Two test bars prepared to Federal Test Standard 151 of each heat of the forgings supplied.</p> <p>(2) Test bars identified with the applicable purchase order number, alloy identification, and heat number it represents.</p>

S209	Metals - Raw Castings and Forgings	<p>A minimum of two samples of all raw castings and forgings are required from new or reworked dies or molds and must be approved by the contractor run prior to the run of production parts. Unless source inspection is a requirement of the contract, the samples shall be forwarded to Receiving Inspection with the actual results of layout inspection, radiographs, and actual chemical and physical test results.</p> <p>When source inspection is a requirement of the contract, the layout and test data shall be evaluated at the supplier's facility. In either case, first article approval is required prior to the start of production. The supplier is responsible for obtaining approval of any change in processes or tooling using the same approval instructions stated above.</p>
S210	Metals - Supplemental Data Requirements (Castings/Forgings)	<p>In addition to chemical/physical test reports stating the actual chemical and mechanical properties for each lot submitted, the inspection test data listed below shall be submitted for each lot of castings or forgings as required by specification or contract.</p> <p>Certification for radiographic, magnetic particle, fluorescent penetrant and/or ultrasonic inspection, pressure test, and/or grain flow shall be submitted as required with the order. Radiographic inspection film for each casting radiographed shall be supplied upon request. These reports shall be validated by an authorized representative of the supplier's quality department, by either an inspection stamp or signature.</p>
S211	Metals - Tensile Test Samples	<p>Two separately cast test bars, coupons, or appendages as defined by the applicable specification or drawing shall be submitted with each lot delivered.</p>

S213	Metals - Brazing Certification	<p>Supplier special process approval and certification required: Brazing</p> <p>(1) When special processing operations are required, the Supplier shall be responsible for the management of the sub-tier and the submittal of procedures to Textron Systems for approval.</p> <p>(2) The procedures used by the subcontractor shall be provided to Textron Systems prior to performing the required special process. The supplier must review and accept all reports of sub-tier suppliers.</p> <p>(3) Textron Systems shall have the right to audit and/or perform surveillance functions at any special processor (subcontractor) facility used.</p> <p>(4) Notify Textron Systems: if there are changes of personnel (if applicable), process parameters, manufacturing equipment (new or relocated equipment), any materials used in the process that have potential impact, changes to inspection / testing protocols, procedures (regardless of the reason for the update / change), with applicable certification status, and changes of subcontractors.</p> <p>(5) For each material shipment against the Purchase Order, the process certificate shall include:</p> <ul style="list-style-type: none"> <li>a. signature and title of an authorized representative</li> <li>b. the process used</li> <li>c. reference to procedures used to satisfy Textron Systems approval (including a revision letter, number or date)</li> <li>d. the specifications to which they conform (name, specification number and revision, type, class, purchase order, or drawing)</li> <li>e. the name of the sub- tier supplier that performed the process if other than the supplier.</li> </ul>
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S301	Coatings - Cleaning Certification	<p>Supplier special process approval and certification required: Cleaning</p> <p>(1) When special processing operations are required, the Supplier shall be responsible for the management of the sub-tier and the submittal of procedures to Textron Systems for approval.</p> <p>(2) The procedures used by the subcontractor shall be provided to Textron Systems prior to performing the required special process. The supplier must review and accept all reports of sub-tier suppliers.</p> <p>(3) Textron Systems shall have the right to audit and/or perform surveillance functions at any special processor (subcontractor) facility used.</p> <p>(4) Notify Textron Systems: if there are changes of personnel (if applicable), process parameters, manufacturing equipment (new or relocated equipment), any materials used in the process that have potential impact, changes to inspection / testing protocols, procedures (regardless of the reason for the update / change), with applicable certification status, and changes of subcontractors.</p> <p>(5) For each material shipment against the Purchase Order, the process certificate shall include:</p> <ul style="list-style-type: none"> <li>a. signature and title of an authorized representative</li> <li>b. the process used</li> <li>c. reference to procedures used to satisfy Textron Systems approval (including a revision letter, number or date)</li> <li>d. the specifications to which they conform (name, specification number and revision, type, class, purchase order, or drawing)</li> <li>e. the name of the sub- tier supplier that performed the process if other than the supplier.</li> </ul>
S302	Coatings - Adhesion Heat Test	<p>Vendor to perform coating adhesion heat test per ASTM B488-01 on 100% of all items and to provide objective quality evidence.</p>

S304	Coatings - Prime/Paint Special Process Certification	<p>Supplier special process approval and certification required: Prime/Paint</p> <p>(1) When special processing operations are required, the Supplier shall be responsible for the management of the sub-tier and the submittal of procedures to Textron Systems for approval.</p> <p>(2) The procedures used by the subcontractor shall be provided to Textron Systems prior to performing the required special process. The supplier must review and accept all reports of sub-tier suppliers.</p> <p>(3) Textron Systems shall have the right to audit and/or perform surveillance functions at any special processor (subcontractor) facility used.</p> <p>(4) Notify Textron Systems: if there are changes of personnel (if applicable), process parameters, manufacturing equipment (new or relocated equipment), any materials used in the process that have potential impact, changes to inspection / testing protocols, procedures (regardless of the reason for the update / change), with applicable certification status, and changes of subcontractors.</p> <p>(5) For each material shipment against the Purchase Order, the process certificate shall include:</p> <ul style="list-style-type: none"> <li>a. signature and title of an authorized representative</li> <li>b. the process used</li> <li>c. reference to procedures used to satisfy Textron Systems approval (including a revision letter, number or date)</li> <li>d. the specifications to which they conform (name, specification number and revision, type, class, purchase order, or drawing)</li> <li>e. the name of the sub- tier supplier that performed the process if other than the supplier.</li> </ul>
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S306	Coatings - Anodizing Certification	<p>Supplier special process approval and certification required: Anodizing</p> <p>(1) When special processing operations are required, the Supplier shall be responsible for the management of the sub-tier and the submittal of procedures to Textron Systems for approval.</p> <p>(2) The procedures used by the subcontractor shall be provided to Textron Systems prior to performing the required special process. The supplier must review and accept all reports of sub-tier suppliers.</p> <p>(3) Textron Systems shall have the right to audit and/or perform surveillance functions at any special processor (subcontractor) facility used.</p> <p>(4) Notify Textron Systems: if there are changes of personnel (if applicable), process parameters, manufacturing equipment (new or relocated equipment), any materials used in the process that have potential impact, changes to inspection / testing protocols, procedures (regardless of the reason for the update / change), with applicable certification status, and changes of subcontractors.</p> <p>(5) For each material shipment against the Purchase Order, the process certificate shall include:</p> <ul style="list-style-type: none"> <li>a. signature and title of an authorized representative</li> <li>b. the process used</li> <li>c. reference to procedures used to satisfy Textron Systems approval (including a revision letter, number or date)</li> <li>d. the specifications to which they conform (name, specification number and revision, type, class, purchase order, or drawing)</li> <li>e. the name of the sub- tier supplier that performed the process if other than the supplier.</li> </ul>
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S308	Coatings - Passivation Certification	<p>Supplier special process approval and certification required: Passivation</p> <p>(1) When special processing operations are required, the Supplier shall be responsible for the management of the sub-tier and the submittal of procedures to Textron Systems for approval.</p> <p>(2) The procedures used by the subcontractor shall be provided to Textron Systems prior to performing the required special process. The supplier must review and accept all reports of sub-tier suppliers.</p> <p>(3) Textron Systems shall have the right to audit and/or perform surveillance functions at any special processor (subcontractor) facility used.</p> <p>(4) Notify Textron Systems: if there are changes of personnel (if applicable), process parameters, manufacturing equipment (new or relocated equipment), any materials used in the process that have potential impact, changes to inspection / testing protocols, procedures (regardless of the reason for the update / change), with applicable certification status, and changes of subcontractors.</p> <p>(5) For each material shipment against the Purchase Order, the process certificate shall include:</p> <ul style="list-style-type: none"> <li>a. signature and title of an authorized representative</li> <li>b. the process used</li> <li>c. reference to procedures used to satisfy Textron Systems approval (including a revision letter, number or date)</li> <li>d. the specifications to which they conform (name, specification number and revision, type, class, purchase order, or drawing)</li> <li>e. the name of the sub- tier supplier that performed the process if other than the supplier.</li> </ul>
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S310	Coatings - Chemical Films Certification	<p>Supplier special process approval and certification required: Chemical films</p> <p>(1) When special processing operations are required, the Supplier shall be responsible for the management of the sub-tier and the submittal of procedures to Textron Systems for approval.</p> <p>(2) The procedures used by the subcontractor shall be provided to Textron Systems prior to performing the required special process. The supplier must review and accept all reports of sub-tier suppliers.</p> <p>(3) Textron Systems shall have the right to audit and/or perform surveillance functions at any special processor (subcontractor) facility used.</p> <p>(4) Notify Textron Systems: if there are changes of personnel (if applicable), process parameters, manufacturing equipment (new or relocated equipment), any materials used in the process that have potential impact, changes to inspection / testing protocols, procedures (regardless of the reason for the update / change), with applicable certification status, and changes of subcontractors.</p> <p>(5) For each material shipment against the Purchase Order, the process certificate shall include:</p> <ul style="list-style-type: none"> <li>a. signature and title of an authorized representative</li> <li>b. the process used</li> <li>c. reference to procedures used to satisfy Textron Systems approval (including a revision letter, number or date)</li> <li>d. the specifications to which they conform (name, specification number and revision, type, class, purchase order, or drawing)</li> <li>e. the name of the sub- tier supplier that performed the process if other than the supplier.</li> </ul>
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S312	Coatings - Plating Certification	<p>Supplier special process approval and certification required: Plating</p> <p>(1) When special processing operations are required, the Supplier shall be responsible for the management of the sub-tier and the submittal of procedures to Textron Systems for approval.</p> <p>(2) The procedures used by the subcontractor shall be provided to Textron Systems prior to performing the required special process. The supplier must review and accept all reports of sub-tier suppliers.</p> <p>(3) Textron Systems shall have the right to audit and/or perform surveillance functions at any special processor (subcontractor) facility used.</p> <p>(4) Notify Textron Systems: if there are changes of personnel (if applicable), process parameters, manufacturing equipment (new or relocated equipment), any materials used in the process that have potential impact, changes to inspection / testing protocols, procedures (regardless of the reason for the update / change), with applicable certification status, and changes of subcontractors.</p> <p>(5) For each material shipment against the Purchase Order, the process certificate shall include:</p> <ul style="list-style-type: none"> <li>a. signature and title of an authorized representative</li> <li>b. the process used</li> <li>c. reference to procedures used to satisfy Textron Systems approval (including a revision letter, number or date)</li> <li>d. the specifications to which they conform (name, specification number and revision, type, class, purchase order, or drawing)</li> <li>e. the name of the sub- tier supplier that performed the process if other than the supplier.</li> </ul>
S313	Coatings - Plating Test Sample	<p>The supplier shall submit a separate plating specimen for each lot of plated parts, in accordance with the plating specification(s) referenced on the drawing. The specimen shall be partially masked to expose a portion of the base material and any under-plating. The specimen shall be retained by the contractor.</p>
S314	Coatings – TMLS Vehicle Finish	<p>Land Vehicle finish override. Please see purchase order/notes for specific color/finish requirements. Notes reference located on Textron Systems' Supplier Resource Library: <a href="https://www.textronsystems.com/services-support/supplier-resource-library">https://www.textronsystems.com/services-support/supplier-resource-library</a> Filename: "Land Systems TMLC Codes"</p>

S401	Electronics - Soldering Certification	<p>Supplier special process approval and certification required: Soldering</p> <p>(1) When special processing operations are required, the Supplier shall be responsible for the management of the sub-tier and the submittal of procedures to Textron Systems for approval.</p> <p>(2) The procedures used by the subcontractor shall be provided to Textron Systems prior to performing the required special process. The supplier must review and accept all reports of sub-tier suppliers.</p> <p>(3) Textron Systems shall have the right to audit and/or perform surveillance functions at any special processor (subcontractor) facility used.</p> <p>(4) Notify Textron Systems: if there are changes of personnel (if applicable), process parameters, manufacturing equipment (new or relocated equipment), any materials used in the process that have potential impact, changes to inspection / testing protocols, procedures (regardless of the reason for the update / change), with applicable certification status, and changes of subcontractors.</p> <p>(5) For each material shipment against the Purchase Order, the process certificate shall include:</p> <ul style="list-style-type: none"> <li>a. signature and title of an authorized representative</li> <li>b. the process used</li> <li>c. reference to procedures used to satisfy Textron Systems approval (including a revision letter, number or date)</li> <li>d. the specifications to which they conform (name, specification number and revision, type, class, purchase order, or drawing)</li> <li>e. the name of the sub- tier supplier that performed the process if other than the supplier.</li> </ul>
S402	Electronics - Soldering Flux, Paste, & Alloy	Supplier shall provide objective evidence that flux, soldering paste, or solder alloy materials meet the requirements of J-STD-004, J-STD-005, J-STD-006, or equivalent, as appropriate.
S403	Electronics - Personnel Qualification - Soldering, Electronic Assemblies, Cable and Wire Harness Assemblies	Upon request the seller must be able to supply Textron Systems with objective evidence of demonstrated proficiency for personnel (operators/inspectors) performing the work per drawing requirements (e.g. IPC 610, IPC 620, J-STD-001).
S404	Conformance - Lead Pre-Forming	Supplier shall perform lead pre-forming IAW MIL-STD-883 and J-STD-001. Supplier can, alternatively, send this to a third-party to perform this operation.

S501	NDT -Nondestructive Test Certification	<p>Nondestructive Testing approval and certification required.</p> <p>For each material shipment against the Purchase Order, the certified report shall include:</p> <p>(1) the signature and title of the authorized supplier representative performing the inspection</p> <p>(2) actual nondestructive tests (including, but not limited to, penetrant, magnetic particle, ultrasonic, radiographic, nital etch) performed to confirm conformance to specification requirements</p> <p>(3) material submitted (name, specification number and revision, type, method, company procedure number, etc.).</p> <p>(4) When parts are serialized, serial number must appear on the certification. The supplier must review and accept all reports of subcontractors.</p>
S502	NDT -Radiographic Technique Sheet	<p>The supplier shall submit a completed radiographic technique sheet. A sample test of film processed in accordance with the technique sheet shall be submitted with the completed technique sheet for approval prior to acceptance testing and/or qualification testing.</p>
S503	NDT -X-Ray Report with Shipment	<p>In the case of radiographic inspection, one legible copy of the X-ray report signed by a responsible laboratory representative must accompany the material, as well as the film. The X-ray technique sheet utilized shall also accompany the report. For repairs, the repair sketch and X-ray technique sheet shall accompany the X-ray report.</p>

S504	NDT - X-Ray Report Emailed	<p>(1) Supplier shall provide one legible copy of the X-ray report signed by a responsible laboratory representative, containing results of radiographic inspection.</p> <p>(2) The supplier shall have the necessary equipment to review and evaluate x-ray film, or electronically saved images from real time x-ray, in accordance with ASTM E 1742, Standard Practice for Radiographic Examination.</p> <p>(3) Unless otherwise specified by Textron Systems drawing or specification, each radiograph shall comply with ASTM E 1742 Standard Practice for Radiographic Examination, MIL-STD-883 Test Method and Procedures for Microelectronics, MIL-STD-750 Test Method for Semiconductor Devices.</p> <p>(4) A final report consisting of serial number location, x-ray orientation, and electronic position shall be recorded and provided in .pdf format.</p> <p>(5) For repairs, the repair sketch and X-ray technique sheet shall accompany the X-ray report. The supplier shall email a copy of the final report as well as radiographic film or electronically recorded images (jpg or tiff format only) to:</p> <p>supplierquality@textronsystems.com</p>
T100	Test Requirements-Prohibited Material Testing	<p>(1) Supplier shall provide elemental composition (i.e. XRF) test results demonstrating that the following prohibited materials are not present in the delivered product:</p> <ul style="list-style-type: none"> <li>a. Pure Cadmium, Pure Zinc, Pure Tin (Pure is defined as 97% or greater)</li> <li>b. Constructions and finishes containing pure zinc</li> <li>c. Constructions and finishes containing pure cadmium that are not in accordance with AMS-QQP-416</li> <li>d. Constructions and finishes containing pure tin that contain less than 3 weight percent lead</li> <li>e. Use of lead-free solder alloys, unless previously approved by Textron Systems.</li> </ul> <p>(2) This requirement shall be flowed down to any sub-tiers and applies to all hardware (i.e. screws, nuts, bolts). Mill traceability documentation satisfies raw material documentation.</p> <p>Note: A construction is defined as the components the actual assembly/material is made of. A finish is defined as the metallic protection that is sometimes applied to parts.</p>

T101	Test Requirements- Actual Chemical/Physical Test Reports	<p>One legible copy of actual test reports shall be provided with each shipment of material. Reports must contain the purchase order number, part number, the specification and revision, heat and/or lot number it represents, and include the following:</p> <ul style="list-style-type: none"> <li>a. Actual chemical analysis data</li> <li>b. Actual physical analysis data</li> </ul> <p>Test reports must contain the signature of a responsible representative of the organization performing the test.</p> <p>Note: In certain instances, the PO number may be from a supplier to a sub tier supplier, in which case the PO number may not match the Textron number but the part number, the specification and revision, heat and/or lot number should all match.</p>
T102	Test Requirements- Chemical/Physical Test Reports	<p>The Seller is required to store and provide upon Textron Systems or Government request Chemical and/or Physical Test/Analysis reports as Objective Quality Evidence (OQE) to certify that all applicable drawings, specifications, materials, parts and processes, contained or referenced in Textron Systems' purchase order comply with the specified requirements.</p>
T103	Test Requirements- Test Procedure Approval	<p>Test and inspection records shall provide, as a minimum, the item description, drawing number and revision level, purchase order, contract number, test number, quantity tested/inspected, characteristics inspected with associated tolerance, actual results, disposition of test/inspection results, and identification of witnessing/performing inspector. The test data shall be furnished with the shipment.</p>
T104	Test Requirements- Test Bars (Castings)	<p>The supplier shall furnish with each melt of a shipment:</p> <ul style="list-style-type: none"> <li>a. Two bars prepared to Federal Test Standard 151 of each heat treat and melt log of casting supplier.</li> <li>b. One spectrographic disk representing castings heat or melt supplier.</li> <li>c. Test bars and disk identified with purchase order number, alloy identification, and heat or melt they represent.</li> </ul>

T105	Test Requirements-Electrical Cable Test Report	<p>The supplier shall submit with the shipment a test and inspection report that provides inspection and test data (quantitative results of all quality conformance inspections and tests performed in accordance with applicable specification) showing that the cable meets specification requirements. This test report shall comply with Data Item Description UDI-T-23729. The test report shall be traceable to the cable shipped and is subject to approval by Textron Systems.</p> <p>Both ends of the cable shall be exposed and readily accessible. Both ends of the cable shall be sealed with a strippable plastic coating per MIL-P-149D, a minimum of 2 inches on each end.</p> <p>Only one cable shall be on each reel.</p>
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T106	Test Requirements- Serviceable Condition Including Test Reports	<p>On returned items, the supplier is required to use form TMLS 5169 or TML-QA-FM-091, or equivalent. The forms are located on the Textron Systems External page:</p> <p><a href="https://www.textronsystems.com/services-support/supplier-resource-library">https://www.textronsystems.com/services-support/supplier-resource-library</a></p> <p>Returned items shall be reworked/repared and:</p> <ul style="list-style-type: none"> <li>a. inspected and cleaned to remove any foreign material internal to the unit;</li> <li>b. pass acceptance test and/or inspection requirements;</li> <li>c. be reconditioned so that corrosion is removed and corrosion protection, conformal coating, and sealing requirements are reinstated;</li> <li>d. have cosmetic deficiencies, paint, labels, safety wire, etc., corrected in a good workmanship manner;</li> <li>e. have all defective components replaced;</li> <li>f. have the item returned to an original configuration; and</li> <li>g. ensure that the required loose parts normally supplied with a new component are provided if specified on the purchase order.</li> </ul> <p>An acceptance test or inspection report signed by a responsible inspection/test person stating compliance to the specifics of this Quality Clause requirement along with reference to the Purchase Order and Part Number shall be returned with the item. The report supplied shall also include the nature of the failure, if able to determine, the specific rework required and completed in addition to a certification statement by the Seller attesting to the compliance with this Quality Clause and Purchase Order requirements.</p> <p>If the returned part is replaced with a new part, the part shall:</p> <ul style="list-style-type: none"> <li>a. pass acceptance test and/or inspection requirements; and</li> <li>b. have the required loose parts normally supplied with a new component, if specified on the purchase order</li> </ul> <p>An acceptance test or inspection report signed by a responsible inspection/test person stating compliance to the specifics of this Quality Clause requirement and Purchase Order requirements along with reference to the Purchase Order and Part Number shall be returned with the item. The report supplied shall also include the nature of the failure, if able to determine.</p>
T107	Test Requirements-Test Fixture Required	Supplier shall functionally test assembly with Textron Systems-supplied procedure and fixture. Contact Textron Systems Buyer for fixture and procedure if necessary.

T109	Test Requirements-SEM analysis for wafer lots required. Textron Systems approval prior to SEM Analysis required.	Supplier shall provide results of Scanning Electron Microscope (SEM) analysis for wafer lots. Supplier shall obtain Textron Systems approval prior to conducting SEM Analysis.
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T110	Test Requirements- Repaired or Returned Unit(s), Product Quality Deficiency Report (PQDR) or other Formal Engineering Investigation (EI)	<p>The item returned under this purchase order is under Textron Systems investigation as an end-user product quality deficiency report (PQDR) or other formal engineering investigation (EI). The Supplier shall perform initial investigation to confirm the failure and identify the root cause to a level of detail agreed to with Textron Systems Quality Engineering. The Supplier shall document the results of this initial investigation and provide a preliminary failure analysis report (FAR) for review and approval by Textron Systems Quality Engineering. The preliminary FAR shall be provided on Textron Systems form M-546, or equivalent supplier format.</p> <p>The supplier shall not proceed with repair or return of the unit until Textron Systems Quality Engineering approves the preliminary far and provides written authorization to proceed.</p> <p>In support of this requirement, the Supplier shall comply with the following:</p> <ol style="list-style-type: none"> <li>(1) Perform an initial investigation to verify the failure and identify the failing replaceable assembly or component.</li> <li>(2) Failure verification must be performed before repair/cleaning of the unit.</li> <li>(3) Upon failure verification, perform analysis as required to identify the root cause of the failure to a level agreed to with Textron Systems Quality Engineering.</li> <li>(4) Draft the preliminary FAR by completing the applicable fields of the form M-546, and including (or attaching) a detailed description of the investigation performed and the identified root cause.</li> <li>(5) If no fault is found, document on the preliminary FAR the evaluation steps that were performed to reach this conclusion.</li> <li>(6) The preliminary FAR shall be emailed to the Textron Systems Quality Engineering at <a href="mailto:supplierquality@textronsystems.com">supplierquality@textronsystems.com</a>.</li> <li>(7) The supplier shall not proceed with repair or return of the PQDR/EI unit until Textron Systems Quality Engineering approves the preliminary far and provides written authorization to proceed.</li> <li>(8) After receiving approval of the preliminary FAR, and upon subsequent completion of the repair, the Supplier shall document repair and test actions taken on the FAR. The completed final FAR shall be emailed to the above address and returned in the shipment with the item</li> <li>(9) The Supplier shall notify Textron Systems of receipt of exhibit within 5 calendar days of that receipt. Notification shall be emailed to the above address. As part of this notification, the Supplier shall provide contact information for the employee assigned to conduct the PQDR/EI investigation. (Updated 10/10/2022)</li> </ol>
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		<p>(10) Textron Systems must provide to its DCMA and other stakeholders with regular progress reports on all open PQDR/EI investigations. In support of this requirement, the Supplier shall provide Textron Systems with a Status and Progress Report of the investigation every 20 calendar days, beginning 20 calendar days after receipt of exhibit. Content of the Status and Progress Report shall include, but not be limited to, the following: current plan for the investigation, current location of the exhibit, investigation steps completed during this reporting period, preliminary observations (supported by photographs were appropriate), preliminary findings/conclusions, specific goals and milestones for next 20 calendar day period, expected completion date for the overall investigation, etc. Status and Progress Reports shall be emailed to the above address. Failure to provide an achievable plan and to show continual progress on the investigation may result in a corrective action request (CAR) issued by Textron Systems and/or DCMA. (Updated 10/10/2022)</p>
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T111	Test Requirements - Particle Impact Noise Detection (PIND) Test Required	<p>This part has been identified as containing a cavity construction. Seller shall perform a Particle Impact Noise Detection (PIND) test in accordance with the requirements of the applicable mil-spec or an equivalent procedure approved by Textron Systems. Test results shall be submitted via e-mail to:</p> <p>supplierquality@textronsystems.com</p>
T201	Calibration - Short Form Calibration Test Data Report Required	<p>A signed calibration "short form" certification/data sheet, identified to its related unit and attesting to the satisfactory calibration to, ISO 9001, AS 9100, ISO 10012, ISO 17025 and/or ANSI/NCSL Z540-1-1996 Handbook, ANSI/NCSL Z540-2-1997 - Guide, ANSI/NCSL Z540-3-2006 - Calibration requirements, as applicable, shall accompany each shipment. The calibration certification/data sheets shall reflect the actual calibration results of the "after"/"as left" data. The unit being certified shall have a vendor supplied calibration sticker, affixed on a visible part of the unit, which shall include the date of the certification.</p>
T202	Calibration - Long Form Calibration Test Data Report Required	<p>Upon completing the calibration of deliverable Inspection, Measuring and Test Equipment (IMTE), a signed "long form" calibration test data report of actual results attesting to the satisfactory calibration of the equipment shall be shipped/returned with the equipment along with a calibration certification that is traceable to the test data. The report shall contain the "As Received/As Found" and "As Left" condition and supporting "before and after" data as applicable to the purchase, i.e. service/new hardware. If Textron System provided IMTE has failed calibration, all test data actual results shall be provided. Failed equipment shall be physically identified as failed/rejected and traceable to their test data. New purchased parts and new IMTE do not require before data. The report shall provide an estimate of the uncertainty (limit of error), the calibration results, and statement that the equipment was calibrated to meet or exceed the original manufacturer specifications and stated accuracy. The report shall identify the date of the equipment calibration and shall also attest that the standards used in obtaining the results are traceable and have been compared at planned intervals with the National Institute of Standards and Technology (NIST), either directly or through a controlled system using the methods outlined in ISO 9001, AS 9100, ISO 10012, ISO 17025 and/or ANSI/NCSL Z540-1-1996 Handbook, ANSI/NCSL Z540-2-1997 - Guide, ANSI/NCSL Z540-3-2006 - Calibration, requirements, as applicable. The report shall also specify the name/identity of the person performing the calibration and shall be signed by a responsible representative and dated.</p>

T203	Calibration - Certification of Calibration Required	<p>Certificate of Calibration is required on all Test, Development and Measuring Devices (TMDE). The C-of-C shall be dated and signed with the title of the Supplier's Representative and shall include the following:</p> <ul style="list-style-type: none"> <li>a. Serial Number of the Gage</li> <li>b. NIST Number (or equivalent)</li> <li>c. Calibration Date</li> <li>d. Environmental Conditions.</li> </ul> <p>The supplier must include a copy of the certificate with each shipment or email a copy to:</p> <p>supplierquality@textronsystems.com</p>
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Additional PO Codes:

11

To Supplier

Additional Inspections are required. Specific instructions are to be placed in the Purchase Order Notes section for that Item or on an attached II (Inspection Instruction).

13

To Supplier

Supplier will deliver maximum Quantity for minimum charge.

1B

To Supplier

SHIP VIA SECOND DAY AIR FEDERAL EXPRESS COLLECT (NO C.O.D., FREIGHT ONLY). CONTACT TEXTRON SYSTEMS BUYER FOR TEXTRON SYSTEMS ACCOUNT NUMBER. (Rev. 6 Jan 2020)

1G

To Supplier

SHIP VIA STANDARD OVERNIGHT AIR FEDERAL EXPRESS COLLECT (NO C.O.D., FREIGHT ONLY). CONTACT TEXTRON SYSTEMS BUYER FOR TEXTRON SYSTEMS ACCOUNT NUMBER. (Rev. 6 Jan 2020)

1H

To Supplier

VENDOR MUST MARK THE SHIPPING CONTAINER WITH A WARNING LABEL THAT IDENTIFIES THE CONTENTS AS REQUIRING SPECIAL HANDLING. EXAMPLES INCLUDE BUT ARE NOT LIMITED TO: FRAGILE, FRAGILE GLASS, HANDLE WITH CARE, ETC. (Rev: April 2014)

1LOT

To Supplier

Supplier shall provide a singular lot for all line item instances of this part number specified on the RFQ/Purchase Order. If a singular lot code cannot be provided, and on-hand material is available for immediate shipment, this may be acceptable. Contact the buyer for approval.

(Date Rev. 13-FEB-2023)

1S

To Supplier

SOURCE INSPECTION SHALL BE PERFORMED BY TEXTRON SYSTEMS AT THE SUPPLIER'S FACILITY PRIOR TO FINAL APPLICATION OF FINISH COAT. THE SUPPLIER SHALL NOTIFY TEXTRON SYSTEMS'S SUPPLIER QUALITY AND PROCUREMENT GROUPS FIVE (5) DAYS IN ADVANCE OF PROJECTED INSPECTION DATE. SUPPLIER SHALL PROVIDE TO THE TEXTRON SYSTEMS SOURCE INSPECTOR THE RESULTS OF THE SUPPLIERS INSPECTION/TEST. (Rev. 6 Jan 2020)

1T

To Supplier

SPECIAL INSTRUCTIONS - SUPPLIER:

WHEN WELDING IS REQUIRED, THE BUYER WILL SEND THE SUPPLIER TEXTRON SYSTEMS FORM # M-689 "SUPPLIER WELDING QUALITY REQUIREMENTS". SUPPLIER SHALL SUBMIT THE REQUESTED INFORMATION THAT WAS IDENTIFIED ON THE M-689 TO TEXTRON SYSTEMS BUYER FOR REVIEW AND ACCEPTANCE BY TEXTRON SYSTEMS WELD MANAGER. THE SUPPLIER MUST WAIT FOR APPROVAL BY TEXTRON SYSTEMS WELD MANAGER PRIOR TO STARTING WORK. (Rev. 6 Jan 2020)

1Y

To Supplier

WHEN SERIALIZATION IS REQUIRED: "PART/COMPONENT SERIAL NUMBERS MUST BE BAR CODED ON SUPPLIER'S PACKING LIST AND/OR CERTIFICATION ACCOMPANYING SHIPMENT". BAR CODED SERIAL NUMBERS MUST ALSO BE PLACED ON OUTSIDE PACKAGING.

1Z

To Supplier

\* \* \* \* ACCEPTANCE CRITERIA \* \* \* \*

ACCEPTANCE OF THE CONTRACT ITEM(S) SUBJECT OF THIS PURCHASE ORDER SHALL, AS A MINIMUM, BE BASED UPON VERIFICATION THAT THE CONTRACT ITEM(S) MEET THE SELLER'S ADVERTISED PERFORMANCE SPECIFICATIONS. ANY SUPPLEMENTAL ACCEPTANCE CRITERIA OR ACCEPTANCE TESTING METHOD SUBMITTED BY BUYER TO SELLER AND INCORPORATED INTO THE TERMS, CONDITIONS AND INSTRUCTIONS OF THIS PURCHASE ORDER, SHALL TAKE PRECEDENCE AND GOVERN THE ACCEPTANCE OF THE CONTRACT ITEM(S). WHEN IN CONFLICT WITH SELLER'S ACCEPTANCE CRITERIA, BUYER'S ACCEPTANCE CRITERIA OR ACCEPTANCE TESTING METHOD SHALL TAKE PRECEDENCE.

2A

To Supplier

The Seller is required to store and provide upon TEXTRON SYSTEMS or Government request Chemical and/or Physical Test/Analysis reports as Objective Quality Evidence (OQE) to certify that all applicable drawings, specifications, materials, parts and processes, contained or referenced in TEXTRON SYSTEMS' purchase order comply with the specified requirements. (Rev. 26-APR-2021)

2D

To Supplier

Please attach code C.

2J

To Supplier

STATISTICAL PROCESS CONTROL (SPC) IS REQUIRED ON THIS CONTRACT. ALL LOTS SUBMITTED TO TEXTRON SYSTEMS FOR ACCEPTANCE MUST INCLUDE COPIES OF SPC DOCUMENTATION (CHARTS, NOTES, ETC.). (Rev. 6 Jan 2020)

2M

To Supplier

Note: Mechanical Inspection Data required. Supplier shall perform 100% Inspection of all Mechanical/Dimensional features on the first part from each of the Part Numbers on order (this includes all lower level Manufactured or Fabricated parts) and supply a report containing the minimum information as defined on a Textron Systems Inspection Instruction (II) which shall be attached with the RFQ or Purchase Order. (Rev. 12-30-2009)

2O

To Supplier

THIS DRAWING CONTAINS KEY CHARACTERISTICS REQUIRING VARIATION MANAGEMENT. IT IS THE SUPPLIER'S RESPONSIBILITY TO ESTABLISH A TEXTRON SYSTEMS QUALITY ENGINEERING APPROVED CONTROL PLAN PRIOR TO

PRODUCTION. FOR MORE INFORMATION REFER TO TEXTRON SYSTEMS PROCESS GUIDE SYSPG-0010 (BASED ON SAE AS9103). (Rev. 6 Jan 2020)

2P

To Supplier

FINAL INSPECTION BY TEXTRON SYSTEMS CORPORATION D/B/A TEXTRON SYSTEMS WILL BE AT THE SELLER'S FACILITY. NOTIFY TEXTRON'S SUPPLIER QUALITY AND PROCUREMENT GROUPS SEVEN (7) WORK DAYS PRIOR TO SHIPMENT USING M-791 FORM. SUPPLIER SHALL HAVE AVAILABLE AND WILL PRESENT, UP ON REQUEST, DOCUMENTED EVIDENCE OF THE INSPECTION/TEST PERFORMANCE. SUPPLIER SHALL OBTAIN APPROVAL PRIOR TO SHIPMENT VIA SOURCE INSPECTION WAIVER (M-785) FORM OR PROVIDE EVIDENCE ON SHIPPING DOCUMENTS THAT AN ON-SITE SOURCE INSPECTION WAS COMPLETED BY TEXTRON QUALITY REPRESENTATIVE. (Rev. 6 Jan 2020)

2Q

To Supplier

SOURCE INSPECTION SHALL BE CONDUCTED BY TEXTRON SYSTEMS AT THE SUPPLIER'S FACILITY, INCLUDING IN-PROCESS AND FINAL INSPECTION OF ITEMS DEFINED IN THIS PURCHASE ORDER. PRIOR TO PRODUCTION, THE SUPPLIER SHALL CONTACT THE TEXTRON SYSTEMS BUYER SO THAT MANDATORY INSPECTION/HOLD POINTS CAN BE DEFINED BY TEXTRON SYSTEMS' SUPPLIER QA GROUP. SUPPLIER SHALL NOTIFY TEXTRON SYSTEMS' SUPPLIER QA GROUP 7 DAYS PRIOR TO TIME FOR AGREED UPON INSPECTION POINTS. ON DATE OF SOURCE INSPECTION SUPPLIER SHALL HAVE AVAILABLE AND SHALL PRESENT UPON REQUEST, DOCUMENTED EVIDENCE OF REQUIRED INSPECTION AND TESTS. NOTIFY TEXTRON SYSTEMS USING M-791 FORM FOR BOTH IN-PROCESS AND FINAL SOURCE INSPECTIONS. SUPPLIER SHALL OBTAIN APPROVAL PRIOR TO SHIPMENT VIA SOURCE INSPECTION WAIVER (M-785) FORM OR PROVIDE EVIDENCE ON SHIPPING DOCUMENTS THAT AN ONSITE SOURCE INSPECTION WAS COMPLETED BY TEXTRON SYSTEMS' QUALITY REPRESENTATIVE (Rev. 6 Jan 2020)

2R

To Supplier

ANNUAL GOVERNMENT PROCESS REVIEW IS REQUIRED PRIOR TO SHIPMENT FROM YOUR FACILITY. UPON RECEIPT OF THIS ORDER, REVIEW THE DEFENSE PRIORITY RATING. IF IT IS 'UNRATED', THIS MEANS THE PO IS FOR A NON-GOVERNMENT CONTRACT; PROMPTLY NOTIFY THE BUYER TO RESOLVE THE DISCREPANCY.

OTHERWISE, PROMPTLY NOTIFY THE GOVERNMENT REPRESENTATIVE WHO NORMALLY SERVICES YOUR FACILITY SO THAT APPROPRIATE PLANNING FOR THE ANNUAL GOVERNMENT PROCESS REVIEW CAN BE OR HAS BEEN ACCOMPLISHED. PRIOR TO SHIPMENT, SUPPLIER IS REQUIRED TO ENSURE A GOVERNMENT PROCESS REVIEW HAS BEEN COMPLETED WITHIN THE PAST YEAR. IN THE EVENT FINDINGS ARE DISCOVERED DURING THE ANNUAL REVIEW

OR NONCONFORMANCES DISCOVERED IN THE PRODUCT, DCMA, SUPPLIER, AND TEXTRON SYSTEMS WILL COORDINATE ON ADDITIONAL ACTIONS. IN THE EVENT THAT THE REPRESENTATIVE OF OFFICE CANNOT BE LOCATED, THE BUYER SHALL BE NOTIFIED IMMEDIATELY. A COPY OF THIS ORDER HAS BEEN PROVIDED TO DCMA BALTIMORE BY THE TEXTRON SYSTEMS' BUYER. (Updated 8/15/2023)

2R Code N/A

To Supplier

Code 2R (Government Source Inspection) is not applicable to this line item.

2S

To Supplier

ACCEPTANCE CRITERIA: ACCEPTANCE OF THE ITEM(S) SPECIFIED BY THIS PURCHASE ORDER SHALL, AS A MINIMUM, BE CONTINGENT UPON VERIFICATION THAT ALL ITEMS MEET OR EXCEED THE PERFORMANCE SPECIFICATIONS ADVERTISED BY THE MANUFACTURER.

2T

To Supplier

The Supplier shall provide a Failure Analysis Report of this item. The Failure Analysis Report shall incorporate the following:

- 1) Verify failure before repair/cleaning of the unit.
- 2) If no fault is found, provide evaluation steps that were performed to reach this conclusion.
- 3) After failure analysis and concurrent with repair of this unit, provide analysis results on form M-546, Textron Systems notification or equivalent supplier format.
- 4) The Failure Analysis Report shall contain either Textron Systems PO Number or Textron Systems part number.
- 5) The failure analysis shall be emailed to [SUPPLIERQUALITY@TEXTRONSYSTEMS.COM](mailto:SUPPLIERQUALITY@TEXTRONSYSTEMS.COM).
- 6) Upon completion of the repair, add repair and test actions to failure analysis report.
- 7) This completed report shall be returned in the shipment with the repaired item.

(Rev. 6 Jan 2020)

2T GE

To Supplier

The Supplier shall provide a Failure Analysis Report of this item. The Failure Analysis Report shall incorporate the following:

- 1) Verify failure before repair/cleaning of the unit.
- 2) If no fault is found, provide evaluation steps that were performed to reach this conclusion.
- 3) After failure analysis and concurrent with repair of this unit, provide analysis results on form M-546, Textron Systems notification or equivalent supplier format.

- 4) The Failure Analysis Report shall contain either Textron Systems PO Number or Textron Systems part number.
  - 5) The Failure Analysis Report shall be emailed to BOTH SUPPLIERQUALITY@TEXTRONSYSTEMS.COM AND TEXTRON\_GRAY\_EAGLE\_FRACAS@TEXTRONSYSTEMS.COM.
  - 6) Upon completion of the repair, add repair and test actions to failure analysis report.
  - 7) This completed report shall be returned in the shipment with the repaired item.
- (Rev. 6 Jan 2020)

2X

To Supplier

A copy of the Supplier's Special Process Certification shall be provided prior to placement of the Purchase Order. (modified date: 23-Dec-09)

3B

To Supplier

3B: Battery Charge.

Vendor shall provide the following with each shipment supplied to Textron:

- 1) Date of the next required charge or date of last charge.
- 2) Textron Systems Purchase Order Number.
- 3) MIL-SPEC or Part Number as applicable.
- 4) At least 75% of the charge interval remaining. (For example: if charge interval is one (1) year, battery must have at least 9 months before next required charge.)

(Rev. 6 Jan 2020)

3C

To Supplier

A. SHELF LIFE MATERIAL

THE VENDOR SHALL PROVIDE THE FOLLOWING INFORMATION WITH EACH SHIPMENT SUPPLIED TO TEXTRON SYSTEMS.

1. THE EXPIRATION DATE and/or DATE OF MANUFACTURE.
  2. TEXTRON SYSTEMS PURCHASE ORDER NUMBER.
  3. MIL-SPEC OR PART NUMBER AS APPLICABLE.
  4. AT LEAST 75% OF THE SHELF LIFE MUST BE REMAINING ON THE MATERIAL.
- B. MATERIAL FURNISHED IN KITS CONSISTING OF TWO OR MORE COMPONENTS SHALL HAVE THE EXPIRATION DATE OF THE EARLIEST COMPOUND. (EXAMPLE: PART A HAS EXPIRATION OF 1/1/2017; PART B HAS EXPIRATION OF 12/1/2016. PART B SHALL BE THE EXPIRATION DATE FOR THE PRODUCT.) (Rev date: 13-Dec-2017).

3E

To Supplier

VENDOR TO PERFORM COATING ADHESION HEAT TEST PER ASTM B488-01 ON 100% OF ALL ITEMS AND TO PROVIDE OBJECTIVE QUALITY EVIDENCE.

3Q

To Supplier

Attention Supplier: Package must be marked that indicates refrigerated storage is required. Attention Textron Systems Receiving/ Receiving Inspection: Item requires refrigerated storage. (Rev. 6 Jan 2020)

3T

To Supplier

\* SPECIAL INSTRUCTION - SUPPLIER \*

ALL MATERIAL FURNISHED IN ACCORDANCE WITH THIS PURCHASE ORDER MUST BE FREE OF MERCURY CONTAMINANTS. THE UTILIZATION OF MERCURIAL THERMOMETERS AND/OR INSTRUMENTS IN THE MANUFACTURE OR TESTING OF THIS MATERIAL IS PROHIBITED. EVIDENCE OF THE USE THEREOF SHALL BE CAUSE FOR REJECTION OF ANY OR ALL OF THIS MATERIAL.

4B

To Supplier

4B: Battery Charge.

Vendor shall provide the following with each shipment supplied to Textron:

- 1) Date of the next required charge or date of last charge.
- 2) Textron Systems Purchase Order number.
- 3) MIL-SPEC or Part Number as applicable.
- 4) At least 60% of the charge interval remaining. (for example: if charge interval is one (1) year, battery must have at least 9 months before next required charge). (Rev. 6 Jan 2020)

4G

To Supplier

4G Certificate of Calibration is required on all Test, Development and Measuring Devices (TMDE). The C-of-C shall be dated and signed with the title of the Supplier's Representative and shall include the following: Serial Number of the Gage, NIST Number (or equivalent), Calibration Date, and Environmental Conditions. The supplier must include a copy of the certificate with each shipment or email a copy to SUPPLIERQUALITY@TEXTRONSYSYSTEMS.COM. (revised Jan 24, 2022)

4M

To Supplier

Supplier Quality Assurance Requirements (SQAR) document QA-SP47 applies to this order, a copy of which may be found at Textron Systems Website:

<http://www.textron.com/who-we-are/supplier-information/supplier-quality>

(Rev. 6 Jan 2020)

4P

To Supplier

A. SHELF LIFE MATERIAL

THE VENDOR SHALL PROVIDE THE FOLLOWING INFORMATION WITH EACH SHIPMENT SUPPLIED TO TEXTRON SYSTEMS.

1. THE EXPIRATION DATE and/or DATE OF MANUFACTURE.

2. TEXTRON SYSTEMS PURCHASE ORDER NUMBER.

3. MIL-SPEC OR PART NUMBER AS APPLICABLE.

4. AT LEAST 60% OF THE SHELF LIFE MUST BE REMAINING ON THE MATERIAL.

B. MATERIAL FURNISHED IN KITS CONSISTING OF TWO OR MORE COMPONENTS SHALL HAVE THE EXPIRATION DATE OF THE EARLIEST COMPOUND. (EXAMPLE: PART A HAS EXPIRATION OF 1/1/2017; PART B HAS EXPIRATION OF 12/1/2016. PART B SHALL BE THE EXPIRATION DATE FOR THE PRODUCT.) (Rev. 6 Jan 2020)

4U

To Supplier

THE SUPPLIER SHALL HAVE AN ELECTROSTATIC DISCHARGE PROGRAM THAT MEETS THE REQUIREMENTS OF MIL-STD-1686 OR ANSI/ESD S20.20 AND IS SUBJECT TO EVALUATION AND APPROVAL BY TEXTRON SYSTEMS. (Updated 3/17/2021)

4V

To Supplier

\*\*\*\*\*

\* MATERIAL REQUIRES SPECIAL ENVIRONMENTALLY-CONTROLLED HANDLING \*

\* AND STORAGE. FREEZER STORAGE IS REQUIRED. \*

\*\*\*\*\*

4Y1

To Supplier

Inspection data for every shipment of parts is required. The supplier shall provide 100% inspection data (measured results) for a minimum of quantity one part on subject PO. The supplier must include a copy of the inspection report with the shipment and email a copy to SUPPLIERQUALITY@TEXTRONSYSTEMS.COM. Supplier is responsible for quality of all parts on subject PO whether providing Textron Systems with measurement data or not, and is expected to apply appropriate process controls and inspections to the product. A supplier MRB Disposition Request must be completed by supplier and approved by Textron Systems in advance of shipment of any parts that are not conforming to the Textron Systems' part specification. (Updated 10/13/20)

4Y2

To Supplier

Inspection data for every shipment of parts is required. The supplier shall provide 100% inspection data (measured results) for a sample of parts defined by an AQL General Inspection Level II of total quantity of parts shipped on PO. The supplier must include a copy of the inspection report with the shipment and email a copy to SUPPLIERQUALITY@TEXTRONSYSTEMS.COM. Supplier is responsible for quality of all parts on subject PO whether providing Textron Systems with measurement data or not, and is expected to apply appropriate process controls and inspections to the product. A supplier MRB Disposition Request must be completed by supplier and approved by Textron Systems in advance of shipment of any parts that are not conforming to the Textron Systems' part specification. (Updated 10/13/20)

4Y3

To Supplier

Inspection data for every shipment of parts is required. The supplier shall provide 100% inspection data (measured results) for a sample of parts defined by an AQL General Inspection Level II of total quantity of parts shipped on PO. The supplier must include a copy of the inspection report with the shipment and email a copy to SUPPLIERQUALITY@TEXTRONSYSTEMS.COM. Supplier is responsible for quality of all parts on subject PO whether providing Textron Systems with measurement data or not and is expected to apply appropriate process controls and inspections to the product. A supplier MRB Disposition Request must be completed by supplier and approved by Textron Systems in advance of shipment of any parts that are not conforming to the Textron Systems' part specification. (Created 5/6/22)

4Y5

To Supplier

A Qty 5 Piece Sample Size First Article Inspection (FAI) report is required to be submitted for First Article Inspection PO Codes B9 Full and/or B9 Partial. This requirement supersedes the Qty 1 Piece Sample Size requirement called out in B9 Full and B9 Partial PO Codes. See B9 Full or B9 Partial for all other First Article Inspection requirements. (REV 06/02/2021)

5D

To Supplier

SELLER ACCEPTS FULL RESPONSIBILITY FOR ALL TEXTRON SYSTEMS (BUYER) FURNISHED MATERIALS. BUYER FURNISHED MATERIALS WHICH ARE LOST OR DAMAGED SHALL BE REPORTED (IN WRITING) TO BUYER AT ONCE. SELLER SHALL BE RESPONSIBLE FOR THE FULL REPLACEMENT VALUE OF SUCH LOST OR DAMAGED MATERIALS, INCLUDING BUT NOT NECESSARILY LIMITED TO; COSTS FOR THE MATERIAL, TRANSPORTATION, INSPECTION, TESTING, CERTIFICATION AND TRACEABILITY, IF ANY. (Rev. 6 Jan 2020)

5H

To Supplier

NECESSARY PATTERN EQUIPMENT IS PRESENTLY IN THE POSSESSION OF THE SELLER.

5K

To Supplier

THE TOOLING SPECIFIED BY THIS PURCHASE SHALL BECOME THE PROPERTY OF TEXTRON SYSTEMS CORPORATION. RIGHTS TO SAID PROPERTY MAY BE EXTENDED TO THE UNITED STATES GOVERNMENT WITHOUT FURTHER NOTICE TO SELLER. IN CONSIDERATION OF THE TOOLING PRICES SPECIFIED BY THIS PURCHASE ORDER, OR AS OTHERWISE INCLUDED AS AN AMORTIZED COMPONENT OF THE UNIT PRICE OF THE DELIVERABLE(S), THE SELLER IS REQUIRED TO PROVIDE ADEQUATE PROTECTION FROM PHYSICAL DAMAGE AND FINANCIAL LOSS BY ASSURING PROPER STORAGE, PACKAGING AND INSURANCE AT ALL TIMES WHILE THE TOOLING IS UNDER CONTROL OF THE SELLER. (Rev. 6 Jan 2020)

5M

To Supplier

THE BUYER SHALL FURNISH ALL REQUIRED TOOLING. THE SELLER IS HELD RESPONSIBLE FOR THE ADEQUACY OF THE TOOLING IN ACCORDANCE WITH PROPER DRAWINGS AND TO ADVISE IN THE EVENT OF ANY DISCREPANCIES.

5W

To Supplier

EXPLOSIVES--HAZARDOUS MATERIAL--CLASS EFFECT ALL DELIVERIES TO MAIN BUILDING LOADING DOCK.

5YR

To Supplier

PART SHALL HAVE A MANUFACTURE DATE OF NO MORE THAN 3 YEARS FROM DATE OF RECEIPT SO THAT TEXTRON CAN CONSUME INTO AN ASSEMBLY WITHIN 5 YEARS FROM MANUFACTURE DATE. THE VENDOR SHALL PROVIDE THE FOLLOWING INFORMATION WITH EACH SHIPMENT SUPPLIED TO TEXTRON SYSTEMS.

1. THE DATE OF MANUFACTURE.
2. TEXTRON SYSTEMS PURCHASE ORDER NUMBER.

3. MIL-SPEC OR PART NUMBER AS APPLICABLE.

4. DATE OF MANUFACTURE SHALL BE NO MORE THAN 3 YEARS FROM DATE OF RECEIPT.

IN THE EVENT THAT THIS REQUIREMENT CAN NOT BE MET, CONTACT THE TEXTRON SYSTEMS BUYER FOR DIRECTION.

PARTS BEING INSTALLED INTO AN ASSEMBLY SHALL BE CONSUMED WITHIN 5 YEARS FROM DATE OF MANUFACTURE. APPLICABLE DOCUMENTATION SHALL BE PROVIDED PER OTHER PURCHASE ORDER CODES AND AT A MINIMUM, MADE AVAILABLE UPON REQUEST.

(Date Rev. 04-JAN-2023)

5Z

To Supplier

THE PRICE TO TEXTRON SYSTEMS FOR PERFORMANCE OF THE WORK UNDER THIS ORDER WILL NOT EXCEED THE AMOUNT SET OUT ABOVE. UPON SATISFACTORY COMPLETION OF THE WORK UNDER THIS ORDER, THE PRICE WILL BE ADJUSTED DOWNWARD ONLY TO REFLECT THE ACTUAL COST INCURRED BY THE VENDOR IN PERFORMANCE OF THE ORDER, PLUS REASONABLE PROFIT; HOWEVER, UNDER NO CIRCUMSTANCES WILL THE PRICE BE GREATER THAN THE "NOT TO EXCEED" AMOUNT. (Rev. 6 Jan 2020)

66

To Supplier

THE PRICE(S) ARE SUBJECT TO ADJUSTMENT BASED ON THE PRECIOUS METAL MARKET ADJUSTMENT SUBSTANTIATED BY THE MANUFACTURER AND/OR DISTRIBUTOR.

6D

To Supplier

THE SELLER SHALL MAINTAIN INSURANCE COVERAGE FOR BOTH BODILY INJURY AND DAMAGE TO TEXTRON SYSTEMS AND GOVERNMENT PROPERTY AND PROPERTY OF THIRD PERSONS IN THE FOLLOWING MINIMUM AMOUNTS DURING THE LIFE OF THIS CONTRACT:

WORKER'S COMPENSATION \$100,000

GENERAL LIABILITY \$500,000 PER OCCURRENCE FOR BODILY INJURY

AUTOMOBILE LIABILITY \$200,000 PER PERSON

\$500,000 PER OCCURRENCE FOR BODILY INJURY

\$100,000 PER OCCURENCE FOR PROPERTY DAMAGE

THE SELLER SHALL HOLD THE BUYER FREE OF ANY LIABILITY CLAIM AND/OR DEMANDS DUE TO PERSONAL INJURY, INCLUDING DEATH OR PROPERTY LOSS ARISING OUT OF CONNECTED PERFORMANCE OF THIS SUBCONTRACT OR ORDER. THIS AGREEMENT SHALL HOLD TRUE WHETHER FOREGOING LOSSES BE CAUSED BY NEGLIGENCE OR LACK OF SAFETY PRECAUTIONS BY THE SELLER. THE SELLER SHALL DEFEND ANY AND ALL ACTIONS BASED THEREON, AT HIS OWN EXPENSE. (Rev. 6 Jan 2020)

6G

To Supplier

ALL NEGATIVES, COLOR PHOTO SEPARATIONS, ART BOARDS AND EMBOSSING/STAMPING DIES SHALL BECOME THE PROPERTY OF TEXTRON SYSTEMS CORPORATION AND SHALL BE CONSIDERED DELIVERABLE END-ITEMS UNDER THIS CONTRACT. (Rev. 6 Jan 2020)

6J

To Supplier

THE REPAIR ITEM IS REQUIRED AS U.S. GOVERNMENT SYSTEMS SUPPORT MATERIAL, AND THE SELLER MUST SUBMIT TO THE BUYER, IN WRITING, A COMPLETE BREAKDOWN OF ALL PARTS AND LABOR REQUIRED TO REPAIR, RESTORE AND CALIBRATE THE UNIT TO "READY FOR ISSUE" (R.F.I.) CONDITION. THE BREAKDOWN MUST INCLUDE THE COMPLETE PART NUMBER(S) AND QUANTITIES OF EACH USED IN THE REPAIRING OF THE UNIT AND THEIR LOCATION IN THE UNIT. FORWARD THE BREAKDOWN WITH THE PACKING LIST FOR ACTUAL REPAIRED UNIT. PAYMENT OF THE INVOICE FOR THE REPAIR IS CONTINGENT ON THE ACTUAL RECEIPT OF THIS DATA ITEM.

6P

To Supplier

NOTHING IN THIS OR ANY OTHER PROVISION IN THE AGREEMENT SHALL AT ANY TIME PERMIT ALTERATION OR TERMINATION OF THE RIGHTS OF THE U.S. GOVERNMENT UNDER ANY CONTRACTUAL DELIVERY AND SUB-LICENSE PURSUANT TO DOD FAR SUPP. 52.227-7013 OR SUBSTANTIVELY EQUIVALENT PROVISION UNDER A CONTRACT BETWEEN LICENSEE AND THE U.S. GOVERNMENT. NOTWITHSTANDING ANYTHING HEREIN TO THE CONTRARY, ALL DELIVERIES OF ANY COMPUTER SOFTWARE OR TECHNICAL DATA HEREUNDER BY LICENSEE TO THE U.S. GOVERNMENT SHALL BE GOVERNED SOLELY BY DOD FAR SUPP. 52.227-7013 RIGHTS IN TECHNICAL DATA AND COMPUTER SOFTWARE OR A SUCCESSOR CLAUSE THERETO, AND CONFIDENTIAL PROPRIETARY TECHNICAL DATA AND COMPUTER SOFTWARE PROVIDED BY HEREUNDER AND REDELIVERED BY LICENSEE TO THE U.S. GOVERNMENT SHALL BE DELIVERED TO THE U.S. GOVERNMENT THEREUNDER WITH LIMITED RIGHTS AS TO CONFIDENTIAL PROPRIETARY TECHNICAL DATA AND WITH RESTRICTED RIGHTS AS TO COMPUTER SOFTWARE, WHICH RESTRICTED RIGHTS SHALL BE THOSE MINIMUM RESTRICTED RIGHTS AS ARE SET FORTH IN DOD FAR SUPP. 52.227-7013 OR ITS SUCCESSOR CLAUSE. TERMINATION OF ANY LICENSE OR LICENSEE SHALL HAVE NO EFFECT ON THE GOVERNMENT'S RIGHTS AS TO COMPUTER SOFTWARE AND TECHNICAL DATA FURNISHED TO THE U.S. GOVERNMENT UNDER DOD FAR SUPP. 52.227-7013 OR A SUCCESSOR CLAUSE THERETO.

6Q

To Supplier

IN-PROCESS SOURCE INSPECTION SHALL BE CONDUCTED BY TEXTRON SYSTEMS AT THE SUPPLIER'S FACILITY ON ITEMS DEFINED IN THIS PURCHASE ORDER. PRIOR TO PRODUCTION, THE SUPPLIER SHALL PROVIDE THE TEXTRON SYSTEMS BUYER A MANUFACTURING SCHEDULE WITH SUFFICIENT DETAIL SO THAT MANDATORY INSPECTION/HOLD POINTS CAN BE DEFINED BY TEXTRON SYSTEMS SUPPLIER QA GROUP. SUPPLIER SHALL NOTIFY TEXTRON SYSTEMS'S SUPPLIER QUALITY AND PROCUREMENT GROUPS 7 DAYS PRIOR TO TIME FOR AGREED UPON INSPECTION POINTS. ON DATE OF SOURCE INSPECTION SUPPLIER SHALL HAVE AVAILABLE AND SHALL PRESENT UPON REQUEST, DOCUMENTED EVIDENCE OF REQUIRED INSPECTION AND TESTS. (Rev. 6 Jan 2020)

6Y

To Supplier

Traceability to the C of C is required; either on the C of C or via accompanying documentation that can be traced back to the C of C such as the PO number and shall include either of the following:

- 1) Lot Controlled Items: Manufacturer's lot OR batch number OR job number OR Manufacturing Date.
- 2) Serialized Items: Manufacturing date AND Serial Number.

(Rev: 4/18/2023)

6Z

To Supplier

ABOVE WIRE/CABLE LENGTHS SUBJECT TO A TOLERANCE OF PLUS OR MINUS 10%.

7B

To Supplier

A. SHELF LIFE MATERIAL

THE VENDOR SHALL PROVIDE THE FOLLOWING INFORMATION WITH EACH SHIPMENT SUPPLIED TO TEXTRON SYSTEMS.

1. THE EXPIRATION DATE and/or DATE OF MANUFACTURE.
  2. TEXTRON SYSTEMS PURCHASE ORDER NUMBER.
  3. MIL-SPEC OR PART NUMBER AS APPLICABLE.
  4. AT LEAST 95% OF THE SHELF LIFE MUST BE REMAINING ON THE MATERIAL.
- B. MATERIAL FURNISHED IN KITS CONSISTING OF TWO OR MORE COMPONENTS SHALL HAVE THE EXPIRATION DATE OF THE EARLIEST COMPOUND. (EXAMPLE: PART A HAS EXPIRATION OF 1/1/2017; PART B HAS EXPIRATION OF 12/1/2016. PART B SHALL BE THE EXPIRATION DATE FOR THE PRODUCT.) (Rev. 6 Jan 2020)

7D

To Supplier

\*\*\*\*\*

\* \*  
\* TEXTRON SYSTEMS FURNISHED MATERIAL WILL BE DROP SHIPPED DIRECTLY \*  
\* \*  
\* UPON RECEIPT OF THE MATERIAL, SEND ACCOMPANYING PACKING \*  
\* LIST(S) AND CERTIFICATION(S) TO BUYER'S ATTENTION. \*  
\* \*

\*\*\*\*\*

(Rev. 6 Jan 2020)

7E

To Supplier

ITEM(S) PURCHASED ON THIS ORDER REPRESENT TEXTRON SYSTEMS CONTRACT LINE ITEMS OR PARTS THEREOF TO BE SHIPPED DIRECTLY TO TEXTRON SYSTEMS'S CUSTOMER NOTED IN THE "SHIP TO" BLOCK IN THE UPPER RIGHT CORNER OF THE ORDER. UPON SHIPMENT, THE SELLER SHALL FORWARD COPIES OF THE FOLLOWING DOCUMENTS TO THE BUYER'S ATTENTION:

- 1. PACKING LIST(S) AND/OR DD FORM 250 AS APPLICABLE.
- 2. BILLS OF LADING.

(Rev. 6 Jan 2020)

7M

To Supplier

AS A CONDITION PRECEDENT TO CONTRACTOR'S ENTITLEMENT TO FINAL PAYMENT FROM TEXTRON SYSTEMS, CONTRACTOR SHALL TENDER TO TEXTRON SYSTEMS FULL AND COMPLETE WAIVERS AND RELEASES OF ALL LIENS AND CLAIMS INCLUDING LIENS AND CLAIMS OF HIS SUBCONTRACTORS AND MATERIALMEN IN A FORM OR FORMS SATISFACTORY TO TEXTRON SYSTEMS. CONTRACTOR HEREBY PROMISES TO TENDER SUCH WAIVERS AND RELEASES TO TEXTRON SYSTEMS. SAID WAIVERS AND RELEASES AND THE FINAL PAYMENT SHALL EACH BE ADDITIONAL MUTUAL CONSIDERATION FOR THE TENDER OF THE OTHER. (Rev. 6 Jan 2020)

7N

To Supplier

TO SUPPLIER: MARK OUTSIDE OF SHIPPING CONTAINER(S) WITH THE ATTENTION LABEL SHOWN BELOW:

\*\*\*\*\*

ATTENTION:

THIS PACKAGE CONTAINS  
HYBRID DEVICES THAT REQUIRE  
SPECIAL HANDLING/STORAGE

\*\*\*\*\*

(Rev. 18July2016)

7P

To Supplier

The seller is required to submit acceptance test data records, indicating the parameters tested, the Textron Systems PO Number or Textron Systems part number, actual results recorded, and the acceptance criteria, for each unit shipped under this order. The supplier must include a copy of the test data with each shipment or Supplier may alternately submit digitally through Textron Systems Supplier portal prior to shipment.

7Q

To Supplier

Certification of Conformance Requirements

The SELLER is required to submit a "CERTIFICATION OF CONFORMANCE" as Objective Quality Evidence (OQE) to attest that all materials, components, assemblies and services delivered to Textron Systems in performance of this order comply with the requirements of the ORDER, including but not limited to; all applicable drawings and specifications, materials and part requirements, and processes contained or referenced therein.

FAILURE TO SUPPLY THE REQUIRED CERTIFICATION WILL BE CAUSE FOR REJECTION OF SHIPMENT AND WILL DELAY PAYMENT OF INVOICES.

At a MINIMUM, the certification shall:

- Accompany each shipment of material.
- Be formatted on Seller's company standard form or Seller's company letterhead.
- Reference the Part Number as listed on the Purchase Order.
- Include the name or stamp of the Authorized Seller Representative responsible for validity of the certification. (Revision: 26-APR-2021)

7QAT

To Supplier

Certification of Conformance with acquisition Traceability (CoCT) Requirements. The Seller (franchised/authorized distributor) is required to submit with each shipment a "CERTIFICATION OF CONFORMANCE with acquisition TRACEABILITY" as Objective Quality Evidence (OQE) to Textron

Systems. FAILURE TO SUPPLY THE REQUIRED CERTIFICATION WILL BE CAUSE FOR REJECTION OF SHIPMENT AND WILL DELAY PAYMENT OF INVOICES. At a MINIMUM, the CoCT certification shall include the following:

- a) Name, address, and phone number of the OCM franchised/authorized distributor, (Seller)
- b) Statement that the distributor is an OCM authorized source, (Seller)
- c) Textron Systems (Buyer) purchase order and line-item number
- d) Part number
- e) Part Manufacturer, (OCM)
- f) Lot code/Date code, as applicable
- g) Quantity
- h) Supplier Quality Assurance (QA) manager Signature or stamp with title of distributor's authorized personnel signing the certificate, date of signing, and a statement attesting that Goods provided under this contract conform to all purchase order requirements. Certificates utilizing secured computer-generated signatures with title of Seller's authorized personnel are acceptable.
- i) CoCT Date  
(Date Rev. 22-APR-2022)

7QT

To Supplier

Certification of Conformance Requirements. The SELLER is required to submit with each shipment a "CERTIFICATION OF CONFORMANCE" as Objective Quality Evidence (OQE) to attest that all materials, components, assemblies, and services delivered to Textron Systems in performance of this order comply with the requirements of the ORDER, including but not limited to; all applicable drawings and specifications, materials and part requirements, and processes contained or referenced therein. FAILURE TO SUPPLY THE REQUIRED CERTIFICATION WILL BE CAUSE FOR REJECTION OF SHIPMENT AND At a MINIMUM, the CoC certification shall include the following:

- a) Seller's name and address and reference to Buyer's Purchase Contract and line item number, (Seller's company standard form or Seller's company letterhead is acceptable).
- b) Signature or stamp with title of Manufacturer's authorized personnel signing the certificate, date of signing, and a statement attesting that Goods provided under this contract conform to all contract requirements. Certificates utilizing secured computer-generated signatures with title of Seller's authorized personnel are acceptable.
- c) Part number, dash number, and revision number, (as specified by Purchase Order (PO)), for each item
- d) Revision level / version (as specified by PC) to which the Goods were manufactured (or serviced)
- e) Traceability information, if required, representative of each item - to include the lot trace (e.g., date, batch, heat) or the individual item trace (e.g., serial number)
- f) Quantity
- g) When multiple item manufacturers (or service providers) and/or multiple lots are included in one shipment, Seller shall separate and identify respective manufacturer's (or service provider's) lots, and indicate each lot quantity. For Raw materials or blanks/slugs, lots/ingots must be physically separated and identified in separate containers.
- h) Additional documentation requirements defined by the item specification as applicable
- i) CoC Date  
(REV 8/15/2023)

7T

To Supplier

SELLER TO SUBMIT A MATERIAL CERTIFICATION AS OBJECTIVE QUALITY EVIDENCE (OQE) TO CERTIFY THAT ALL APPLICABLE DRAWINGS, SPECIFICATIONS, MATERIALS, PARTS AND PROCESSES, CONTAINED OR REFERENCED IN TEXTRON SYSTEM'S PURCHASE ORDER, COMPLY WITH THE SPECIFIED REQUIREMENTS.

\*\* THE MATERIAL CERTIFICATION SHALL BE SUBMITTED WITH SHIPMENT OF MATERIAL TO TEXTRON SYSTEMS. SUPPLIER MAY ALTERNATELY SUBMIT THE REPORT TO TEXTRON SYSTEMS SUPPLIER QUALITY AT SUPPLIERQUALITY@TEXTRONSYSTEMS.COM, PRIOR TO PRODUCT SHIPMENT.\*\*

(REV DATE: 09-MAY-2023)

7U

To Supplier

Certification of Conformance

The Seller is required to store and provide a Certificate of Conformance upon Textron Systems or Government request. A Certificate of Conformance is not required to be submitted to Textron Systems with parts being shipped.

At a MINIMUM, the Certification shall:

- Be formatted on Seller's company standard form or Seller's company letterhead.
- Reference the Part Number as listed on the Purchase Order.
- Include the name or stamp of the Authorized Seller Representative responsible for validity of the certification. (Rev. 6 Jan 2020)

7V

To Supplier

Supplier is required to mark each "Waffle" or "Gel Pack" packaging unit with applicable Part Number information to positively identify material being provided.

7W

To Supplier

\*\*\*\*\*

\* \* \* \* \*

\* SHIP ONLY THE PART NUMBER(S) \* \* \*

\* SPECIFIED. SUBSTITUTION OF ALTERNATE PART \* \*

\* NUMBER(S) IS STRICTLY PROHIBITED. \* \*

\* \* \* \* \*

\*\*\*\*\*

7Z

To Supplier

SUPPLIER SHALL CERTIFY THAT SOLDER MEETS THE REQUIREMENTS OF QQ-S-571 AND CONTAINS LESS THAN .001 PERCENT SULPHUR AND .01 PERCENT PHOSPHORUS.

81

To Supplier

\*\*\*\*\*

\* IMPORTANT

\* \*  
\* \*  
\* THIS PURCHASE ORDER IS RATED DX. \*  
\* CERTIFIED FOR USE UNDER DPS REGULATION 1. \*  
\* \*  
\* \*

\* YOU ARE REQUIRED TO FOLLOW THE PROVISIONS OF \*  
\* ACM REG. 1 AND OF ALL OTHER APPLICABLE REGULA- \*  
\* TIONS AND ORDERS OF DIBA OBTAINING CONTROLLED \*  
\* MATERIALS AND OTHER PRODUCTS AND MATERIALS \*  
\* NEEDED TO FILL THIS ORDER. \*

\*\*\*\*\*

83

To Supplier

BOARDS SHALL BE FABRICATED IN ACCORDANCE WITH MIL-P-55110. CERTIFICATION TO SPECIFICATION IS REQUIRED.

84

To Supplier

BOARDS SHALL BE FABRICATED IN ACCORDANCE WITH MIL-PRF-31032. CERTIFICATION TO SPECIFICATION IS REQUIRED.

86

To Supplier

ALL SHIPMENTS MUST INCLUDE THE DOD CONTRACT NUMBER AND THE FOLLOWING STATEMENT:  
"U.S. DEPARTMENT OF DEFENSE DUTY FREE ENTRY TO BE CLAIMED PURSUANT TO SCHEDULE 8, PART 3, ITEM 832.00, TARIFF SCHEDULE OF THE UNITED STATES. UPON ARRIVAL OF SHIPMENT AT PORT OF ENTRY, DISTRICT DIRECTOR OF CUSTOMS, KINDLY RELEASE SHIPMENT UNDER SECTION 10.102 CR AND NOTIFY COMMANDER, DCMC NEW YORK, ATTN: CUSTOMS, DIVISION (INTERNATIONAL LOGISTICS DIV), 207 NEW YORK AVE, NEW YORK, NY 10305 FOR EXECUTION OF CUSTOMS FORMS 7501 AND 7501A AND THE DUTY FREE ENTRY CERTIFICATE."

8B

To Supplier

FOR REASONS OF DEFAULT THIS ITEM IS CANCELLED AT NO CHARGE TO TEXTRON SYSTEMS. (Rev. 6 Jan 2020)

8C

To Supplier

SUPPLIER SHALL PROVIDE OBJECTIVE EVIDENCE THAT FLUX, SOLDERING PASTE, OR SOLDER ALLOY MATERIALS MEET THE REQUIREMENTS OF J-STD-004, J-STD-005, J-STD-006, OR EQUIVALENT, AS APPROPRIATE.

8H

To Supplier

Serialization is required: "Parts and Component (If Required) Serial Numbers must be identified on the Part and also on the Supplier's Packing List and/or Certification accompanying the shipment". (Rev. 10-Apr-2015)

8J

To Supplier

THIS ITEM IS FOR THE CALIBRATION, MODIFICATION, EXCHANGE OR REPAIR. THE PRICE HAS BEEN ESTABLISHED AS A NOT-TO-EXCEED ESTIMATE ONLY. THE SELLER IS RESPONSIBLE TO NOTIFY THE BUYER OF THE ACTUAL PRICE PRIOR TO FORWARDING AN INVOICE FOR THIS ITEM.

8K

To Supplier

THE ABOVE MATERIAL IS SUBJECT TO CHEMICAL HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200). TEXTRON SYSTEMS RECEIVING TO NOTIFY SAFETY DEPARTMENT WHEN THE MATERIAL IS DELIVERED. (Rev. 6 Jan 2020)

8U

To Supplier

THE PERCENT RESIN FLOW SHALL BE NO HIGHER THAN 25% ON ALL 7628 PRE-PREG PER MIL-P-13949. MATERIAL REQUIRES SPECIAL ENVIRONMENTALLY-CONTROLLED HANDLING AND STORAGE. SPECIAL STORAGE IS REQUIRED TO KEEP MATERIAL BELOW 70 DEG F TEMPERATURE AND 50% RELATIVE HUMIDITY.

8W

To Supplier

The seller is required to produce and store acceptance test data records, indicating the parameters tested, the actual results recorded, and the acceptance criteria, for each unit shipped under this order. Test data records shall be provided upon TEXTRON SYSTEMS or Government request. (Rev. 06/02/2021)

8X

To Supplier

The Supplier shall complete a Failure Analysis Report on the Item using Textron Systems Form M-546 or equivalent supplier format. This report must be maintained at the supplier and provided to Textron Systems or Government upon request. (Rev. 6 Jan 2020)

9J

To Supplier

THE MATERIALS/SUPPLIES ON THIS ORDER ARE HAZARDOUS OR ENVIRONMENTALLY SENSITIVE AND REQUIRE SPECIAL HANDLING AND DISPOSAL METHODS. INCLUDE THE "MATERIAL SAFETY DATA SHEETS" or "SAFETY DATA SHEETS" WITH THE PACKING LIST FOR EACH SHIPMENT. (Rev. 20Sep2016)

9R

To Supplier

SUPPLIERS OF LASERS SHALL CERTIFY TO TEXTRON SYSTEMS THAT THE LASER(S) COMPLIES/COMPLY WITH THE ADVERTISED OR REQUIRED CLASSIFICATION IN ACCORDANCE WITH 21CFR1040. SUPPLIERS SHALL SUBMIT A STATEMENT CERTIFYING THE CLASSIFICATION OF THE LASER TO TEXTRON SYSTEMS. 21-CFR-1040. (Rev. 6 Jan 2020)

9S

To Supplier

SUPPLIERS OF LASER PRODUCTS OR LASER SYSTEMS SHALL CERTIFY THE PRODUCT OR SYSTEM IN ACCORDANCE WITH 21CFR1040 WITH THE CENTER FOR DEVICES AND RADIOLOGICAL HEALTH (CDRH) IN ROCKVILLE, MARYLAND. SUPPLIERS SHALL PROVIDE COPY OF THE INITIAL CERTIFICATION REPORT TO TEXTRON SYSTEMS. (Rev. 6 Jan 2020)

9T

To Supplier

THE BUYER WILL SEND THE SUPPLIER TEXTRON SYSTEMS FORM #SM205-F10 "AMMO EXPLOSIVES SAFETY REVIEW". SUPPLIER SHALL SUBMIT THE COMPLETED FORM TO TEXTRON SYSTEMS BUYER FOR REVIEW AND ACCEPTANCE BY

TEXTRON SYSTEMS EHS. THE SUPPLIER MUST WAIT FOR APPROVAL BY TEXTRON SYSTEMS EHS PRIOR TO STARTING WORK. THE SUPPLIER SHALL PROVIDE THE FOLLOWING INFORMATION WITH EACH SHIPMENT:  
PRIOR TO RELEASING ANY SHIPMENTS THE SUPPLIER SHALL PROVIDE ADVANCE SHIPMENT NOTIFICATION TO THE TEXTRON SYSTEMS BUYER WITH THE BELOW INFORMATION.

- 1) NET EXPLOSIVE WEIGHT (N.E.W)
- 2) UN NUMBER
- 3) HAZARD CLASS
- 4) COMPATIBILITY
- 5) EX NUMBER
- 6) COPY OF THE FEL

NOTE:

\*\*\*ACCURATE NET EXPLOSIVE WEIGHTS ARE ESSENTIAL FOR TEXTRON SYSTEMS COMPLIANCE WITH DOD AND ATF REGULATIONS. \*\*\*

(Date Rev. 03-FEB-2022)

9W

To Supplier

YOU ARE IN RECEIPT OF GOVERNMENT OWNED PROPERTY. BE ADVISED THAT YOU ARE LIABLE FOR ANY LOSS OF OR DAMAGE TO THE PROPERTY WHILE IT IS IN YOUR POSSESSION. PLEASE REFER TO THE FEDERAL ACQUISITION REGULATIONS (FAR) PART 45, SUB-PART 45.5 FOR THE MANAGEMENT OF THIS THIS PROPERTY.

\*\*ORANGE TAGS (GOVERNMENT PROPERTY, TEXTRON SYSTEMS M-433) \*\*

THE VENDOR SHALL NOT REMOVE GOVEMENT PROPERTY TAG, M-433 THIS TAG SHALL REMAIN WITH THE ITEM AND RETURN BACK TO TEXTRON SYSTEMS ATTACHED TO THE ITEM.

\*\* GREEN TAGS (DD-FORM-1577-2) \*\*

THE VENDOR SHALL NOT REMOVE GREEN UNSERVICEABLE TAGS (DD-FORM-1577-2) ATTACHED TO OR WITH THE PROPERTY. THIS TAG SHALL REMAIN WITH THE ITEM AND RETURN BACK TO TEXTRON SYSTEMS ATTACHED TO THE ITEM. ALL SUB ASSEMBLIES AND COMPONENTS LEFT OVER FROM THE REPAIR SHALL BE PLACED IN A SEPARATE BOX AND OR CONTAINER AND RETURNED BACK TO TEXTRON SYSTEMS. THE SEPARATE BOX OR CONTAINER SHALL BE CLEARLY MARKED AS SCRAP MATERIAL AND LIST THE PURCHASE ORDER AND LINE ITEM. THE VENDOR MAY DISPOSE COMPONENTS THAT CANNOT READILY BE RE-UTILIZED IN THE REPAIR PROCESS IF THE VENDOR HAS AND FOLLOWS AN APPROVED GOVERNMENT DISPOSITION PROCESS ALREADY IN PLACE.

(Rev. 6 Jan 2020)

A2

To Supplier

SPECIAL PROCESS: SOLDERING SHALL BE PERFORMED IN ACCORDANCE WITH IPC/EIA J-STD-001 CLASS 2. UPON REQUEST THE SELLER MUST BE ABLE TO SUPPLY TEXTRON SYSTEMS WITH OBJECTIVE EVIDENCE OF DEMONSTRATED PROFICIENCY FOR PERSONNEL (OPERATORS/INSPECTORS) PERFORMING THE WORK ON THIS ORDER. (Rev. 6 Jan 2020)

A3

To Supplier

SPECIAL PROCESS: SOLDERING SHALL BE PERFORMED IN ACCORDANCE WITH IPC/EIA J-STD-001 CLASS 3. UPON REQUEST THE SELLER MUST BE ABLE TO SUPPLY TEXTRON SYSTEMS WITH OBJECTIVE EVIDENCE OF DEMONSTRATED PROFICIENCY FOR PERSONNEL (OPERATORS/INSPECTORS) PERFORMING THE WORK ON THIS ORDER. (Rev. 6 Jan 2020)

A5

To Supplier

SPECIAL PROCESS: ACCEPTANCE OF ELECTRONIC ASSEMBLIES SHALL MEET THE REQUIREMENTS OF IPC-A-610 CLASS 2. UPON REQUEST THE SELLER MUST BE ABLE TO SUPPLY TEXTRON SYSTEMS WITH OBJECTIVE EVIDENCE OF DEMONSTRATED PROFICIENCY FOR PERSONNEL (OPERATORS/INSPECTORS) PERFORMING THE WORK ON THIS ORDER. (Rev. 6 Jan 2020)

A6

To Supplier

SPECIAL PROCESS: ACCEPTANCE OF ELECTRONIC ASSEMBLIES SHALL MEET THE REQUIREMENTS OF IPC-A-610 CLASS 3. UPON REQUEST THE SELLER MUST BE ABLE TO SUPPLY TEXTRON SYSTEMS WITH OBJECTIVE EVIDENCE OF DEMONSTRATED PROFICIENCY FOR PERSONNEL (OPERATORS/INSPECTORS) PERFORMING THE WORK ON THIS ORDER. (Rev. 6 Jan 2020)

A8

To Supplier

SPECIAL PROCESS: ACCEPTANCE OF CABLES AND WIRE HARNESS ASSEMBLIES SHALL MEET THE REQUIREMENTS OF IPC-A-620 CLASS 2. UPON REQUEST THE SELLER MUST BE ABLE TO SUPPLY TEXTRON SYSTEMS WITH OBJECTIVE EVIDENCE OF DEMONSTRATED PROFICIENCY FOR PERSONNEL (OPERATORS/INSPECTORS) PERFORMING THE WORK ON THIS ORDER. (Rev. 6 Jan 2020)

A9

To Supplier

SPECIAL PROCESS: ACCEPTANCE OF CABLES AND WIRE HARNESS ASSEMBLIES SHALL MEET THE REQUIREMENTS OF IPC-A-620 CLASS 3. UPON REQUEST THE SELLER MUST BE ABLE TO SUPPLY TEXTRON SYSTEMS WITH OBJECTIVE EVIDENCE OF DEMONSTRATED PROFICIENCY FOR PERSONNEL (OPERATORS/INSPECTORS) PERFORMING THE WORK ON THIS ORDER. (Rev. 6 Jan 2020)

A10

To Supplier

Printed wiring boards shall be designed to the appropriate IPC-2221, IPC-2222, and IPC-2223 (all Class 3) and fabricated in accordance with the requirements of MIL-PRF-31032 or IPC-6011. Rigid PWBs shall be fabricated to the requirements of IPC-6012 and IPC-6018 Class 3 Space Addendum. Rigid Flex and Flexible printed wiring boards shall be fabricated to the requirements of IPC-6013 Class 3.

ADCL

To Supplier

Supplier shall deliver an electronic file containing the As Delivered Configuration, in the specified format, to: <https://matrix.systems.textron.com/matrix/ADCL.html>. See instructions link on that page for assistance. A valid entry is required for each element where "N/A" is not present. (Rev. 05/07/2021)

AS6500

To Supplier

The supplier shall comply with the requirements of SAE AS6500 sections 4.5.8 and 4.5.9. Any additional scope will be communicated in your Statement of Work if applicable.  
(Rev Date 5/25/2023)

ASIC

To Supplier

Suppliers of custom-designed, custom-manufactured, or tailored integrated circuits or related products (e.g. ASIC) shall be accredited in a Defense Microelectronics Activity (DMEA) facility and shall comply with DoDI 5200.44. (Date Rev. 01-FEB-2021)

ASREQD

To Supplier

The Seller shall establish a sub-tier Supplier surveillance program which ensures the following: All items procured from its sub-tiers conform to all requirements of the Buyer PO. All applicable provisions of this requirement shall be flowed to its sub-tier suppliers. Sub-tier supplier quality systems shall be compliant to either AS9100, AS9120 or AS9003. Seller shall maintain and provide upon Textron Systems request, evidence of sub-tier supplier compliance to this requirement which may include audit results and corrective

actions. Note: This requirement does not apply to raw material or commercial-off-the-shelf items that may be part of the drawing or assembly being procured. (Rev. 4/12/2023)

AX

To Supplier

The supplier is required to maintain on file, and provide upon request, an unbroken chain of documentation (certifications, packing slips, etc.), tracing the movement of the electronic parts back to the original manufacturer. The Supplier shall certify that the parts have not been salvaged from delivered or used parts, reclaimed, otherwise used, or previously rejected for any reason. (Rev. 23Feb2015)

AZ

To Supplier

Incorporation of components or assemblies purchased from other than the OCM/OEM or a franchised/authorized distributor shall be submitted to the Textron Systems Buyer in advance for approval. Electronic parts procured from a source other than the Original Manufacturer or the

original manufacturer's authorized distributor are required to have additional testing performed on a sample per lot at a Textron Systems approved Counterfeit testing facility to verify the authenticity of the parts.

Testing should include as appropriate:

- Visual Inspection
- Real-Time X-Ray Analysis
- Scanning Electron Microscopy (SEM) Analysis
- Package Configuration and Dimensions
- X-Ray Florescent (XRF) Elemental Analysis
- Resistance to Solvents (RTS) and Scrape Test
- Solderability Test
- Heated Solvent Test
- Decapsulation and Die Microscopy

The completed test report is to be forwarded to the Textron Systems Buyer for review by Engineering and Quality. (Rev. 08-Dec-2021)

B5

To Supplier

Foreign Object Debris/Damage (FOD) Control Program.

The Supplier shall establish, document and maintain a program to control and eliminate FOD and/or contamination during the Supplier's manufacturing, assembly, test and inspection operations. When applicable, the Supplier's FOD control program shall include controls to preclude FOD or contamination at the Supplier's sub-tier sources. The Supplier's FOD prevention program shall include the review of design and manufacturing processes to identify and eliminate foreign object entrapment areas and paths through which foreign objects can migrate. Supplier shall ensure work is accomplished in a manner preventing foreign objects or material in deliverable items. The supplier shall maintain clean and orderly Inspection, Assembly and Test area work tables to prevent contamination and foreign objects from entering the product. Operators should practice a "Clean As You Go" approach to every product being assembled. Only the parts, tools and/or equipment necessary for performing the work shall be allowed on the work tables. All tools used during the product assembly, shall be accounted for upon completion of each assembled unit or groups of units. All hardware items shall be accounted for upon completion of each assembled unit or groups of units. Assembly/Inspection personnel shall ensure all assemblies are visually inspected for FOD prior to closing. Supplier shall document and investigate each FOD incident and ensure elimination of the root cause, and implement corrective action of each such incident. The Supplier's FOD program is subject to on-site review and approval by Textron Systems. Delivery of product shall be deemed as certification that items delivered are FOD free.

Definitions:

Foreign Object Debris (FOD) : A substance, debris, or article alien to a vehicle or system which could potentially cause damage which downgrades or renders the system unusable or unsafe for operation. Other contaminants having the same potential as foreign objects include, improper or incomplete cleaning and deburring of machine parts, high concentration of oil and/or water vapor in pneumatic test facilities, food and beverage residue, grease, etc.

Foreign Object Damage (FOD): Any damage attributed to a foreign object that can be expressed in physical or economic terms which may or may not degrade the product's required safety and/or performance characteristics. Foreign Objects; Any loose objects such as solder balls, electrical wire clippings, safety wire clippings, screws, washers, metal filings, RTV clods, machine shavings, detached burrs, staples, tools, etc. (Rev date: 13-Dec-2017)

B6

To Supplier

First piece inspection required for each new tool. The supplier is required to submit 100% inspection data, indicating the features inspected, the actual dimensions recorded, and the acceptance criteria, for each first piece produced from new tooling. Supplier may proceed with production without Textron Systems approval. The first piece inspection will be verified when the production lot is received by Textron Systems. (Rev. 6 Jan 2020)

B7

To Supplier

Contract Items specified by this Purchase Order shall be packaged in the appropriate commercial "Waffle" or "Gel Pack" packaging unit. (modified date: 29-October-2015)

B9

To Supplier

FIRST ARTICLE INSPECTION (FAI) SHALL BE PERFORMED ON THE FIRST PART OR SYSTEM REPRESENTATIVE OF THE PRODUCTION CONFIGURATION IN ACCORDANCE WITH AS9102. THIS REQUIREMENT SHALL CONTINUE TO APPLY EVEN AFTER INITIAL COMPLIANCE. THE ORGANIZATION SHALL PERFORM A FULL FAI OR PARTIAL FAI FOR AFFECTED CHARACTERISTICS, WHEN ANY OF THE FOLLOWING OCCURS:

1. A CHANGE IN DESIGN CHARACTERISTICS AFFECTING FIT, FORM OR FUNCTION OF THE PART.
2. A CHANGE IN MANUFACTURING SOURCE(S), PROCESS(ES), INSPECTION METHOD(S), LOCATION OF MANUFACTURE, TOOLING OR MATERIALS, WHICH CAN POTENTIALLY AFFECT FIT, FORM OR FUNCTION.
3. A CHANGE IN NUMERICAL CONTROL PROGRAM OR TRANSLATION TO ANOTHER MEDIA THAT CAN POTENTIALLY AFFECT FIT, FORM OR FUNCTION.
4. A NATURAL OR MANMADE EVENT, WHICH MAY ADVERSLY AFFECT THE MANUFACTURING PROCESS.
5. AN IMPLEMENTATION OF CORRECTIVE ACTION REQUIRED TO COMPLETE A PREVIOUS FAI, AS DESCRIBED IN AS9102.
6. A LAPSE IN PRODUCTION FOR TWO YEARS SHALL REQUIRE AN UPDATE FOR ANY CHARACTERISTICS THAT MAY BE IMPACTED BY THE INACTIVITY. THIS LAPSE IS FROM THE COMPLETION OF LAST PRODUCTION OPERATION TO THE ACTUAL RESTART OF PRODUCTION.

SUPPLIER SHALL NOTIFY TEXTRON SYSTEM'S SUPPLIER QA GROUP 7 DAYS PRIOR TO START OF FIRST ARTICLE INSPECTION. THE FIRST ARTICLE REPORT SHALL BE SUBMITTED TO TEXTRON SYSTEMS'S SUPPLIER QA GROUP. THE FAI REPORT SHALL CONTAIN OBJECTIVE EVIDENCE THAT ALL OF THE REQUIREMENTS OF AS9102 HAVE BEEN COMPLIED WITH. THE OBJECTIVE EVIDENCE SHALL INCLUDE ACTUAL DATA. (E.G. INSPECTION DATA, TEST DATA, CERTIFICATIONS, ETC) TEXTRON SYSTEMS RESERVES THE RIGHT TO WITNESS THE FIRST ARTICLE INSPECTION AT THE SUPPLIER. IF SUPPLIER CHOOSES TO PROCEED WITH PRODUCTION OF ADDITIONAL ITEMS BEYOND THE FIRST PRODUCTION ARTICLE, PRIOR TO COMPLETION OF THE FAI, SUPPLIER DOES SO AT THEIR OWN RISK. (Rev. 6 Jan 2020)

B9 Full

To Supplier

FULL FIRST ARTICLE INSPECTION (FAI) SHALL BE PERFORMED ON THE FIRST PART OR SYSTEM REPRESENTATIVE OF THE PRODUCTION CONFIGURATION IN ACCORDANCE WITH AS9102.

\*\*THE FIRST ARTICLE REPORT SHALL BE SUBMITTED TO TEXTRON SYSTEMS SUPPLIER QUALITY AT SUPPLIERQUALITY@TEXTRONSYSTEMS.COM, PRIOR TO PRODUCT SHIPMENT. Supplier may alternately submit the FAI report through the ESIS portal, if applicable. \*\* THE FAI REPORT SHALL CONTAIN OBJECTIVE EVIDENCE THAT ALL OF THE REQUIREMENTS OF AS9102 HAVE BEEN COMPLIED WITH. THE OBJECTIVE EVIDENCE SHALL INCLUDE ACTUAL DATA. (E.G. INSPECTION DATA, TEST DATA, CERTIFICATIONS, ETC) TEXTRON SYSTEMS RESERVES THE RIGHT TO WITNESS THE FIRST ARTICLE INSPECTION AT THE SUPPLIER.

\*\* Supplier may proceed at risk with production of additional items beyond the first production article. Supplier does not need to wait for Textron Systems acceptance of the FAI prior to shipment. However, supplier remains responsible for product conformance and

accuracy and completeness of FAI report. \*\*PLEASE NOTE THAT AS9102 REQUIRES THE ORGANIZATION TO PERFORM ADDITIONAL FAI ACTIVITY FOR AFFECTED CHARACTERISTICS, WHEN ANY OF THE FOLLOWING OCCURS:

1. A CHANGE IN DESIGN CHARACTERISTICS AFFECTING FIT, FORM OR FUNCTION OF THE PART.
2. A CHANGE IN MANUFACTURING SOURCE(S), PROCESS(ES), INSPECTION METHOD(S), LOCATION OF MANUFACTURE, TOOLING OR MATERIALS, WHICH CAN POTENTIALLY AFFECT FIT, FORM OR FUNCTION.
3. A CHANGE IN NUMERICAL CONTROL PROGRAM OR TRANSLATION TO ANOTHER MEDIA THAT CAN POTENTIALLY AFFECT FIT, FORM OR FUNCTION.
4. A NATURAL OR MAN-MADE EVENT, WHICH MAY ADVERSLY AFFECT THE MANUFACTURING PROCESS.
5. AN IMPLEMENTATION OF CORRECTIVE ACTION REQUIRED TO COMPLETE A PREVIOUS FAI, AS DESCRIBED IN AS9102.
6. A LAPSE IN PRODUCTION FOR TWO YEARS SHALL REQUIRE AN UPDATE FOR ANY CHARACTERISTIC THAT MAY BE IMPACTED BY THE INACTIVITY. THIS LAPSE IS FROM THE COMPLETION OF LAST PRODUCTION OPERATION TO THE ACTUAL RESTART OF PRODUCTION.

(Updated 4/13/20)

B9 Partial  
To Supplier

PARTIAL FIRST ARTICLE INSPECTION (FAI) SHALL BE PERFORMED ON THE FIRST PART OR SYSTEM REPRESENTATIVE OF THE PRODUCTION CONFIGURATION IN ACCORDANCE WITH AS9102.

\*\*THE FIRST ARTICLE REPORT SHALL BE SUBMITTED TO TEXTRON SYSTEMS SUPPLIER QUALITY AT SUPPLIERQUALITY@TEXTRONSYSTEMS.COM, PRIOR TO PRODUCT SHIPMENT. Supplier may alternately submit the FAI report through the ESIS portal, if applicable. \*\* THE FAI REPORT SHALL CONTAIN OBJECTIVE EVIDENCE THAT ALL OF THE REQUIREMENTS OF AS9102 HAVE BEEN COMPLIED WITH. THE OBJECTIVE EVIDENCE SHALL INCLUDE ACTUAL DATA. (E.G. INSPECTION DATA, TEST DATA, CERTIFICATIONS, ETC) TEXTRON SYSTEMS RESERVES THE RIGHT TO WITNESS THE FIRST ARTICLE INSPECTION AT THE SUPPLIER. \*\* Supplier may proceed at risk with production of additional items beyond the first production article. Supplier does not need to wait for Textron Systems acceptance of the FAI prior to shipment. However, supplier remains responsible for product conformance and accuracy and completeness of FAI report. \*\*

PLEASE NOTE THAT AS9102 REQUIRES THE ORGANIZATION TO PERFORM ADDITIONAL FAI ACTIVITY FOR AFFECTED CHARACTERISTICS, WHEN ANY OF THE FOLLOWING OCCURS:

1. A CHANGE IN DESIGN CHARACTERISTICS AFFECTING FIT, FORM OR FUNCTION OF THE PART.
2. A CHANGE IN MANUFACTURING SOURCE(S), PROCESS(ES), INSPECTION METHOD(S), LOCATION OF MANUFACTURE, TOOLING OR MATERIALS, WHICH CAN POTENTIALLY AFFECT FIT, FORM OR FUNCTION.
3. A CHANGE IN NUMERICAL CONTROL PROGRAM OR TRANSLATION TO ANOTHER MEDIA THAT CAN POTENTIALLY AFFECT FIT, FORM OR FUNCTION.
4. A NATURAL OR MAN-MADE EVENT, WHICH MAY ADVERSLY AFFECT THE MANUFACTURING PROCESS.
5. AN IMPLEMENTATION OF CORRECTIVE ACTION REQUIRED TO COMPLETE A PREVIOUS FAI, AS DESCRIBED IN AS9102.

6. A LAPSE IN PRODUCTION FOR TWO YEARS SHALL REQUIRE AN UPDATE FOR ANY CHARACTERISTICS THAT MAY BE IMPACTED BY THE INACTIVITY. THIS LAPSE IS FROM THE COMPLETION OF LAST PRODUCTION OPERATION TO THE ACTUAL RESTART OF PRODUCTION.

SUPPLIER SHALL NOTIFY TEXTRON SYSTEM'S SUPPLIER QA GROUP 7 DAYS PRIOR TO START OF FIRST ARTICLE INSPECTION.

(Updated 4/13/20)

B10

To Supplier

This item requires special packaging to ensure product quality, the requirements are listed in a process document stored in the Textron System PDM toolset. The buyer will provide this document to suppliers. (Rev date: 09/29/2022)

BER

To Supplier

If the supplier determines that the material is Beyond Economical Repair (BER), the supplier shall provide justification supporting the recommendation (i.e. repair cost is greater than 75% of the cost for a new unit with specific costs listed).

C1

To Supplier

The supplier shall maintain an inspection system IAW best commercial practices

C2

To Supplier

The supplier shall maintain a Quality System based on Mil-Q-9858A, Mil-I-45208A, or in compliance with ISO 9001:2008, SAE-AS9100, or other documented Quality Systems.

C3

To Supplier

A Certificate of Compliance/Conformance (C-of-C) is required with the shipment. The C-of-C shall be dated and signed with the title of the supplier's QA representative. The C-of-C shall certify that the product or service complies with the purchase order and conforms to all specifications.

C4

To Supplier

Raw Material Lot Traceability is required. The C-of-C shall include the Lot or Batch Number and the Mfg. date.

C6

To Supplier

This order is subject to Government/Regulatory Source Inspection (GSI) and/or Customer Source Inspection (CSI) and access to all facilities involved in the order and to all applicable records shall be provided. Supplier will be contacted if applicable.

C8

To Supplier

The supplier must notify Textron Systems in writing of any, non-conformities and request a waivers/deviation, or change of product and/or process definition and obtain written approval from Textron Systems prior to shipment from the supplier's facility. Notify the Buyer for the appropriate forms and process requirements. (Rev. 6 Jan 2020)

C9

To Supplier

The supplier shall flow-down all requirements of TEXTRON SYSTEMS' Purchase Order to its sub-tier suppliers; including Key Characteristics when required. (Rev. 06/02/2021)

C10

To Supplier

Top-level Assemblies and their Subassemblies must be marked in accordance with the drawings provided.

C104

To Supplier

(1) Seller shall comply with FAR 52.245-1 "Government Property". Be advised that you are liable for any loss of, or damage to, the property while it is in your possession.

(2) Seller and its lower tier suppliers shall deliver hardware that is compliant with this order. Seller shall provide the M-100 and/or ISC-021 form(s) via email to

TS\_PROPERTYADMIN01@TEXTRONSYSTEMS.COM

to demonstrate compliance to this FAR clause. This FAR clause and quality note is applicable to any government property furnished to the seller by Textron Systems. Government property may include Textron purchased materials, tooling/fixtures, government purchased property provided to the seller by Textron, and any product for which milestone payments have been issued.

C11

To Supplier

The Supplier shall have an Electrostatic Discharge Program that meets the Requirements of best commercial practices and is subject to evaluation and approval by Textron Systems. (Rev. 6 Jan 2020)

C13

To Supplier

The Supplier shall utilize the highest Commercial Standards in Product Selection, Handling, Packaging and Shipment methods to ensure Product Performance at delivery.

CAS FC

To Supplier

CAS Requirement Full Coverage - The provisions of FAR 52.230-2 Cost Accounting Standards (less subparagraph b), cost accounting standards, and FAR 52.230-6 Administration of Cost Accounting Standards shall apply to this order. In addition to any other remedies provided by law or under this order, seller agrees to indemnify and hold buyer harmless to the full extent of any loss, damage or expense if buyer is subjected to any liability as the result of failure of the seller or its subcontractors to comply with the requirements of these clauses.

CAS Foreign

To Supplier

FAR 52.230-4 Disclosure and Consistency of Cost Accounting Practices--Foreign Concerns pertain to foreign companies and is incorporated into this purchase order by reference.

CAS MC

To Supplier

CAS Requirement Modified Coverage - The provisions of FAR 52.230-3 Disclosure and Consistency of Cost Accounting Practices (less subparagraph b), disclosure and consistency of cost accounting practices, and FAR 52.230-6 Administration of Cost Accounting Standards shall apply to this order. In addition to any other remedies provided by law or under this order, seller agrees to indemnify and hold buyer harmless to the full extent of any loss, damage or expense if buyer is subjected to any liability as the result of failure of the seller or its subcontractors to comply with the requirements of these clauses.

COMPOSITES LAB

To Supplier

Apply separator to both sides of the material.

CPLAN

To Supplier

This Drawing contains Essential Product Characteristics identified as either a Safety Critical, Reliability Critical, Critical, Major or Minor and has an associated Textron Systems Control Plan. It is the supplier's responsibility to ensure the requirements of the Control Plan are implemented and that the required quantitative and / or qualitative data indicating the actual results of each Control Plan parameter are stored and provided upon Textron Systems or Government request. If a Control Plan was not provided with the transmission of this Purchase Order, the Seller is obligated to request a copy from the Textron Systems Buyer. (Date Rev. 11-OCT-2021)

## CSI

### To Supplier

A Critical Safety Item (CSI) Control Plan is incorporated into the terms, conditions, instructions, and requirements of this purchase order in full text. Incorporation of the CSI Control Plan is at the revision level effective as of the latest date printed on the "Procured Part Revision Control Document" and included with the Purchase Order Documents. The Seller is responsible for assuring that the requirements of Textron Systems' CSI Control Plan are implemented on any production of contract items destined to satisfy the requirements of this Purchase Order. If a CSI Control Plan document has not been provided with the transmission of this Purchase Order, or any revision thereto, Seller is obligated to request a copy from the Buyer. The supplier is required to maintain on file and make available for review, quantitative and / or qualitative data, indicating the actual results of each Control Plan parameter. Data shall include as a minimum: specification requirement or attribute from the Control Plan, tolerance where applicable, actual measurement, and indication of pass / fail for each Critical Characteristic. Additionally, the "CSI Program Activities" document (QA-SP65) is incorporated into the terms, conditions, instructions, and requirements of this purchase order in full text. A copy of document QA-SP65 can be found at Textron Systems website: "<https://www.textronsystems.com/services-support/suppliers>", select the "CSI Program Activities" (QA-SP65) link. (Rev. 6 Jan 2020)

## DPA

### To Supplier

Vendor shall perform Destructive Physical Analysis (DPA) testing IAW MIL-STD-1580. Vendor may send samples to a 3<sup>rd</sup> party lab to perform testing. A DPA quantity of 5 per lot is required to be performed on these components. DPA Testing results shall be provided with shipment.

(Date Rev. 06-SEP-2022)

## DPAR

### To Supplier

DPA Retains for Assemblies. The vendor shall provide an additional three (3) devices per lot date code of Standard EEEE (Electronic, Electrical, Electro-Mechanical, and Electro-Optical) parts and an additional eight (8) devices per lot date code of non-standard EEEE parts used in the assembly; including microcircuits, hybrids, semiconductors, stacked capacitors, custom devices, and connectors. DPA retains shall be included along with the shipment of first use and shall be provided once for each lot date code combination. Packaging and Handling shall be in accordance with ANSI S20.20. DPA Retains shall be packaged separately from the assembly and denoted as the Assembly Part Number with a -DPA-Kit Suffix.

The DPA Retain documentation for each part shall include the following information:

1. Full Traceability back to the OEM or Authorized Distributor
2. Certificates of Compliance
3. Lot Number or date code of applicable part(s)
4. A copy of the elemental analysis for metallic finishes/construction (i.e. XRF/EDS)

(Date Rev. 15-SEP-2022)

## ESIS

To Supplier

THIS PURCHASE ORDER WAS ELECTRONICALLY TRANSMITTED THROUGH ESIS AT THE TIME OF APPROVAL. THIS IS A HARD COPY OF THE PURCHASE ORDER. PLEASE DO NOT DUPLICATE.

## FP-ICT

To Supplier

FP-ICT: Flying Probe, In-Circuit Test. Supplier shall provide all test equipment and fixturing to perform specified flying probe or ICT testing. Contact Textron Buyer for test required. The seller is required to produce and store acceptance test data records, indicating the parameters tested, the actual results recorded, and the acceptance criteria, for each unit shipped under this order. Test data records shall be provided upon TEXTRON SYSTEMS or Government request.

## FW2

To Supplier

FW2: Supplier to provide verifiable firmware marking on the part.

## Filter Insp

To Supplier

The seller is required to submit inspection data, indicating the features inspected, the actual dimensions recorded, and the acceptance criteria, data will be provided against an AQL 1.0 Sample per ANSI Z1.4 General Inspection level I for each part number supplied on each Purchase Order. Each shipment must have at least one piece of each part number inspected to these requirements and data provided with the shipment. The following details must be inspected as indicated: Dimensional Data for all features must be provided as part of the complete Data Package. Precise measurements must be taken when verifying Case Length and Width due to possible presence of Processing Material. Mounting Holes - Threads must be verified and indicated as Pass/Fail if specified in Drawing details. The Supplier must adhere to the Note in the Mechanical Detail concerning Flush Mounting which is a critical requirement of the Component. The supplier must include a copy of the Inspection Data with each shipment and e-mail a copy to [SUPPLIERQUALITY@TEXTRONSYSTEMS.COM](mailto:SUPPLIERQUALITY@TEXTRONSYSTEMS.COM). (11/17/20)

## INSP

To Supplier

- 1) For build-to-print parts made substantially with machine-controlled processes, supplier shall conduct 100% inspection of all drawing characteristics (including drawing notes) for the first and last piece of each production run and provide those reports with shipment of material.
- 2) For operator-dependent build-to-print parts, supplier shall document 100% inspection on all units (including drawing notes) and provide those reports with shipment of material.
- 3) For outside vendor finishing, supplier shall keep track of first and last piece through the process as identified on parts.

Examples of Machine-controlled: CNC, EDM, Waterjet

Examples of Operator-dependent: Bridgeports, grinder, lathes, prototrak, band saw

I210

To Supplier

Seller shall perform 100% inspection on 100% of assemblies being delivered. 100% Inspection shall also be performed on components within the assembly. Seller shall flow-down this requirement to sub-tiers. This inspection data shall be provided with shipment of materials. Sampling Inspection is only allowed with prior review and approval by Textron.

KF100

To Supplier

This drawing contains Identified Features (via Flag Note) requiring 100% inspection. The supplier shall provide required inspection data (measured results) for all parts shipped. The supplier must include a copy of the inspection report with the shipment and email a copy to SUPPLIERQUALITY@TEXTRONSYSTEMS.COM. A supplier MRB Disposition Request must be completed by supplier and approved by Textron Systems in advance of shipment of any parts that are not conforming to the Textron part specification. (Updated 1/5/2020)

LEAD

To Supplier

Supplier shall perform Hot Solder Coating per MIL-STD 11991, Hot Solder Coating (Tinning) of Electronic Parts by Outside Supplier and submit a certificate of compliance with the provisions per document MIL-STD-11991 describing the lead material and finish with each shipment of items. (Date Rev. 01-FEB-2021)

LeadPF

To Supplier

Supplier shall perform lead pre-forming IAW MIL-STD-883 and IPC J-STD-001. Supplier can, alternatively, send this to a third-party to perform this operation. (Date Rev. 01-NOV-2022)

LMFPI

To Supplier

A DETAILED INSPECTION REPORT IN ACCORDANCE WITH AS9100C CONTAINING A RECORDING OF THE ACTUAL READINGS ON 100% OF ALL CHARACTERISTICS AND NOTES OF THE DRAWING IS TO BE CREATED. SUPPLIER MAY RECORD THE ACTUAL MEASUREMENT AND/OR TEST DATA ON A DOCUMENT NORMALLY UTILIZED BY THE SUPPLIER TO RECORD INSPECTION/TEST RESULTS.

THE SUPPLIER MUST INCLUDE A COPY OF THE INSPECTION REPORT WITH THE INITIAL SHIPMENT AND EMAIL A COPY TO SUPPLIERQUALITY@TEXTRONSYSTEMS.COM.

A NEW FIRST PIECE INSPECTION REPORT SHALL BE REQUIRED IF:

- (A) A DESIGN, MATERIAL OR PROCESS CHANGE HAS BEEN MADE THAT AFFECTS THE ORIGINAL FIRST PIECE REPORT. THE NEW REPORT NEED ONLY ADDRESS THE CHARACTERISTICS AFFECTED BY THE CHANGE
- (B) THE ITEM HAS NOT BEEN PRODUCED FOR A PERIOD OF 24 MONTHS
- (C) A CHANGE IN FACILITIES UTILIZED TO PRODUCE THE ITEM HAS TAKEN PLACE
- (D) A CHANGE OF SUBTIER SUPPLIERS HAS OCCURRED.
- (E) FAILURE TO CONFORM TO REQUIREMENTS.

#### Material Declaration Request

To Supplier

In order to support the current domestic and international environmental legislation, the supplier shall provide materials compliance data by using the website <https://matrix.systems.textron.com/matrix/MaterialDeclaration.html>, or contact the materials compliance representative at [Material-Compliance@textronsystems.com](mailto:Material-Compliance@textronsystems.com). (Rev. 14 Jan 2020)

#### MCRT

To Supplier

Raw Material shall comply with DFARS 252.225-7001 Buy American Act

Full Raw Material Lot and Special Process Traceability shall be provided, including:

- Original mill certificate with country of melt
- Statement of conformance to the specification requirements
- Traceability that the material was procured directly from a mill or show full traceability from the mill.
- Chemical/physical test results of any subsequent processing steps.
- A copy of certifications for any applicable special processes.

(Rev 6/3/2022)

#### NADCAP

To Supplier

Suppliers and their sub-tiers of Special Processors shall be accredited by NADCAP and be present on the Approved Special Processor List (ASPL). Special Processors may be approved on the ASPL in lieu of NADCAP certification after successful completion of customer audit prior to performing special processes. Evidence of approval on the customer ASPL shall be provided with shipment. ASPL link: <https://oasis-aspl.myngc.com/>.

Types of NADCAP Special Processes:

1. Nondestructive Testing.

2. Heat Treating (except suppliers who only perform stress relief or hydrogen embrittlement relief).
3. Material Testing Laboratories.
4. Chemical Processes (except in-process cleaning, application of paint to composite parts, and touch up of damaged coatings and paint).
5. Non-conventional Machining & Surface Enhancements.
6. Welding.
7. Composites.(Date Rev. 03-JUN-2024)

#### ND

To Supplier

Our Order number must appear on all invoices and packages. Additionally, the following Terms and Conditions are applicable to this Order. (Paragraphs are numbered by QA SQR Codes)

ND Non-Deliverables: Overhead purchases not to be incorporated into customer product. No codes required.

#### PIND

To Supplier

This part has been identified as containing a cavity construction. Seller shall perform a Particle Impact Noise Detection (PIND) test in accordance with the requirements of the applicable mil-spec or an equivalent procedure approved by Textron Systems. Test results shall be submitted via e-mail to [SUPPLIERQUALITY@TEXTRONSYSTEMS.COM](mailto:SUPPLIERQUALITY@TEXTRONSYSTEMS.COM). (Date Rev. 17-NOV-2021)

#### PM&P2

To Supplier

By shipment of this material, the Supplier certifies that material is in accordance with SPQA-001. SPQA-001 is located on the Textron Systems Supplier Quality Portal at the following URL [https://www.textronsystems.com/sites/default/files/\\_documents/SPQA-001\\_Prohibited\\_Materials-Processes\\_WIL\\_RevA.pdf](https://www.textronsystems.com/sites/default/files/_documents/SPQA-001_Prohibited_Materials-Processes_WIL_RevA.pdf) (Date Rev. 16-AUG-2021)

#### PM&P3

To Supplier

Supplier shall provide elemental composition (i.e. XRF) test results demonstrating that the following prohibited materials are not present in the delivered product. This requirement shall be flowed down to any sub-tiers and applies to all hardware (i.e. screws, nuts, bolts). Mill traceability documentation satisfies raw material documentation.

- Pure Cadmium, Pure Zinc, Pure Tin (Pure is defined as 97% or greater)
- Constructions and finishes containing pure zinc
- Constructions and finishes containing pure cadmium that are not in accordance with AMS-QQP-416
- Constructions and finishes containing pure tin that contain less than 3 weight percent lead
- Use of lead-free solder alloys, unless previously approved by Textron Systems.

Note: A construction is defined as the components the actual assembly/material is made of. A finish is defined as the metallic protection that is sometimes applied to parts.

#### PQDR/EI

##### To Supplier

The item returned under this purchase order is under Textron Systems investigation as an end-user product quality deficiency report (PQDR) or other formal engineering investigation (EI). The Supplier shall perform initial investigation to confirm the failure and identify the root cause to a level of detail agreed to with Textron Systems Quality Engineering. The Supplier shall document the results of this initial investigation and provide a preliminary failure analysis report (FAR) for review and approval by Textron Systems Quality Engineering. The preliminary FAR shall be provided on Textron Systems form M-546, or equivalent supplier format.

THE SUPPLIER SHALL NOT PROCEED WITH REPAIR OR RETURN OF THE UNIT UNTIL TEXTRON SYSTEMS QUALITY ENGINEERING APPROVES THE PRELIMINARY FAR AND PROVIDES WRITTEN AUTHORIZATION TO PROCEED.

In support of this requirement, the Supplier shall comply with the following:

- a. Perform an initial investigation to verify the failure and identify the failing replaceable assembly or component.
- b. Failure verification must be performed before repair/cleaning of the unit.
- c. Upon failure verification, perform analysis as required to identify the root cause of the failure to a level agreed to with Textron Systems Quality Engineering.
- d. Draft the preliminary FAR by completing the applicable fields of the form M-546, and including (or attaching) a detailed description of the investigation performed and the identified root cause.
- e. If no fault is found, document on the preliminary FAR the evaluation steps that were performed to reach this conclusion.
- f. The preliminary FAR shall be emailed to the Textron Systems Quality Engineering at SUPPLIERQUALITY@TEXTRONSYSTEMS.COM. (Updated 1/5/20)
- G. THE SUPPLIER SHALL NOT PROCEED WITH REPAIR OR RETURN OF THE PQDR/EI UNIT UNTIL TEXTRON SYSTEMS QUALITY ENGINEERING APPROVES THE PRELIMINARY FAR AND PROVIDES WRITTEN AUTHORIZATION TO PROCEED.
- h. After receiving approval of the preliminary FAR, and upon subsequent completion of the repair, the Supplier shall document repair and test actions taken on the FAR. The completed final FAR shall be emailed to the above address and returned in the shipment with the item
- i. The Supplier shall notify Textron Systems of receipt of exhibit within 5 calendar days of that receipt. Notification shall be emailed to the above address. As part of this notification, the Supplier shall provide contact information for the employee assigned to conduct the PQDR/EI investigation. (Updated 10/10/2022)
- j. Textron Systems must provide to its DCMA and other stakeholders with regular progress reports on all open PQDR/EI investigations. In support of this requirement, the Supplier shall provide Textron Systems with a Status and Progress Report of the

investigation every 20 calendar days, beginning 20 calendar days after receipt of exhibit. Content of the Status and Progress Report shall include, but not be limited to, the following: current plan for the investigation, current location of the exhibit, investigation steps completed during this reporting period, preliminary observations (supported by photographs where appropriate), preliminary findings/conclusions, specific goals and milestones for next 20 calendar day period, expected completion date for the overall investigation, etc. Status and Progress Reports shall be emailed to the above address. Failure to provide an achievable plan and to show continual progress on the investigation may result in a corrective action request (CAR) issued by Textron Systems and/or DCMA. (Updated 10/10/2022)

PR

To Supplier

TEXTRON SYSTEMS'S SUPPLIER QUALITY GROUP MAY DETERMINE THAT A PROCESS REVIEW OF SUPPLIER'S PRODUCT IS REQUIRED. IF CONDUCTED, THIS REVIEW WILL BE PERFORMED AT SUPPLIER'S FACILITY PRIOR TO SHIPMENT. TEXTRON SYSTEMS'S SUPPLIER QUALITY GROUP WILL NOTIFY SUPPLIER OF INTENTION TO VISIT SUPPLIER'S FACILITY AT LEAST FIVE (5) WORK DAYS PRIOR TO VISIT. SUPPLIER IS NOT REQUIRED TO NOTIFY TEXTRON SYSTEMS OF SCHEDULED DELIVERY DATE OR SUBMIT A REQUEST FOR PROCESS REVIEW, AND, IF NO PROCESS REVIEW HAS BEEN REQUESTED WHEN SUPPLIER IS READY TO SHIP, MAY SHIP PRODUCT WITHOUT DELAY. IF CONDUCTED, SUPPLIER SHALL HAVE AVAILABLE AND WILL PRESENT, UPON REQUEST, RECORDS RELEVANT TO ITEMS ON THE PURCHASE ORDER, RELATING TO:

1. MANPOWER (TRAINING, SKILLS, PERSONNEL CHANGES, CERTIFICATIONS)
2. MATERIAL (CORRECT MATERIALS, SHELF LIFE, NONCONFORMANCE CONTROL)
3. METHODS (APPROPRIATE INSPECTION POINTS, WORK INSTRUCTIONS, ROUTINGS, RECORDS, CORRECTIVE ACTIONS)
4. MACHINERY (TOOLS, FIXTURES, CALIBRATION)
5. ENVIRONMENT (TEMPERATURE, LIGHTING, SAFETY)

(Rev. 6 Jan 2020)

QAP-1916

To Supplier

This specification contains Identified Features (via flag note, tabulation, or other means) requiring Inspection, Reporting, and Inspection Verification Levels (VL) defined by MIL-STD-1916 and/or US Army General Requirements for Quality Assurance Provision s (QAP) Drawing 12993884. (REV. 16-AUG/2021)

QML

To Supplier

Suppliers of QML microcircuits shall provide a basic Certificate of Conformance as required by MIL PRF-38535, paragraph 3.2.1 & MIL-PRF-38534, paragraph 3.8.1. (Date Rev. 01-FEB-2021)

REV.2

To Supplier

REV. 2 ISSUED TO ADD LI#2 FOR ONE (1) ADDITIONAL FLASHER (26-APR-2021)

## SAMP

To Supplier

If there are no Essential Product Characteristics (EPCs) noted on the drawing, sampling plans, when used for acceptance of mechanical properties, are permitted in accordance with (IAW) military or government standards such as: ANSI Z1.4, ANSI Z1.9, MIL-STD -1916, or ARP9013 in their entirety. EPC's shall be inspected IAW the associated Control Plan.

(Date Rev. 07-APR-2022)

## SBSC

To Supplier

SMALL BUSINESS SUBCONTRACTING PLAN. SHOULD YOUR PROPOSAL/ORDER EXCEED \$650,000, THIS ORDER IS SUBJECT TO YOUR COMPLIANCE WITH FAR 19.704 AND 52.219-9. SUBMIT YOUR SUBCONTRACTING PLAN AS SPECIFIED IN FAR 19.704 AND 52.219-9 WITH YOUR PROPOSAL. FURTHER, THE SUPPLIER SHALL SUBMIT INDIVIDUAL AND/OR SUMMARY SUBCONTRACTING REPORTS (ISR/SSR) VIA ESRG.GOV WITH A COPY TO TEXTRON SYSTEMS'S SMALL BUSINESS LIAISON OFFICER (SBLO), AT BROOKS@TEXTRONSYSTEMS.COM. SEMI-ANNUAL REPORTS ARE DUE DURING CONTRACT PERFORMANCE AND AT COMPLETION OF CONTRACT (APRIL 30TH AND OCTOBER 30TH AND AT THE COMPLETION OF THE CONTRACT). SMALL BUSINESS CONCERNS ARE EXEMPT FROM THIS REQUIREMENT. (Rev. 6 Jan 2020)

## SDR

To Supplier

The Seller, including sub-tier suppliers at all levels, shall generate System Deficiency reports (SDRs) for any deficiency that impacts performance compliance; or Operational Safety, Suitability, and Effectiveness (OSS&E). The SDR contains information about hardware and software deficiencies and their resolution status. The SDR data is used as a management tool to document and track the resolution of deficiencies. Supplier shall SDRs NLT 7 days after issue(s) identified. The SDR shall be presented in the supplier's format, but shall contain the following data where applicable for each hardware and software deficiency:

- a. Item # (Number) and Status
- b. Originator
- c. Analyst Assigned
- d. Date
- e. Date Completed
- f. The System
- g. Missile number
- h. Category
- i. Date Assigned
- j. Date Closed

k. Date Hardware Eng. Fix  
l. Date Software Eng. Fix  
m. Date Sys Eng. Review  
n. Date Tested  
o. Initials (As Required)  
p. Problem Duplicated after Reload  
q. Problem Duplicated after Restart  
r. Problem Duplicated During Run  
s. Problem Priority  
t. System Status  
u. Baseline Version of Fix  
v. Critical items affected  
w. Corrective Action  
(Date Rev. 25-MAR-2021)

#### SEM

To Supplier

Supplier shall provide results of Scanning Electron Microscope (SEM) analysis for wafer lots. Supplier shall obtain Textron Systems approval prior to conducting SEM Analysis.

(Date Rev. 25-JUL-2022)

#### SIP

To Supplier

Supplier Inspection Procedure (SIP) Required. Supplier must provide a completed Supplier Inspection Procedure form with delivered parts as specified by Textron Systems SIP form # M-1004. The Textron Systems SIP form must be used unless Supplier has generated their own SIP that meets all inspection criteria agreed upon by Textron Systems. Any supplier-generated SIPs must be approved by Textron Systems Quality prior to delivery. Supplier is responsible for all PO and drawing requirements, whether listed on the inspection procedure or not. If SIP is not provided with the order, contact Textron Systems Buyer or Quality Engineer to obtain a copy. (Rev. 6 Jan 2020)

#### SP5003S

To Supplier

An in-service MRO equipment acceptance criteria document (SP5003-Supplier) is incorporated into the terms, conditions, instructions, and requirements of this purchase order in full text. This document defines the Textron Systems Inspection and Acceptance standard for Maintenance, Repair and Overhaul (MRO). Inspection and acceptance criteria in this document shall be used in the absence of specific criteria defined by Textron Systems Purchase Order and/or Subcontract Statement of Work. If this

document has not been provided with the transmission of this Purchase Order, or any revision thereto, Seller is obligated to request a copy from the Buyer.

#### SPC

##### To Supplier

Statistical Process Control (SPC) is required for each shipment on this Purchase Order.

Additionally, PO code SIP is applicable to this Purchase Order and defines a part-specific Supplier Inspection Procedure. Identified features, sample size & frequency and reporting requirements are defined by the SIP for this part number. Prior to shipment, the supplier must email the required SPC documentation to SUPPLIERQUALITY@TEXTRONSYSYSTEMS.COM for formal review and approval by the Supplier Quality Engineer. Once approved, supplier shall include a copy of the inspection chart(s) as well as other information defined by the SIP with the shipment. Supplier shall maintain all supporting data at supplier's facility and make such data available to Textron Systems upon request of Buyer. Supplier is responsible for quality of all parts on subject PO whether providing Textron Systems with measurement data or not, and is expected to apply appropriate process controls and inspections to the product. A supplier MRB Disposition Request must be completed by supplier and approved by Textron Systems in advance of shipment of any parts that are not conforming to the Textron Systems' part specification.

#### Specialty Metals

##### To Supplier

Seller shall comply with DFARS 252.225-7009 "Restriction on Acquisition of Certain Articles Containing Specialty Metals". For all orders that include ball or roller bearings, seller shall comply with DFARS 252.225-7016 "Restriction on Acquisition of Ball and Roller Bearings". Seller shall include DFARS 252.225-7009 and DFARS 252.225-7016 in all lower tier subcontracts and purchase orders. Seller and its lower tier suppliers shall deliver hardware that is compliant with this order. Seller shall provide a statement that material conforms to DFARS requirements 252.225-7009 and/or 252.225-7016 (if ball/roller bearings are present). This statement must be present on the Certificate of Conformance or other documentation that provides traceability to the Purchase Order and Part Number. Note: If ball bearing contains specialty metals DFAR 252.225-7009 also applies.

(Date Rev: 16-AUG-2021)

#### SQA

##### To Supplier

Software suppliers shall have quality management processes and procedures in place that comply with CMMI or AS9100. Software documents and analysis used to ensure delivered software meets customer requirements, as well as cybersecurity and nuclear surety program requirements, shall include results of SQA process audits & product reviews, software verification and validation (with SQA witnessing), analysis of past program performance and certification, common vulnerabilities & exposures analysis, virus checking, automated static and dynamic code analysis, manufacturer profiling, and supply chain risk management. (Date Rev. 01-FEB-2021)

#### SWLIC

To Supplier

A. This item contains software subject to licensing terms and license expiration. The supplier shall provide the following information with each shipment supplied to TEXTRON SYSTEMS.

1. The expiration date of the software license, unless activation is tied to a future date such as delivery of the licensed product to a customer.
2. TEXTRON SYSTEMS' purchase order number.
3. License part number.
4. The software licensing period must start no earlier than at the time of purchase.

B. If this item contains two or more software licenses, supplier shall provide the above for each item.

(Date Rev. 15-FEB-2023)

#### TF

To Supplier

TF: Test Fixture. Supplier shall functionally test assembly with Textron supplied procedure and fixture. Contact Textron Buyer for fixture and procedure if necessary.

#### TQ2D

To Supplier

The supplier shall comply with the requirements of AS9120, Quality Management Systems - Aerospace Requirements for stocking distributors. Only certifications completed by an IAF (International Accreditation Forum) accredited company will be accepted.

#### TQ7D

To Supplier

The supplier shall comply with the requirements of ISO 9001:2008, "Quality Management Systems" with no exclusions as a minimum. Only certifications completed by an IAF (International Accreditation Forum) accredited company will be accepted.

#### TQ7E

To Supplier

The supplier shall comply with the requirements of ISO 9001:2008, "Quality Management Systems" with the exclusion of design only as a minimum. Only certifications completed by an IAF (International Accreditation Forum) accredited company will be accepted.

#### TRACE

To Supplier

Board Houses shall maintain full date and lot traceability of all electrical, electronic, electro-optical, and electro-mechanical (EEEE) components that are provided with board assemblies. If not provided by Textron Systems, EEEE components shall only be procured from Original Equipment Manufacturers (OEM) or authorized distributors and shall be consumed within 5 years from the date of manufacture. Shipment of assemblies shall be accompanied by Certificates of Conformance (CofC) from the seller(s) for each provided assembly. Lot and Date Code traceability is required and shall include the Lot/Serial Number and Date of Manufacture of the assembly.

(Date Rev. 10-FEB-2022)

#### TRAVEL

To Supplier

Seller shall be reimbursed for actual, reasonable travel expenses incurred while in an authorized travel status including transportation by common carrier and/or mileage for personal automobile use, coach airfare, hotel, meals, rental car and miscellaneous expenses. Reimbursements paid to Seller shall not exceed amounts paid by Buyer to its own employees under similar circumstances. All invoices for travel expenses shall be accompanied by itemized, documented receipts, based on what is required by Buyer of its own employees. All travel costs shall be in accordance with Federal Acquisition Regulation (FAR) Clause 31.205-46, Travel Costs. The total not-to-exceed amount for travel authorized under this Agreement shall be as set forth in the Order.

Maximum allowable rates for travel expenses shall be as of the date the expense is incurred and as set forth at the [www.gsa.gov](http://www.gsa.gov) web site. Current per diem rates are posted on the GSA web site under GSA Home, Policy & Regulations, Travel Management, Per Diem, Per Diem Rates: <http://www.gsa.gov/portal/category/21287>

Current personal automobile mileage rates are posted on the GSA web site under GSA Home, Policy & Regulations, Travel Management, POV Mileage Reimbursement Rates: <http://www.gsa.gov/portal/content/100715>

#### TRC137

To Supplier

The cage code of the manufacturer of the product supplied shall be recorded on the certificate of conformance (C of C).

#### Tooling Inspection

To Supplier

Inspection required for new tool. Requirements are those dimensional, visual, functional, mechanical, and material features or properties, which describe and constitute the design of the tooling as specified by drawing requirements. These characteristics can be measured, inspected, tested, or verified to determine conformance to the design requirements. The supplier is required to submit 100% inspection data, indicating the features inspected, the actual dimensions recorded, and the acceptance criteria, from new tooling. Material certifications must reflect the material/process specification that is stated in the drawing. The data shall be provided on AS9102 Form 3 or equivalent, and be submitted to TEXTRON SYSTEMS? Supplier QA group at [supplierquality@textronsystems.com](mailto:supplierquality@textronsystems.com). (Updated 1/23/20)

#### U9VCOUNT

To Supplier

CERTIFICATE OF CONFORMANCE MUST INCLUDE ORIGINAL EQUIPMENT MANUFACTURER (OEM) TRACEABILITY DATA FOR ALL PARTS BEING PURCHASED. FULL MANUFACTURER CERTIFICATIONS MUST BE PROVIDED WITH EACH SHIPMENT TO VALIDATE THE PEDIGREE AND TRACEABILITY OF THE LOT BY DATE CODE(S) / LOT CODE(S).

UIDR

To Supplier

UIDR - SUPPLIER IS NOT REQUIRED TO PROVIDE UID LABEL(S) OR VERIFICATION SHEET SHOWN ON DRAWING AND/OR PO CODES. TEXTRON SYSTEMS WILL IDENTIFY PRODUCT WITH LABEL(S) UPON RECEIPT. (Rev. 6 Jan 2020)

UIDS

To Supplier

UIDS - UID Label Required. Label format to follow requirements of either the Engineering Drawing or Marking Specification 50301-40025 as applicable. UID labels shall be produced and verified in accordance with the latest revision of MIL-STD-130. Quality symbol verification reports shall be completed and submitted with each shipment IAW MIL-STD-130 5.2.7 MRI marking quality. Human readable information (except direct part markings) shall be legible and accurate. UID markings shall be affixed to be easily accessible for scanning and visual verification unless otherwise noted on the applicable drawing(s).

Supplier shall deliver an electronic file containing the UII values, using the format specified in the XML file provided in the subcontractor's data package, to: <https://matrix.systems.textron.com/matrix/ADCL.html>. Refer to the instructions link on that page for additional information. A valid entry is required for each element where "N/A" is not present. If needed, contact your Textron Systems Supplier QE for assistance. (Revision: 21-Dec-2017)

UIDS1

To Supplier

UIDS1 - UID Label Required. Label format to follow requirements of either the Engineering Drawing or Marking Specification 50301-40025 as applicable. UID labels shall be produced in accordance with the latest revision of MIL-STD-130.

UID markings shall be affixed to be easily accessible for scanning and visual verification unless otherwise noted on the applicable drawing(s).

Supplier shall deliver an electronic file containing the UII values, using the format specified in the XML file provided in the subcontractor's data package, to: <https://intranet.aaicorp.com/matrix/ADCL.html>. Refer to the instructions link on that page for additional information. A valid entry is required for each element where "N/A" is not present. If needed, contact your Textron Systems Supplier QE for assistance.

WGT-S - Weight

To Supplier

VENDOR SHALL PROVIDE THE WEIGHT OF THE ITEM ON THE PACKING LIST, CERTIFICATE OF CONFORMANCE OR SEPARATE DOCUMENT. (REVISED June 3, 2021)

XR-SP

To Supplier

XR-SP: X-Ray, Solder Paste. The Supplier shall contact Textron Supplier Quality Engineer (SQE) to receive past history nonconformance data. Textron SQE will supply a list of component locations that shall be 100% solder paste inspected and 100% x-ray inspected post-assembly. As a preventative measure, the SQE will review the design and determine if other areas may be subject to inspection. Inspection data shall be maintained on file at Supplier facility for a period of seven (7) years. Textron SQE may review data during a process review.

XRAY

To Supplier

Supplier shall provide results of radiographic inspection. The supplier shall have the necessary equipment to review and evaluate x-ray film, or electronically saved images from real time x-ray, in accordance with ASTM E 1742, Standard Practice for Radiographic Examination. Unless otherwise specified by Textron Systems drawing or specification, each radiograph shall comply with ASTM E 1742 Standard Practice for Radiographic Examination, MIL-STD-883 Test Method and Procedures for Microelectronics, MIL-STD-750 Test Method for Semiconductor Devices. A final report consisting of serial number location, x-ray orientation, and electronic position shall be recorded and provided in .pdf format. The supplier shall email a copy of the final report as well as radiographic film or electronically recorded images (jpg or tiff format only) to SUPPLIERQUALITY@TEXTRONSYSYSTEMS.COM. (Date Rev. 13-JUL-2021)