

# TEXTRON Systems

## Purchase Order Codes

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

As of 11/17/2021

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 or date code for all line item instances of this part number specified on the purchase order. Mixed lot or date codes are not permitted. If a singular lot or date code cannot be provided, contact the buyer. (Date Rev. 13-JUL-2021)

1S

To Supplier

SOURCE INSPECTION SHALL BE PERFORMED BY TEXTRON SYSTEMS AT THE SUPPLIERS 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

GOVERNMENT INSPECTION, GOVERNMENT INSPECTION WAIVER, OR PROCESS REVIEW IS REQUIRED PRIOR TO SHIPMENT FROM YOUR FACILITY. UPON RECEIPT OF THIS ORDER, PROMPTLY NOTIFY THE GOVERNMENT REPRESENTATIVE WHO NORMALLY SERVICES YOUR FACILITY SO THAT APPROPRIATE PLANNING FOR GOVERNMENT INSPECTION OR PROCESS REVIEW CAN BE ACCOMPLISHED. PRIOR TO SHIPMENT, SUPPLIER IS REQUIRED TO OBTAIN APPROVAL FROM DCMA DENOTING ACCEPTANCE OR WAIVER OF INSPECTION OR PROCESS REVIEW. DCMA APPROVAL SHALL BE DENOTED ON SUPPLIER'S SHIPPING DOCUMENT. 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. (Rev. 28 April 2020)

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.
- 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

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. (modified date: 12-May-2015).

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.textronsystems.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

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 \* MATERIAL REQUIRES SPECIAL ENVIRONMENTALLY-CONTROLLED HANDLING \*  
 \* AND STORAGE. FREEZER STORAGE IS REQUIRED. \*  
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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)

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 BE TREATED AS IF IT HAS A 5 YEAR SHELF LIFE FROM DATE OF MANUFACTURE. 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. AT LEAST 40% OF THE SHELF LIFE MUST BE REMAINING ON THE PART. IN THE EVENT THAT THE 40% SHELF REQUIREMENT CAN NOT BE MET, CONTACT THE TEXTRON SYSTEMS BUYER FOR DIRECTION. (Date Rev. 01-JUN-2021)

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

Lot Traceability is required. The C of C shall include either of the following: 1) Manufacturer ~~the~~ lot number/ batch number OR 2) Serial number and ~~the~~ manufacturing date.  
(Date Rev. 09-SEPT-2021)

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

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 \*  
 \* 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. \*  
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(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:

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ATTENTION:

THIS PACKAGE CONTAINS  
HYBRID DEVICES THAT REQUIRE  
SPECIAL HANDLING/STORAGE

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(Rev. 18July2016) 7N

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 and email a copy to SUPPLIERQUALITY@TEXTRONSYSTEMS.COM (Rev. 6 Jan 2020)

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)

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.(Rev date: 13-Dec-2017)

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

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* 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.
*****

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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 A PPROVAL BY TEXTRON SYSTEMSEHS PRIOR TO STARTING WORK. THE SUPPLIER SHALL PROVIDE THE FOLLOWING INFORMATION WITH EACH SHIPMENT:

- 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. \*\*\*

(REV. 02- JUN-2021)

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)

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)

## 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)

## 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

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. 6 Jan 2020)

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)

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

C4

To Supplier

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

C10

To Supplier

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

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.

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)

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.textron.com/services-support/suppliers>", select the "CSI Program Activities" (QA-SP65) link. (Rev. 6 Jan 2020)

## DPAR

### To Supplier

DPA Retains. The vendor shall provide an additional three (3) devices per lot date code of EEEE parts (Electronic, Electrical, Electro-Mechanical and Electro-Optical) 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 per lot date code combination. Packaging and Handling shall be in accordance with ANSI S20.20. 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
4. A copy of the elemental analysis for metallic finishes/const ruction (i.e. XRF/EDS) (Date Rev. 01-JUN-2021)

## 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. Test data shall be supplied with shipment.

## 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. (11/17/20)

INSP  
To Supplier

Supplier shall conduct 100% inspection of all drawing characteristics (including drawing notes) for the first and last piece of each production run. Inspection results shall be documented on the P0-F283 Form located on the Textron Systems Supplier Quality Portal at the following URL: [https://www.textronsystems.com/sites/default/files/documents/P0-F283\\_1.pdf](https://www.textronsystems.com/sites/default/files/documents/P0-F283_1.pdf). The P0-F283 Form shall be submitted with shipment of material to Textron Systems. (Date Rev. 17-NOV-2021)

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)

## 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](mailto: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

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

- Original mill certificate.
- 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 4/23/2021)

## NADCAP

To Supplier

Suppliers and their sub-tiers of Special Processors are required to be accredited by NADCAP or approved by Textron Systems for Special Processes indicated on drawings, requirement flow downs or used in determination of acceptance testing.

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. 16-AUG-2021)

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.

NGC

To Supplier

Supplier is informed, as required by Northrop Grumman Corporation (NGC), that NGC is the customer for the product in which this item will be used. (Date Rev. 01-JUN-2021)

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)

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](mailto:SUPPLIERQUALITY@TEXTRONSYSTEMS.COM).
- 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

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)

PM&P

To Supplier

Supplier shall provide ~~certification and~~ test results demonstrating that no prohibited materials (Pure Cadmium, Pure Zinc, Pure Tin) are present in delivered product. Constructions and finishes containing pure cadmium or pure zinc are prohibited. Constructions and finishes containing pure tin are prohibited unless they contain a minimum of 3 weight percent lead. The use of lead-free solder alloys is not acceptable unless approved by Textron Systems (Sn96/Ag4, Sn95/Sb5, and Au80/Sn20 are only acceptable when indicated in Textron Systems drawing or specification). Elemental Composition Test results (e.g., XRF or EDS) shall provide quantitative accuracy sufficient to preclude prohibited material on all metallic surface finishes (external and internal device cavity). This requirement shall be flowed down to any sub-tiers. (Date Rev. 09-SEPT-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)

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)

#### 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 ESRS.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. (Date Rev. 01-FEB-2021)

## 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](mailto: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.

## 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.
2. Textron Systems purchase order number.
3. Mil-spec or part number as applicable.
4. At least 75% of the software licensing period must be remaining on the item.

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

(Rev. 6 Jan 2020)

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)

## 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.

## 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@TEXTRONSYSTEMS.COM. (Date Rev. 13-JUL-2021)