

REVISIONS

REV	DESCRIPTION	DATE	APPROVAL
AC	See ECO-160736	7/15/16	Joyce Davis
AD	See ECO-170089	1/6/17	Joyce Davis
AE	See ECO-180133	2/15/18	Joyce Davis
AF	See ECO-210189	3/24/2021	Betty Howard

DOCUMENT P-202

**ADDITIONAL TERMS AND PROVISIONS
TO PURCHASE ORDERS**

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Primary Approval by:

Kevin Blocker, Vice President of Operations

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**DOCUMENT P-202
ADDITIONAL TERMS AND PROVISIONS
TO PURCHASE ORDERS**

As used in this document,

- “CED” refers to Chemring Energetic Devices
- “Government” refers to the United States Federal Government
- “Supplier” refers to the manufacturer or vendor/distributor of materials or services that accept CED purchase orders
- “DFAR” refers to Defense Federal Acquisition Regulation. Using the CRM system, CED contracts personnel link applicable requirements to job numbers. When CED buyers link a purchase order to the same job number, the applicable requirements appear on purchase orders that are placed against that job number.
- “FAR” refers to Federal Acquisition Regulations. Using the CRM system, CED contracts personnel link applicable requirements to job numbers. When CED buyers link a purchase order to the same job number, the applicable requirements appear on purchase orders that are placed against that job number.

1.0 RIGHT OF ACCESS TO REVIEW

During performance on this order, the quality and inspection system, manufacturing processes and documentation related to this order are subject to review by CED and/or authorized customer and/or government representatives and Regulatory Authorities. Unless you are otherwise notified, inspection or release of product prior to shipment from your company is not required. A copy of this purchase order will be furnished to your Government representative upon their request.

2.0 RIGHT OF ACCESS TO REVIEW SAFETY PROGRAM

The supplier shall allow the Government and Regulatory Authorities access to their facilities, personnel and safety program documentation. The supplier shall allow authorized Government representatives to evaluate safety programs, implementation and facilities.


3.0 GOVERNMENT INSPECTION

Government inspection of this order is required prior to shipment from your company. Upon receipt of this order, promptly notify and furnish a copy to the Government representative who normally services your company, In addition, notify the Government Representative forty-eight (48) hours in advance of the time the order or process is ready for inspection or test. If a Government representative does not service your plant, contact the nearest DCMA office. If you cannot locate the Government office, immediately notify CED Purchasing.

4.0 ABILITY TO SUPPLY BETTER QUALITY

If you are able to supply the desired items with a level of quality that is better than specified or proposed, you are requested to immediately notify the CED Purchasing Supervisor.

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5.0 CED APPROVAL OF PROCESSES

Special processes require CED approval of process equipment, procedures, and personnel. The supplier shall submit their traveler or technique sheet to CED Quality Assurance for review and approval prior to the start of fabrication. Once approved, the supplier must follow the approved process without change, unless authorized in writing by CED. The supplier must certify to and maintain objective evidence of special process specification compliance by all of his subcontractors.

6.0 CED APPROVED PROCESSORS

All processing shall be performed by CED approved processors as listed in the current revision of CED Document Q-208.

7.0 AEROJET ROCKETDYNE APPROVED PROCESSORS

The supplier shall use Aerojet Rocketdyne approved special process sources. The current list will be provided by CED Purchasing.

8.0 BOEING APPROVED PROCESSORS

The supplier shall use Boeing approved special process sources per D1-4426. Boeing maintains the current list at <http://www.boeingsupplier.com/d14426/>.

9.0 LOCKHEED MARTIN APPROVED PROCESSORS

The supplier shall use Lockheed Martin approved special processors. The current list will be provided by CED Purchasing.

10.0 LOCKHEED MARTIN ASTRONAUTICS APPROVED PROCESSORS

The supplier shall use Lockheed Martin Astronautics approved special process sources as specified by CED.

11.0 UNITED LAUNCH ALLIANCE APPROVED PROCESSORS

The supplier shall use United Launch Alliance approved special process sources. The current list will be provided by CED Purchasing.

12.0 AEROJET MEMBER END USE STATEMENT

On subcontracted work for Aerojet product, the supplier’s purchase order shall contain the statement that the articles are for “Aerojet Member End Use” and controlled per applicable purchase order requirement.


13.0 CERTIFICATE OF CONFORMANCE AND TRACEABILITY

A Certification of Compliance with applicable specifications shall be submitted with shipment of this order. Separate certifications are required for each lot.

14.0 CERTIFICATE OF CONFORMANCE OF MATERIAL

Each shipment must be accompanied by one legible and reproducible copy of a material certification that the items were produced: (1) from materials furnished by CED for the production of such items, or (2) from materials for which the supplier has available for examination specific data or other objective evidences of conformance to applicable specifications, or (3) materials produced meet the specifications applicable to CED’s order. The certificate must contain the signature and title of an authorized representative of the supplier and be traceable to the manufacturer and production lot or date code.

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15.0 CERTIFICATE OF ANALYSIS FOR RAW MATERIALS

Certification as to physical and actual chemical properties from the mill or independent laboratory shall be submitted with shipment of this order. Separate certifications are required for each lot and must be traceable to origin and lot or date code.

16.0 CERTIFICATION OF X-RAY

All parts requiring radiographic certifications shall be submitted to a Government and CED-approved X-ray laboratory and processed in accordance with applicable CED and Government standards. Findings shall be reported on an appropriate form, including the name of the reader and the signature and title of an authorized laboratory representative. The X-ray film and two (2) legible and reproducible copies of the report must accompany the material.

17.0 PROCESSING CERTIFICATIONS

Individual certifications are required for all processing, such as, but not limited to, heat treating, applied finishes, plating, and magnetic particle or fluorescent penetrant inspection. Military/Government and industry specifications, standards and documents referenced shall be to the latest revision level in effect on the date of this contract being awarded, unless specified otherwise.

Each shipment must be accompanied by three legible and reproducible copies of a certificate containing the signature and title of an authorized representative for all processes used, such as heat treating, welding, magnetic particle inspection, penetrant inspection, ultrasonic inspection, radiographic inspection, surface preparation and treatment, etc. The certificate shall include the processing used, the specifications to which they conform, and the name of the agency that performed them if other than the supplier. When parts are serialized, serial numbers must appear on the certification.

For Government specifications and standards canceled after June 1994, the last active revision of the canceled standards is applicable until CED Engineering provides an acceptable replacement available.

18.0 AFFIDAVITS AND CURE DATES

Affidavits and cure dates shall be submitted with delivery of this order. Separate affidavits are required for each lot.

19.0 APPROVAL OF SAMPLES

Samples must be submitted for approval before proceeding with this order.


20.0 REMOVAL OF CED PROPERTY

Patterns, molds, dies or tools are the property of CED and are subject to removal at any time at no additional expense unless otherwise specified.

21.0 CARE OF CED PROPERTY

All special dies, molds, tools, plates, negatives etc., supplied to seller for the manufacture of articles covered by this order shall remain the property of CED and shall be kept by seller in good order and repair, ordinary wear and tear alone excepted. Excessive gage wear or damage is the responsibility of the vendor.

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22.0 EXCESS CED MATERIAL

All CED-furnished excess material, scrap or otherwise, is to be identified and held in a bonded area until completion of order, then returned to CED properly identified.

23.0 CONFIRMATION OF RAW MATERIALS

Prior to the commencement of fabrication, the supplier shall determine that the raw materials meet the required specifications.

24.0 FIRST ARTICLE INSPECTION PER AS9102

The supplier shall conduct a First Article Inspection per SAE AS9102. All First Article items shall be clearly identified and results, with serial numbers as applicable, shall be provided with the shipment.

25.0 INSPECTION SYSTEM PER MIL-I-45208A OR ISO-9001

The supplier shall maintain an Inspection System that meets the requirements of MIL-I-45208A or the latest revision of ISO-9001.

26.0 TESTING AND CALIBRATION SYSTEM PER ISO-17025

The supplier shall maintain a Testing and Calibration System that meets the requirements of ISO-17025.

27.0 QUALITY MANAGEMENT SYSTEM PER ISO-9001

The supplier shall have a Quality Management System certified as meeting the requirements of the current revision of ISO-9001.

28.0 QUALITY MANAGEMENT SYSTEM PER AS9100

The supplier shall have a Quality Management System certified as meeting the requirements of the current revision of SAE AS9100.

29.0 RECEIVING SYSTEM PER MIL-STD-1535A

The supplier shall maintain a receiving system per Para. 4.6 of MIL-STD-1535A for receipt of procured supplies.

30.0 CHANGE APPROVAL AND WAIVERS

Written approval shall be obtained from CED before changing either CED or supplier approved designs and/or processes and/or materials, or shipping nonconforming product. In the case of nonconforming product, an approved Waiver Request shall be obtained through www.chemringenergeticdevices.com.


31.0 NOTIFICATION OF CHANGE IN LOCATION

The supplier shall notify CED of any change in location of their facility.

32.0 REPORT OF INSPECTIONS PERFORMED

The supplier shall provide a report of all inspections performed. CED will provide a quality assurance record form (QAR) identifying all attributes which must have a record of inspection, as applicable. The supplier may use the provided CED QAR form or an equivalent for record.

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33.0 NOTIFICATION OF THE RESUBMISSION OF REJECTED MATERIAL

All items rejected by CED and subsequently resubmitted by you shall bear an adequate indication of such resubmission on those items or on the shipping document. Reference shall be made to the CED rejection report and evidence given that the cause for rejection has been corrected.

34.0 CONTROL OF KEY CHARACTERISTICS

Evidence must be provided to CED that key characteristics on this purchase order are statistically controlled to a $Cp_k > 1.33$.

35.0 RETURNED UNIT PACKAGING

Units returned to CED shall be packaged per applicable paragraphs of DOT BOE 6000.

36.0 COUNTERFEIT PARTS OR MATERIALS AND TRACEABILITY

Under no circumstances shall the supplier furnish or cause to be furnished counterfeit or suspect counterfeit parts or materials. Suppliers and sub-tier suppliers shall only purchase parts and materials used to satisfy the CED purchase order through the Original Component Manufacturer (OCM) or Original Equipment Manufacturer (OEM) or through an OCM/OEM Authorized Distributor chain. Parts and materials shall not be acquired from independent distributors or brokers unless approved in advance and in writing by CED. Suppliers shall flow down the contents of this clause to sub-tier suppliers of parts and materials used to satisfy the CED purchase order.

affadavit to manufacturer, lot and or date codes shall be maintained, as specified in this document for Certificates of Conformance, for all parts, whether electronic or mechanical, and materials. This requirement applies whether or not the exact paragraphs are called out on the purchase order.

37.0 MANUFACTURING AND LOT CONTROL

- a. Items covered by this purchase order shall be manufactured from one unchanged process and drawing and shall contain only one lot, batch, or heat of material.
- b. All electronic components delivered under this purchase order shall be manufactured from a single lot/date code.
- c. All items covered under this purchase order shall include Lot/Date Code on the Certificate of Conformance. In the event more than one Lot/Date Code is shipped each Lot/Date Code will be packaged separately and have its own Certificate of Conformance in order to maintain lot integrity.


38.0 BONDED PROCUREMENT

The items covered by this purchase order shall be supplied from Government bonded and certified stores, and shall be certified as such. Where the items are covered by military or Government standards, the standard shall be referenced on the certification. The certification shall accompany each shipment of the items covered by this purchase order.

39.0 QUALIFIED PRODUCTS (QPL)

This item covered by this purchase order shall be supplied from approved manufacturers from Government QPL which are applicable to the military or Government standard referenced by this purchase order. Certifications shall accompany each shipment of the items covered by the purchase order. The certification shall specify the purchase order number and the applicable standard and QPL numbers.

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40.0 RAW MATERIAL MARKING

Materials shall be identified by tagging or strip marking in accordance with FED-STD-183 or -184, as applicable.

41.0 SYNTHETIC RUBBER COMPONENTS AND RAW MATERIALS

a. Synthetic Rubber Components

Each package of synthetic rubber components shall be marked with date of cure, part number, purchase order number, quantity, compound number, and manufacturer's identification (if different than part number). Date of cure on O-rings shipped to CED shall not be older than is permissible under MIL-STD-1523. Synthetic rubber raw materials shall be identified with date of cure, compound, purchase order number, and manufacturer's name.

b. Raw Materials (adhesives, epoxies, sealants, resins, etc.)

- Limited life- and age-controlled items on this order require submittal of a shelf life certificate providing the following information:
- Manufacturer's name, type of material, shelf life, storage requirements, date of manufacture, and usability limiting data.
- Certificates shall be traceable to the items on this shipment by means of batch, serial, or lot number.

42.0 SYNTHETIC MATERIAL MARKING

Materials or articles having definite characteristics of quality degradation or drift with age and/or use shall be marked to indicate the test time, date, or cycle the critical life was initiated or the date and test time or cycle at which the useful life will be expended. Variable data shall be recorded and maintained.

43.0 TEST REPORTS

Each shipment must be accompanied by one reproducible and three copies of all testing performed, such as physical, nondestructive, or functional. The test reports must be identifiable, by serial number and lot number when applicable, with the actual test parameters and the material submitted. These reports must contain the signature and the title of the authorized representative of the agency performing the test and must assure conformance to specification and purchase order requirements.


44.0 PROPRIETARY PRODUCTS

Supplier shall notify CED in writing of any changes proposed in product design, performance specifications, materials, or material processes of the proprietary products as ordered hereunder, and shall obtain CED's approval prior to effecting any such proposed changes.

45.0 REPORT OF DISCREPANCY

For consideration by CED, any departures from drawings, specifications, or other purchase order requirements must be recorded and forwarded to CED, including test events for review and approval. Disposition of these departures must be approved by CED prior to continued processing. Supplier NCR Format is acceptable.

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46.0 SUPPLIER CALIBRATION REQUIREMENTS

- a. The supplier shall provide and maintain a calibration system that complies with ISO-10012, "Calibration System Requirements"
- b. The seller shall provide and maintain a calibration system that complies with ANSI/NC SL Z540.1, "Calibration System Requirements".

47.0 SUPPLIER STATISTICAL QUALITY CONTROL

The supplier shall provide and maintain a sampling inspection system that complies with applicable military standards and sampling plans (e.g., from ASQ Z1.4, ASQ Z1.9, MIL-STD-105, MIL-STD-414, Handbook H016, H107, H108). The system shall be subject to review and approval by CED's customer or representative. Unless the sampling inspection system is approved by CED, the supplier shall inspect 100% of the ordered items.

48.0 PACKAGING

All parts must be packaged and handled in a manner to prevent damage in handling and transit.

49.0 ELECTROSTATIC DISCHARGE (ESD) CONTROLS

All ESD-sensitive materials/facilities must be handled as prescribed in MIL-STD-1686 and DOD-HBK-263, or ANSI/ESD S20.20.

50.0 SOLDERABILITY

The solderability of Electrical, Electronic, and Electromechanical (EEE) parts shall meet the requirements of:

- a. MIL-STD-750 Method 2026 for semiconductors
- b. MIL-STD-883 Method 2003 for microelectronics
- c. MIL-P-55110 for rigid printed wiring boards
- d. MIL-P-50884 for flexible and rigid-flex printed wiring boards
- e. MIL-STD-202 Method 208 for all other EEE parts not covered by (a) through (d) above
- f. IPC-J-STD-002, for component leads, terminations, lugs, terminals and wires

51.0 INSPECTION CHECK SHEET (ICS) TO ACCOMPANY ORDER TO SUPPLIER

The ICS supplied with this order is for information and planning only. Purchase order and/or engineering drawing requirements are not modified in any way by the ICS. Any conflicts of the ICS with any other document should be brought to the attention of the buyer.

52.0 RECORD RETENTION

The supplier shall maintain on file all quality records pertaining to this order for a minimum of five (5) years from date of shipment.


53.0 CED-FURNISHED MATERIAL

When material is furnished to a supplier by CE, the supplier shall:

- a. Examine the material upon receipt to detect damage from transit
- b. Inspect the material for completeness, proper type and quantity
- c. Protect the material against damage from handling or storage
- d. Inspect the material prior to shipment to verify that all CED purchase order and specification have been met

All nonconforming CED-furnished material shall be identified and held in a bonded area until properly dispositioned by the supplier's QA department and CED, properly identified and returned to CED.

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54.0 STATISTICAL PROCESS CONTROL

During the planning stage, the parts for CED shall be reviewed and planned for Statistical Process Control. The Key Characteristics may be used as well those characteristics defining Form Fit and Function of the parts. Supporting data shall be provided to CED.

55.0 UTILIZATION OF SMALL BUSINESS CONCERNS, MINORITY BUSINESS ENTERPRISES, AND HUD ZONES

It is the policy of the Government to provide maximum practicable opportunities in its acquisitions to small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns. Such concerns must also have the maximum practicable opportunity to participate as subcontractors in the contracts awarded by any executive agency, consistent with efficient contract performance. The Small Business Administration (SBA) counsels and assists small business concerns and assists contracting personnel to ensure that a fair proportion of contracts for supplies and services is placed with small business.

Heads of contracting activities are responsible for effectively implementing the small business programs within their activities, including achieving program goals. They are to ensure that contracting and technical personnel maintain knowledge of small business program requirements and take all reasonable action to increase participation in their activities' contracting processes by these businesses.

56.0 SPECIAL PROVISIONS FOR CALIBRATION SERVICES

To provide data for use in regulating calibration intervals and out-of-tolerance analysis, you are required to submit with your Calibration Certificate a written statement which describes to the extent feasible any out-of-tolerance condition found at the time of initial receiving inspection. The characteristic and associated magnitude shall be reported.

57.0 FOREIGN OBJECT DAMAGE PREVENTION

The supplier shall develop and maintain an effective Foreign Object Debris/Damage (FOD) Prevention Program that is proportional to the sensitivity of the design of the product(s) to FOD as well as to the FOD generating potential of the manufacturing methods. The supplier's FOD program is subject to review and approval by CED.

58.0 AMMUNITION AND EXPLOSIVE SAFETY PROGRAM


Manufacturers of ammunition and explosive materials must maintain an approved Department of Defense (DoD) safety program in accordance with DoD 4145.26-M.

59.0 PURE TIN RESTRICTION

The use of unalloyed or pure tin in the internal or external construction of electrical, electronic and electromechanical parts is prohibited without CED written approval unless such construction is permitted for Mil Spec devices. Product that does not contain any tin or tin alloys meets the requirements of this purchase order note. Tin-plated electrical wire compliant to applicable military or industrial standards is considered standard and is not restricted. The solder, plating and coating of the products supplied on this purchase order shall meet the following:

- a. The solder used shall contain a material composition of less than or equal to 97% tin by weight and the remainder shall be any combination of silver and/or lead.
- b. The plated or coated tin alloys shall contain a minimum of 3% lead by weight.

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Definitions

Solder: A metal or metallic alloy used when melted to join two metallic surfaces.

Plating/coating: A tiny layer of metal, such as tin, deposited on or applied to a single surface; for example, electrolytic plating, solder dipped leads, or solder dipped housings.

The supplier shall notify CED prior to implementing any changes by the supplier or its sub suppliers that would result in products specified in this purchase order becoming noncompliant by virtue of incorporating this requirement.

60.0 CONFLICT MINERALS

The supplier shall include with each shipment a Certification of Compliance that states the supplier is in compliance with the "Conflict of Minerals" as defined in Section 1502 of the Dodd-Frank Wall Street Reform and Consumer Protection Act. And no minerals are sourced from the Democratic Republic of the Congo, Angola, Burundi, Central African Republic, The Republic of the Congo, Rwanda, South Sudan, Tanzania, Uganda, Zambia and covered counties.

61.0 PROHIBITED MATERIALS XRF

The supplier shall include with each shipment a copy of an X-Ray Radiographic Florence (XRF) Report for the raw materials provided for each line item called out on the purchase order. Each report shall consist of the prohibited materials as outlined in the NASA-STD-6016 4.2.2 – 4.2.6.6.

62.0 NORTHRUP GRUMMAN APPROVED PROCESSORS

The supplier shall use Northrup Grumman approved special process sources. The current list will be provided by CED Purchasing.

63.0 BUY AMERICAN ACT

All raw materials furnished against this purchase order must be in accordance with the Defense Federal Acquisition Regulation Supplement 225.1101(2) "Buy American Act" and be manufactured in the U.S.A.

64.0 PREFERENCE FOR DOMESTIC SPECIALTY METALS

All specialty metals used in the items manufactured against this purchase order must be in accordance with the Defense Federal Acquisition Regulation Supplement 252.225-7009 Alternate I "Preference for Domestic Specialty Metals."


65.0 AEROJECT ROCKETDYNE HAZARDOUS MATERIALS MANAGEMENT

Supplier shall not use Class 1 and should not use Class II Ozone Depleting Substances (ODSs), as defined in Title IV of the Clean Air Act Amendments of 1990, in the redesign, manufacturing, operation, maintenance and or disposal of components.

Supplier shall minimize or avoid the use of any HAZ MAT with special emphasis on the Environmental Protection Agency (EPA) list of 17 toxic chemicals:

- Benzene
- Cadmium & Cadmium Compounds
- Carbon Tetrachloride
- Chloroform (Trichloromethane)
- Toluene
- 1,1,1-Trichloroethane (Methyl Chloroform)
- Trichloroethylene (TCE)
- Xylenes (All Xylenes)
- Tetrachloroethylene
- Mercury & Mercury Compounds
- Methyl Ethyl Ketone
- Methyl Isobutyl Ketone
- Nickel & Nickel Compounds

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Chromium & Chromium Compounds Cyanide Compounds & Hydrogen Cyanide Methylene Chloride (Dichloromethane)
Lead & Lead Compounds (except the use of solder in electronic components is acceptable to the Buyer)

As well as the Department of Defense Top 10 Toxic Release Inventory (TRI) list of hazardous chemicals:


Ethylene Glycol Hydrochloric Acid Hexachloroethane Methylene Chloride Methyl Ethyl Ketone Phenol Tetrachloroethylene (PCE)
1,1,1,-Trichloroethane (TCA) Toluene
Zinc compounds

The Certificate of Compliance or Conformance issued by the supplier to CED includes compliance with this clause.

66.0 NADCAP CERTIFIED PROCESSORS

Processors must have a current NADCAP (National Aerospace and Defense Contractors Accreditation Program) certification for the process being performed.

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