



## Purchase Order Quality Clause Standard Requirements for San Diego, CA

### Q1 - INSPECTION AND TEST SYSTEM REQUIREMENTS

The supplier Inspection and Test System is subject to audit, verification and approval and/or disapproval by Dart Aerospace and their designated representatives. The supplier shall establish and maintain an Inspection and Test System in compliance with the requirements of:

- a. AS9100
- b. AS9110
- c. AS9120
- d. ISO 9001
- e. MIL-I-45208
- f. MIL-Q-9858
- g. 14CFR 21.303
- h. 14 CFR 145
- i. EASA 21
- j. EASA 145
- k. CASE
- l. NADCAP
- m. Other

### Q2 – EARLY SHIPMENT

Do not ship prior to required date. Please notify buyer of any changes in your schedule.

### Q3 – SHIP COMPLETE

Order must ship complete; no partial deliveries will be accepted without prior approval from Dart Aerospace.

### Q4 – SHELF LIFE

- a. Product must have at least 95% or more of the shelf life.
- b. Product must have at least 75% or more of the shelf life.
- c. Product must have at least 65% or more of the shelf life.
- d. Supplier must record the "out-time" requirements of exposure sensitive material (pre-preg) on the packing list for each shipment of such material(s).

### Q5 - FEDERAL REGULATIONS

- a. Executive Order 11246 as amended, 41 CFR 60-1, Affirmative Action Obligations of Contractors and Subcontractors, 41 CFR 60-250,
- b. Affirmative Action Obligations of Contractors and Subcontractors for Disable Veterans and Veterans of the Vietnam Era, and 41 CFR 60-741, Affirmative Action Obligations of Contractors and Subcontractors for Handicapped Workers, are herein incorporated by reference.

### Q6 - DISPUTES

The laws of the State of California shall govern any disputes arising out of, or in connection with, Dart's Purchase Order.

### Q7 – SOURCE INSPECTION

Onsite inspection of ordered product is required prior to shipment to Dart Aerospace. Supplier must contact Dart Aerospace Purchasing/buyer and establish verification arrangements. Source Inspectors for Dart Aerospace will have full access to all drawings, specifications, Purchase Orders, Acceptance Test Procedures and reports for the items being purchased.

### Q8 – MRB AUTHORITY

Material Review Board authority is not authorized on this purchase order.

### Q9 – APPROVAL AND CHANGES

The supplier shall notify the buyer of any proposed changes in the design, fabrication methods, or processes previously approved by the buyer and/or the buyer's customer, and obtain written approval of the changes from the buyer and/or the buyer's customer. Changed articles shall be clearly identified and in a different manner from the previous articles. When the buyer procures a proprietary item, the supplier shall notify the buyer of changes. Other changes shall include management, ownership, and manufacturing location(s).



**Q10 – RAW MATERIALS**

Raw materials shall be accompanied with certifications, chemical and/or physical test results that are legible. The supplier shall certify the specific requirements defined on the face of the purchase order. The reports shall contain the signature and title of the authorized representative of the agency performing the test and must assure conformance to the specification requirements set forth in the PO.

**Q11 – IDENTIFICATION AND DATA RETRIEVAL**

The supplier shall be able to provide data and information where and to the extent that traceability is a specific requirement; the supplier shall apply a unique identification to the individual product, material, or batch. This identification data shall be recorded on and traceable to related supplier's records (see supplier quality records).

**Q12– SUPPLIER QUALITY RECORDS**

The supplier shall maintain suitable inspection and test records to serve as evidence of conformance with specified requirements of the PO. Such records shall be legible and traceable to the product involved. These records shall be maintained for a minimum period of seven (7) years from the date of final manufacture or as stated otherwise in the contract.

**Q13 – SUBMISSION & RESUBMISSION OF NONCONFORMING ARTICLES OR MATERIALS**

Do not send nonconforming products or materials to Dart Aerospace without prior written authorization. Nonconforming articles and/or materials returned by the buyer and subsequently resubmitted by the supplier shall bear adequate identification of such nonconformance, on the articles, materials, or applicable supplier's records. The supplier shall provide evidence that the cause of the nonconformance was corrected and that actions were taken to preclude and reoccurrence.

**Q14 – ACCESS TO SUPPLIER'S FACILITIES**

Right of access shall be granted by the supplier to Dart Aerospace, their customers, US government, and/or regulatory agencies to the applicable areas of all supplier facilities, at any level of the supply chain, involved in the order and to all applicable records.

**Q15 – FIRST ARTICLE**

Supplier shall perform a first article inspection in accordance with the requirements set forth in Purchase Order Information and/or Quality Clause requirements. Suppliers shall forward one (1) copy of the First Article Inspection Report (FAIR) to the buyer. FAIs shall be performed on all new and revised production manufactured items by seller at supplier's facility. Results of FAI's will be documented on the FAIR shall be maintained at the supplier's facility and be available for review by Dart Aerospace when requested.

- a. FAIs shall be performed and completed at the supplier's facility before shipment of the order(s). Dart Aerospace will conduct or witness inspection(s) and/or tests and the results will be on a report form identified with part number serial number (if applicable) or lot number, AS9102 shall be used as the report's convention.

**Q16 – CERTIFICATE OF CONFORMANCE**

Supplier shall provide evidence that the processes requested in this purchase order were performed by approved sources. The supplier shall maintain such evidence on file. Included with each shipment to the buyer shall be a certificate of conformance (C of C) indicating as a minimum the process, description, process number, name and address of the process supplier, the purchase order and part number. Each shipment shall be accompanied by reproducible copy of the C of C containing the signature of the person authorizing the release of the product for shipment to Dart Aerospace. When the product is serialized the serial numbers shall be included on the CofC.

- a. Supplier to provide FAA 8130, Airworthiness Certificate.
- b. Supplier to certification(s) per Q34 herein.
- c. Supplier must provide process certification from the applicable OEM with order and shipment.

**Q17 – MATERIAL TRACEABILITY**

Identification of each piece of material and each report is required by specification to provide traceability to heat lot or batch number.

**a. Sheet or Plate Stock (Metal or Non)**

Each sheet or plate shipped shall be identified by continuous marking and/or stenciling of sufficient size to readily legible. Permanent ink or dye of contrasting color and non-degrading to the material's surfaces. Information shall include but not be limited to material type, specification and temper.

**b. Rod, Bar, Tube (larger than 0.500" in cross section)**

Each rod, bar or tube shipped shall identified by continuous marking and/or stenciling of sufficient size to readily legible, identification character strings shall be less than 12 inches between each string. Permanent ink or dye of contrasting color and non-degrading to the material's surfaces. Permanent ink or dye of contrasting color and non-degrading to the material's surfaces. Information shall include but not be limited to material type, specification and temper.



**c. Rod, Bar, Tube (smaller than 0.500" in cross section)**

Rod, bar or tube shipped shall be bundled together; each bundle shall contain materials from the same manufacturing, heat treat batch. And shall be identified as follows: An adhesive label or tag with identification with permanent markings securely attached to the bundle. The following information but not limited to shall appear on the label or tag: material type, specification and temper.

**Q18 – DART AEROSPACE PROCESSES**

Supplier shall ensure that any process and/or testing (destructive or non-destructive) requested by this PO shall be approved by Dart Aerospace prior to being performed. The sub-vendor to the supplier shall appear on the ASL for Dart Aerospace.

**Q19 – CONTROL OF SUB-TIER SOURCES**

The supplier, as the recipient of the PO or Contract, is responsible for meeting all PO/Contract specified technical and quality requirements, whether the supplier performs, the work or the work is performed by the supplier's sub-tier sources. When the supplier uses sub-tier sources to perform work on products and/or services scheduled for delivery to Dart Aerospace, the supplier shall include (flow-down) on Purchase Orders of Contracts, to their sub-tier sources, all of the applicable technical and quality requirements of the Dart Aerospace P.O. or Contract, including, when applicable the requirements to document and control "key characteristics" and/or "key processes", and to furnish certifications and test reports required by the applicable P.O. Quality requirements.

**Q20 – SUPPLIER NOTIFICATION OF NONCONFORMING PRODUCTS DELIVERED TO DART AEROSPACE**

When the supplier has determined that the nonconforming product(s) and/or Quality Escapes have been delivered to Dart Aerospace, the supplier shall notify Dart Aerospace within twenty-four (24) hours of the initial discovery. The supplier shall use receipt acknowledgment e-mail or other positive notification methods. The notification shall include the supplier name, Dart Aerospace PO/Contract number, part number and description, affected quantity and serial numbers (if known), dates delivered (if known), brief description of the nonconforming condition.

**Q21- RESERVED FOR FUTURE USE**

**Q22 – REQUIREMENTS FOR QUALIFICATION OF PERSONNEL**

Where applicable, only qualified/certified personnel shall be used based on process specification requirements (NDT, etc). Records shall be maintained of the personnel's qualifications/certifications.

**Q23 – DELEGATED AUTHORITY OF INSPECTION FOR RAW MATERIAL**

Where applicable, Dart Aerospace authorizes the supplier to perform receiving inspection on all raw materials, purchased by Dart Aerospace which was shipped directly to the supplier from another Dart Aerospace supplier. When the order is complete, the supplier shall ship the original packing slip and material certification to Dart Aerospace with the order.

**Q24 – ITAR REQUIREMENT**

22 USC § 2778 :The supplier shall hereby acknowledge that any information exchanged between Dart Aerospace and the supplier may include documents which contain technical data, export of which is restricted by the INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (ITAR) Disclosure to foreign persons without prior U.S. Government approval is prohibited. Violations of these Export Laws and Regulations are subject to severe Civil and Criminal penalties.

**Q25 – HARDWARE/COUNTERFEIT PREVENTION PROGRAM**

Distributors or brokers that supply non-electrical standard parts (hardware), like fasteners, nuts, washers, springs, O-rings, inserts, and pins, must be shipped in a sealed OCM (Original Component Manufacturer) container, which contains the name of the OCM, Part Name/Number, and a Heat/Lot/Control Number at a minimum. If that is unavailable, the original OCM Certification must be included with the shipment.

- a. Public Law 101-592 Fastener Quality Act, Section 7 shall include: Part Number, Lot Number, Manufacturers Name, Dart Aerospace PO Number, and a statement to the effect that the manufactures certification is on file with the distributor.

**Q26 – SURFACE TREATMENTS AND PAINTED PARTS**

Parts requiring paint, primer, anodize, pretreat or chem-film shall to be completed per MPP-172.

- a. Q16 applies, OEM process certification required.

**Q27 – Military Rated Order**

This is a rated order certified for national defense use, and the subcontractor shall follow all the requirements of the Defense Priorities and Allocations System regulation (15 CFR 700).

If the attached Purchase Order is part of a Federal Government contract, then the following clauses apply (Q28). Priority DX-A1 and DO-A1 rated orders are certified for national defense use, DPAS regulations found in 15 CFR, Part 350 apply.



**Q28 - THE FOLLOWING FEDERAL REGULATIONS ARE HEREIN INCORPORATED BY REFERENCE:**

- (1) 48 CFR 52.203-6 Restrictions on Subcontractor Sales to the Government
- (2) 48 CFR 52.203-7 Anti-Kickback Procedures
- (3) 48 CFR 52.209-6 Protecting the Government's Interest when Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment
- (4) 48 FR 52.214-28 Subcontractor certified Cost or Pricing Data – Modifications – Sealed Bidding (OCT 2010)
- (5) 48 FR 52.222-50 Human Trafficking
- (6) 48 FR 52.222-7007 Person Trafficking
- (7) 48 FR 52.222-1 Notice to the Government of Labor Disputes
- (8) 48 CFR 52.222-18 Certification Regarding Knowledge of Child Labor for Listed End Products
- (9) 48 CFR 52.222-37 Employment Reports on Veterans
- (10) 48 CFR 52.223-1 Bio based Product Certification
- (11) 48 CFR 52.223-2 Affirmative Procurement of Bio based Products Under Service and Construction Contracts
- (12) 48 CFR 52.247-64 Preference for Privately Owned U.S. – Flag Commercial Vessels
- (13) 10 USC, 2533b Berry Amendment
- (14) 41 USC § 8301 -8305 Buy American Act

**Q29 – IDENTIFICATION, PRESERVATION, PACKAGING, AND PACKING**

All shipments to Dart Aerospace must be packaged to avoid damage and deterioration and must be shipped to the address specified on the PO unless otherwise noted. Packaging and packing shall be in accordance with good commercial practices unless otherwise specified on the PO. Parts shall not be intermingled unless otherwise specified. Each box or container shall be labeled and have as a minimum the following information:

(1) Part number and revision, (2) PO number, (3) PO Line Item, (4) Quantity and (5) Manufacturer's identification. Dangerous Goods shall be identified as required by DOT, IATA, and CFR regulations and standards, a decal must be affixed to the outside of the container as well as the shipping documentation. An MSDS shall accompany the shipping documentation and the shipment its self.

**Note: Wood pallets fabricated outside of the United States must be treated for infestations and identified on the pallet in accordance with U.S. Regulations.**

**a. Individual Packaging Requirements:**

All parts inclusive of this PO shall be packaged separate from one another to avoid damage and/or deterioration. Sheet foam, bubble wrap, or suitable paper wrapping shall be used.

**b. Painted Parts Packaging and Handling:**

Painted parts whether primed or finished shall be completely cured or outgassed prior to shipment and/or packaging so that re-wetting does not occur. Painted parts shall be individually wrapped for protection to keep them from chipping, being marred or scratched.

**Q30- INTERCOMPANY SHIPPERS**

When products are transferred or shipped between Dart Aerospace facilities, applicable regulatory certification(s) shall accompany each shipment and/or part and the document numbers must be recorded on the shipping documentation.

**Q31- DISCLOSURE(S) OF EU and CALIFORNIA ROHS WEE, REACH/ PROP. 65**

EU and California environmental rules and requirements must be declared and/or abided by; for all materials within this shipment. This includes recycling requirements, declarations of non-compliance and information thereof for products used in the manufacture and/or sold to the buyer of this Purchase.

**Q32 - CERTIFICATION OF SPECIAL PROCESSES AND ITS INCLUSIVE LINE ITEMS**

If drawings and/or specifications listed in this purchase order require special processes at the seller or the seller's sub-tier, these processes shall be documented, reviewed and approved by Dart Aerospace prior to production. Approval of special processes by Dart Aerospace does not absolve the supplier from supplying conforming product. These processes include, but not limited to, the following: bonding, brazing, casting, chemical surface treatments, composites, conformal coating, contamination control, Destructive Physical Analysis (DPA), dye penetration inspection, forging, heat treating of metals, painting, plating, pressure testing, magnetic particle inspections, radiographic inspection, soldering, ultrasonic inspection, welding, or any other process defined in the purchase order.

**a. Flammability Testing**

Test results for Flammability testing shall be in accordance with the requirements of 14CFR, Part 25.853, Part 855, Part 856 (a), AC25.856-1 and as designated below:

- I. 14CFR, Part 25.853(a) Appendix "F" Part I will be met for flammability, or the latest revision of the Aircraft Materials Fire Test Handbook (DOT, FAA, AR-00/12) and applicable amendments. Test set-up photos and/or description shall be part of the required report.



- II. 14 CFR, Part 25.853(d), Appendix "F" Parts IV will be met for heat release capability, or the latest revision of the Aircraft Materials Fire Test Handbook (DOT, FAA, AR-00/12) and applicable amendments. Test set-up photos and/or description shall be part of the required report.
- III. 14CFR, Part 5.85 Appendix "F" Parts V will be met for smoke emission, or the latest revision of the Aircraft Materials Fire Test Handbook (DOT, FAA, AR-00/12) and applicable amendments. Test set-up photos and/or description shall be part of the required report.
- IV. Flammability, heat, and smoke emission reports shall be completed in accordance with Part 25.856 (a) and/or AC25.856-1.

### **Q33 - PRINTED CIRCUIT BOARDS**

PCB's will comply with IPC-A-600 unless otherwise specified.

**Note: The supplier will default to Class 3 requirements if the class is not otherwise specified on the PO or other buyer supplied documents.**

- I. **Printed Circuit Board Assemblies**  
PCBA's will comply with IPC-A-610, Acceptability of Electronic Assemblies, unless otherwise specified.
- II. **Printed Circuit Board Assemblies**  
PCBA's will comply with IPC-J-STD-001, requirements for Soldered Electrical and Electronic Assemblies unless otherwise specified.
- III. **Electrical Cables**  
Electrical cables shall be identified with part number and manufacturing code. The spool and Certificate of Conformance shall be identified per applicable standard/specification with the following information: standard/specification, size code, manufacturing year, country code (if applicable) and manufacturer.
- IV. Electrical Wiring Harnesses shall be assembled and tested in accordance with IPC 620 and the applicable "J" standard(s) that are associated with Harness's assembly type.

### **Q34 - FAA "STATEMENT OF CONFORMITY"**

Products on this order are subject to mandatory Federal Aviation Administration (FAA) conformity inspection verification. When this conformity inspection is performed at supplier's facility, Dart Aerospace will complete FAA form 8130-9 "Statement of Conformity" and notify the appropriate FAA representative. After completion of the FAA conformity inspection verification, supplier shall include one copy of FAA form 8130 with each conforming part shipped as evidence of inspection. These forms can be provided by Dart Aerospace purchasing department if desired.

### **Q35 - FOD**

The Supplier shall assure that devices, components and materials delivered under this contract are free of Foreign Object Debris (FOD). The Supplier shall employ general prevention practices to keep FOD, large or small, from the product and packaging. FOD contamination will be cause for rejection of material.

### **Q36 - KEY CHARACTERISTIC FLOW DOWN**

Dart Aerospace shall provide and identify Key Characteristics in which the Supplier must control. The Supplier shall collect Key Characteristic data and recorded data on Dart Aerospace approved control plan system. Dart Aerospace may also identify process parameters as key. When denoted, these key process parameters are considered as key characteristics and must be controlled accordingly. If key characteristics have not been provided, the supplier must evaluate for them. All parts, including first articles, required to be manufactured to this Key Characteristic Flow down requirement requirements shall be represented on a control plan, or equivalent, with the Key Characteristics block completed prior to going into production. The information on this form, or equivalent documentation, is auditable and must be revised as necessary. The Supplier shall collect and analyze appropriate information and data to determine Key Characteristics. Dart Aerospace will supply an engineering specifications (engineering requirements such as process parameters or dimensional specifications) and key characteristics identified by either Dart Aerospace customer must be recorded on the control plan, or equivalent, or the manufacturing plan. The process step, control chart used, sample size, and sampling frequency shall be recorded on the control plan, or equivalent, or manufacturing plan. Each key process parameter and its setting and the control methods used to monitor it shall be recorded on the control plan, or equivalent, or the manufacturing plan. The Supplier must continuously monitor Key Characteristics.

#### **a. Statistical Process Control (SPC)**

The supplier must apply Statistical Process Control (SPC) to the items on this Purchase Order (PO). A Cpk of 1.33 or greater is required. Each shipment must be accompanied by with a signed copy of the applicable SPC control plan(s). The control characteristics listed in the SPC control plan shall be approved by Dart Aerospace Quality Assurance prior to commencing with production/processing of the materials and/or parts.



**Q37 – COMMERCIAL OFF THE SHELF (COTS)**

Items and/or material on this PO have been procured as standard catalog items. The initial shipment of these items shall be accompanied (if possible) by the catalog/drawing from which these items were purchased for verification at Dart Aerospace Receiving Inspection Department.





## Purchase Order Quality Clause Standard Requirements for Hawkesbury Canada

### A000 - QUALITY CLAUSES NOT REQUIRED

Non-shippable items, for Dart Aerospace internal use only.

### A001 - STATISTICAL PROCESS CONTROL

The supplier must apply Statistical Process Control (SPC) to this purchase order. A (Cpk) of 1.33 or greater is required. Each shipment must be accompanied with a signed copy of the applicable SPC Control Plan(s). The Control Characteristic listed in SPC Control Plan shall be approved by DART AEROSPACE Quality Assurance prior to commencing with production / processing.

### A002 - FABRICATION INSPECTION SYSTEM (FIS) FAR21.303

The supplier's shall maintain a FIS in compliance with the requirements of FAR 21.303 (h). The FIS shall be approved and subject to audit by FAA, or its representative at any time.

### A003 - QUALITY SYSTEM SURVEILLANCE

As a DART AEROSPACE supplier, the Seller's "Quality Control System" shall be subject to surveillance by DART AEROSPACE.

### A004 - FAA-PMA /TSO

As a DART AEROSPACE supplier manufacturing an article or component for which DART AEROSPACE holds Supplemental Type Certificates (STC), your inspection system shall be subject to inspection by DART AEROSPACE at a level commensurate with criticalness of the article or component.

### A005 - RIGHT OF ENTRY

Allows DART AEROSPACE, its customers and regulatory agencies the right of access, through prior notification, to determine and verify the quality of work, applicable quality records and materials at all applicable area of all facilities, at any level of the supply chain, involved in the order.

### A006 - REQUIREMENTS FOR AIRWORTHINESS CERTIFICATION

Conformity Certification is required for articles specified on this purchase document. Include with each shipment, a true copy of Form One, Authorized Release Certificate, for Airworthiness. Foreign government equivalent to FAA Form 8130-3 is acceptable for imported articles.

### A007 - FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)

FAI shall be performed on all new or revised production manufactured items by seller at seller's facility. Results shall be documented on a report identified as "First Article Inspection Report" (FAIR). The report will be maintained at the seller's facility, and be available for review by Dart Aerospace when requested.

### A008 - FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION SENT TO DART AEROSPACE)

FAI's shall be performed on all new or revised production manufactured items by seller at seller's facility. Results will be documented on a report identified as a "First Article Inspection Report" (FAIR). The identified first article unit and the FAIR will be sent to Dart Aerospace.

### A009 - FIRST ARTICLE INSPECTION (FAI) BY DART AEROSPACE AT SELLER'S FACILITY

FAI and/or test shall be accomplished at the Seller's facility before the balance of order may be shipped. DART AEROSPACE will conduct or witness inspections and/or tests and the results will be on a report form identified as "First Article Inspection Report".

### A010 - DART AEROSPACE SOURCE INSPECTIONS

Dart Aerospace inspection is required prior to shipment from your facility. Evidence of such inspection must be included in your packing documents accompanying each shipment. You must contact Dart Aerospace's buyer and establish verification arrangements and the method of product release. Drawings, inspection/test documents, and specifications, as applicable, covering material on this order shall be available for inspection at your facility.

### A011 - DELEGATIONS -SUPPLIER VERIFICATION OF DART AEROSPACE PRODUCT

The supplier has met the requirements established by DART AEROSPACE quality organization for the verification of DART product.

### A012 - CHEMICAL AND PHYSICAL TEST REPORTS

Each shipment must be accompanied by one (1) legible and reproducible copy of all chemical and physical test reports identifiable with materials ordered. The reports must contain the signature and title of the authorized representative of the agency performing the test and must assure conformance to specification requirements.



**A013 - SHELF LIFE CONTROLLED MATERIAL; 80% SHELF LIFE REQUIRED AT RECEIPT**

Time sensitive material shall be furnished with a minimum of 80% of its shelf life remaining at date of shipment. Shelf life duration, date of manufacture and date of expiration shall be listed on material certification.

**A014 - SHELF LIFE CONTROLLED MATERIAL; 70% SHELF LIFE REQUIRED AT RECEIPT**

Time sensitive material shall be furnished with a minimum of 70% of its shelf life remaining at date of shipment. Shelf life duration, date of manufacture and date of expiration shall be listed on material certification.

**A015 - SHELF LIFE CONTROLLED MATERIAL; 60% SHELF LIFE REQUIRED AT RECEIPT**

Time sensitive material shall be furnished with a minimum of 60% of its shelf life remaining at date of shipment. Shelf life duration, date of manufacture and date of expiration shall be listed on material certification.

**A016 - PERSONNEL QUALIFICATION**

Supplier shall ensure all employees performing quality sensitive tasks on Dart products are qualified to perform the task associated with the product and this information is available in their training records.

**A017 - RAW MATERIAL IDENTIFICATION (AS APPLICABLE)**

**A. Sheet or Plate Stock -Metallic or Non-Metallic**

Each sheet or plate shipped shall be identified by continuous stenciling, of sufficient size to be readily legible, applied by permanent ink or dye of contrasting color, non-injurious to metal surfaces and not soluble.

**B. Rod, Bar or Tube -all shapes -1/2 inch cross section or larger**

Each length of Rod, Bar or Tube shipped shall be identified at one end or by continuous stenciling, of sufficient size to be readily legible, applied by permanent ink or dye of contrasting color, non-injurious to metal surfaces and not soluble in cutting and coolant oils. If continuous, spacing between groups of stencil letters shall not exceed twelve (12) inches. Information shall include material type or designation, material specification and temper.

**C. Rod, Bar or Tube -all shapes -Smaller than 1/2 inch cross section**

Rod, bar or tube shipped shall be bundled together; each bundle containing materials from the same (manufacturing/heat treatment) batch, and shall be identified as follows: An adhesive label or identification tag shall be securely attached to each bundle. This label or tag shall be permanently marked to indicate material type or designation, material specification and temper.

**D. Castings / Forging -Ferrous or Non-Ferrous**

Material shipped shall be identified with the part number, "melt" number, heat treat lot (if applicable) and serial number (if applicable). Identification of parts shall be in accordance with applicable drawings/specifications. Where drawings or specifications do not define method of identification, such identification shall be effected in accordance with MIL-STD-130.

**E. Extrusions**

Each length of extrusion shall be identified at one end or by continuous stenciling, of sufficient size to be readily legible, applied by permanent ink or dye of contrasting color, non-injurious to metal surfaces and not soluble in cutting and coolant oils. If continuous, spacing between groups of stencil letters shall not exceed twelve inches. Information shall include material type or designation, material specification, temper and heat lot number.

**A018 - ELECTRICAL EQUIPMENT**

Each shipment shall be accompanied by one (1) legible and reproducible copy of a certificate containing the signature and title of the person authorizing the release of product. The certificate shall contain the part number, specification to which they conform, and general characteristic. When the parts are serialized, serial numbers shall be included on the certification. Manufacturer will maintain test reports, specification conformation and general characteristics on-site and available upon request.

**A019 - ELECTRICAL CABLES (WIRES)**

Electrical cables shall be identified with the part number and manufacturing code. The spool, and Certificate of Conformance shall be identified per applicable standard/specification with the following information: standard / specification, size code, manufacturing year, country code (if applicable), and manufacturer.





**A020 - NON-DESTRUCTIVE TEST/INSPECTION IDENTIFICATION**

All parts found to be acceptable by non-destructive testing methods are to be so identified by placing the proper acceptance test /inspection stamp on such acceptable parts. All parts found to be unacceptable are to be so identified by placing the proper withholding stamp on such defective parts. In those cases where NDT testing is being performed by a lower-tier supplier and his acceptance stamp is obliterated by further processing a copy of the lower-tier's certification must accompany shipment to DART AEROSPACE.

**A021 - DART AEROSPACE PROCESSING**

Seller shall assure that any process and or non-destructive test (NDT) requested on this purchase order shall be performed only by sources currently appearing on the DART AEROSPACE's "List of Approved Vendors" for the specific type of work to be conducted.

**A022 - APICAL PROCESSING**

Seller shall assure that any process work to be performed on Apical design and/or Part numbers by the Seller or its suppliers shall be performed only by sources noted in the latest published Apical Document Number MPP-120. MPP-120 Sources were used shall be submitted with AS9102 First Article Inspection Report and as requested by Dart Aerospace.

**A023 - IDENTIFICATION OF "DANGEROUS GOODS"**

A "Dangerous Goods" decal must be applied to the outer container of the item being shipped and to the associated shipping document (shipper). Also, one copy of the applicable MSDS sheet must be provided with each shipment.

This is in addition to federal & provincial requirements noted in IATA & DOT CFR. It does not relieve the supplier of their responsibility to comply with any marking & labeling requirements set forth in the IATA & DOT CFR or any other legal documentation that may apply to this shipment.

**A024 - PROCESS CERTIFICATIONS**

Each shipment shall be accompanied by one (1) legible and reproducible copy of a certificate that must include the signature and title of the person authorizing release of product certifying all processes used, such as heat treating, welding, NDT, surface preparation and treatment, etc. The certificate shall include the processing used, the specification to which they conform and the name of the agency that performed them if other than the seller (i.e. sub-vendor). When the parts are serialized, serial numbers shall be included on the certification.

**A025 - CERTIFICATE OF CONFORMANCE**

Each shipment shall be accompanied by one (1) legible and reproducible copy of a Certification Document (Certificate of Conformance, Shipper, Packing List, etc.) that includes the identification (signature, electronic signature, stamp, etc.) of the person authorizing release of product assuring the items ordered were produced in accordance with and conforming in all respects with all applicable requirements set forth in Buyer's Standard Purchase Order Terms and Conditions and/or its contract with Seller, including specifications, drawings, revision, marking requirements, physical item identification and electrical characteristics when applicable. When the parts are serialized, serial numbers shall be included on the certification.

**A026 - CERTIFICATION OF MATERIAL CONFORMANCE**

Each shipment shall be accompanied by one (1) legible and reproducible copy of a Certification Document (Certificate of Conformance, Shipper, Packing List, etc.) that includes the identification (signature, electronic signature, stamp, etc.) of the person authorizing release of product certifying each material used to fabricate the items ordered in this "Purchase Order".

**A027 - FLAMMABILITY TEST**

Test reports showing actual results of flammability test which meet the requirements of FAR 25.853(a) and signed by a responsible party shall accompany this shipment.

**A028 - FLAMMABILITY TEST**

Flammability Test reports showing actual results of flammability test(s). Reports must show Fire Worthiness resistance shall be such that the requirements of FAR 25.853 (a), Amendment 25-116 (60-Second Vertical Bunsen Burner Test). Appendix F, Part I will be met, or the latest revision of the Aircraft Materials Fire Test Handbook (DOT/FAA/AR-00/12).

**A029 - FLAMMABILITY TEST**

Flammability Test reports verifying Smoke emission shall be such that the requirements of FAR 25.853 (d) Amendment 25-116. Appendix F, Part V will be met, or the latest revision of the Aircraft Materials Fire Test Handbook (DOT/FAA/AR00/12). Reports must include a brief description of the sample and mounting.



**A030 - FLAMMABILITY TEST**

Flammability Test reports verifying Heat release capability shall be such that the requirements of FAR 25.853 (d), Amendment 25-116, Appendix F, Part IV will be met, or the latest revision of the Aircraft Materials Fire Test Handbook (DOT/FAA/AR-00/12). Reports must include a brief description of the sample and mounting.

**A031 - FLAMMABILITY TEST**

Flammability Test reports showing actual test results of flammability tests which meet the requirements of FAR 25.856 (a) and AC25.856-1 or the latest revision of the Aircraft Materials Fire Test Handbook (DOT/FAA/AR-00/12). **A032 - PUBLIC LAW 101-592 FASTENER QUALITY ACT**

Supplier (Distributor) Certification: A Certification shall accompany each shipment of fasteners/washers, containing the following, as a minimum:

The manufacturer lot number(s) with associates part number(s); Manufacturers name; DART AEROSPACE P.O. number; and a statement to the effect that the manufactures certification (required by the Section 7 of the "Law") is on file with the distributor.

Supplier (Manufacturer) Certification: A Certification in accordance with Section 7 of the "Law" shall accompany each shipment.

Packaging: Each lot shall be packaged in a manner that ensures there will be no co-mingling of like fasteners from different lots in the same container.

Identification: Each package shall be identified with the lot number, name of the parts, part identification number, P.O. number and name of fastener manufacturer.

**A032 - DOCUMENT SPECIAL REQUIREMENTS**

1. The supplier is requested to ensure all original conformity documents (C of C, 8130-3) are packaged in the container with the finished products.

2. The supplier is requested to ensure a copy of all conformity documents (C of C, 8130-3) are part of the shipping documents which arrive with packaged components.

**A033 - STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS**

1. When supplier is the fastener manufacturer -Each shipment shall be accompanied by one (1) legible and reproducible copy of a certificate of conformance containing the signature and title of an authorized representative which stated that the fastener have been manufactured in accordance with requirements of the applicable NAS, AN, MS government approved Parts Standard and Procurement Specification; and the chemical / physical test reports required by the government approved Procurement Specification are on file with the manufacturer, and available for review by customer and /or government quality assurance representative upon request.

2. When the supplier is a distributor -Each shipment shall be accompanied by one (1) legible and reproducible copy of conformity to purchase order requirements. The statement of conformity as a minimum shall contain DART AEROSPACE P.O. number, packing slip number; a copy of applicable test records (chemical, physical, processes and NDT) required by the government approved Parts Standard and Procurement Specification are available, or are obtainable upon customer request. The statement of conformity must contain the name of the fastener manufacturer, and shall be signed and dated by an authorized representative.

**A034 - INTER COMPANY SHIPPERS**

When products are shipped from one Dart Aerospace facility to another, the certification log number of the product being shipped must be recorded on the shipping document.

**A035 - OUT TIME REQUIREMENTS**

Supplier must record the "out-time" of exposure sensitive material (pre-preg) on packing list.

**A036 - PRIORITY DX-A1**

Priority DX-A1; this is a rated order certified for national defense use. You are required to follow all the provisions of Defense Priorities and Allocations System regulation (15 CFR 350).

**A037 - PRIORITY DO-A1**

Priority DO-A1; this is a rated order certified for national defense use. You are required to follow all the provisions of the Defense Priorities and Allocations system regulation (15 CFR 350).

**A038 - AS9102 First Article Inspection (FAI) by Seller, (Documentation maintained by Supplier)**

A FAI per AS9102 shall be performed on all new or revised manufactured items by the seller or at the seller's facility. Forms other than as identified in the Appendix of AS9102 must contain all required and conditionally required information and use same field reference numbers. Report is to be maintained at seller's facility and available for review at Dart Aerospace's request.



**A039 - AS9102 First Article Inspection (FAI) by Seller, (Documentation sent to Dart Aerospace)**

A FAI per AS9102 shall be performed on all new or revised manufactured items by the seller or at the seller's facility. Forms used other than as identified in the Appendix of AS9102 must contain all required and conditionally required information and use same field reference numbers. The report will be sent to Dart Aerospace.

**A040 - Notification of Quality Escape**

Seller will report to Buyer if a product, article or part has been released from Seller or Seller's subcontractors or suppliers and subsequently found not to conform to the applicable design data.

**A041 - Quality Management System**

Supplier shall implement, document and maintain a Quality Management System in accordance with applicable requirements of AS9100 series standards or ISO9001 standard and additional requirements specified on Buyers contract or purchase order. The Quality Management system shall be appropriate to the products the Supplier designs, manufactures, repairs or sells and shall cover all activities concerned by Dart Aerospace contracts or purchase orders.

**A042 - DART NOTIFICATION BY SUPPLIER**

Supplier shall notify Dart of changes in product and / or process, change of supplier and changes of manufacturing facility locations.

**A043 - Retention of Quality Documents**

Quality documentation recorded and certifications must be maintained on file for a period of 10 years after final payment on the purchase order. After this time period, suppliers shall not destroy such records without the written approval of DART AEROSPACE.

**A044 - Calibration of Equipment**

All calibration services shall provide a certificate of calibration for each item calibrated. The certificate must include company legal information and logo, the date of calibration, listed uncertainties, calibration due date, model, serial number of the equipment used in the calibration and a statement that all equipment/standards used are traceable to the National Institute of Standards and Technology (NIST). The certificate must also include Dart Aerospace purchase order number, tool number, model number and serial number of the item calibrated and list those standards used, the general condition of the equipment, Pass or Fail indication, calibration chart (when required) and the technician's signature.