



Supplier Quality Requirements

1.0 Purpose

The following Quality Requirements define the responsibilities of the supplier to ensure conformance to DeltaWing's purchase order requirements. These requirements are applicable to DeltaWing issued purchase orders when stated as such on the PO. All Class 1 and Class 2 suppliers are monitored for product quality and on-time delivery. The supplier's failure to comply with DeltaWing's supplier quality requirements may result in product rejection and adversely affect the supplier's quality rating.

2.0 Quality Management System

The supplier shall maintain a quality management system to ensure process and product conformity to the requirements of this document including purchasing and engineering requirements. The quality system should be compliant to the applicable ISO 9001/AS9100 standard or have prior approval from DeltaWing. Suppliers initially approved for use via certification (ISO, AS9100, ETC.) must notify DeltaWing of any changes to that certification.

3.0 Competence and Awareness

Supplier shall have qualified personnel to perform set tasks. The supplier shall ensure those persons are aware of their contribution to product and service conformity, product safety, and the importance of ethical behavior.

4.0 Certificate of Conformance

The Supplier shall conform to the specifications and standards specified on purchase orders and/or drawings. When specified on the purchase order. The supplier shall provide a certificate of conformance with each shipment certifying conformance to the purchase order requirements. Supplier C of C shall at a minimum include the following:

- 1) Supplier name and address
- 2) Supplier's part number and revision level
- 3) Product description
- 4) Purchase order number
- 5) Quantity
- 6) Product compliance statement as appropriate
- 7) Lot codes and/or date codes if applicable
- 8) Signature and date by supplier's authorized personnel

5.0 Material and Special Process Certificates

When specified on the purchase order the supplier shall provide documented evidence that raw material and/or special processes conform to requirements via certificates, chemical analysis and / or tests as indicated on the purchase order. All applicable data shall be included with the certificate of conformance. These may include grade, type, heat, class, batch number, etc.



6.0 Flow down to Sub-Tier Suppliers

Supplier shall flow down all relevant purchase order requirements including customer requirements to sub-tier supplier. The supplier is responsible for ensuring that any work performed by a sub-tier supplier conforms to purchase order requirements by an approved supplier. The sub-tier supplier shall be approved as per above to perform specific required Special Processes, or use Special Process vendors acceptable to DeltaWing and DeltaWings's customer.

7.0 First Article / Sampling Inspections

When specified on the purchase order, First Article Inspection is required and shall be provided on initial production and all physical changes including revision change, tooling and process changes. Aerospace Standard AS9102 is recommended but not required unless specified in purchase order requirements. Formats other than AS9102 shall provide the same information. This inspection report is to accompany all incoming parts to DeltaWing. After the initial FAI is performed, the supplier shall perform a full FAI when any of the following occur:

- A design change affecting the form, fit or function of the part.
- A process changes which can potentially affect the form, fit or function.
- A lapse in production for one year or as specified by the purchase order.

The Supplier may use a sampling inspection plan that meets the requirements of ASQC Z1.4 or MIL-STD-105 (c) = 0 sampling plan during the inspection of the product. The sampling plan used must not allow acceptance of any product with known defects. Any defects identified shall be 100% inspected on all products, work in process, and stock inventory for the specific defect.

8.0 Test and Inspection Reports or Specimens

When specified on the purchase order, the supplier shall provide acceptance inspection and/or test data, and/or test specimens, including those for production process verification, with the shipment to provide further evidence of conformance to requirements on the purchase order.

9.0 On-Time Delivery

The supplier shall notify DeltaWing buyer of any anticipated delay or actual delay in delivery and what actions are being taken to minimize the delay. When the delay is due to the supplier, and when requested by DeltaWing buyer, the supplier shall ship goods via air or expedited services at supplier's cost to minimize further delay.

10.0 Nonconforming Material or Services

The supplier shall maintain a nonconforming product process to prevent the unintended delivery or use of such product. The supplier is responsible for notifying DeltaWing of any nonconforming product, process or services. Shipments of known nonconformances are not to be shipped without prior written disposition from DeltaWing.



11.0 Foreign Objects

Supplier is required to have a documented FOD program which assures that work is accomplished in a manner of preventing foreign objects or material from entering in deliverable items. Delivered material must be clean and free from any debris such as burrs, oil, grinding dust, machined chips and other foreign material.

12.0 Corrective Action Request

The supplier shall maintain a corrective action process. The supplier is required to respond to DeltaWing's Corrective Action Requests when nonconforming material or process has been determined. The supplier shall provide a written response by the requested response date noted on the Nonconformance including containment, identification and segregation, as well as root cause analysis and the action(s) taken to prevent the problem from recurring. When a sub-tier supplier is responsible, DWM's main supplier shall flow down and enforce a request for corrective action to the sub-tier supplier.

13.0 Right of Access

DeltaWing, its customers, or applicable regulatory agencies have right of access to applicable areas of all facilities, at any level of the supply chain involved in the purchase order and to all applicable records.

14.0 Source Inspection

When specified on the purchase order, DeltaWing reserves the right to perform a source inspection at the supplier or sub-tier supplier's facilities at any point in the manufacturing process.

15.0 Control of Specifications and Workmanship

The Supplier shall ensure that the drawings and specifications are the relevant revision status specified on the Purchase Order. Workmanship shall be at a high level of quality to assure purchased material and products meet the performance requirements of the purchase order, specification and or engineering drawing. Material and products as received shall be free of evidence of poor workmanship.

16.0 Packaging and Handling

Suppliers shall ensure that the correct material is provided and properly marked, identified and packaged. Packaging shall be done in a manner that protects against potential damage from shipping. The supplier shall ensure that required documentation is included with shipments.

17.0 Control of Monitoring and Measuring Equipment

The supplier shall have a calibration system in accordance with ISO9001/AS9100 standards. Calibration records shall be maintained, readily available and NIST traceable.



18.0 Shelf Life Materials

Items with shelf life shall be marked on the item, package or container with the manufactured date, expiration time period or date, and any additional storage or handling requirements. DeltaWing expects 90% useful shelf life remaining and will not accept materials with less than 80% shelf life without advanced written approval from Deltawing.

19.0 Record Retention

The supplier is responsible for providing and maintaining all manufacture, inspection and test records associated with DeltaWing orders for a minimum of 10 years. These records shall be readily available for review upon request.

20.0 Change Approval

Supplier shall notify DeltaWing of changes in product and/or process definition, changes to sub-tier suppliers, and changes of manufacturing facilities that may affect the form, fit and function. The supplier is responsible to ensure any changes are submitted in writing to DeltaWing's VP of Manufacturing.

21.0 Counterfeit Parts

Supplier should plan, implement, and control processes, appropriate to the Supplier and the product, for the prevention of Counterfeit or suspect Counterfeit Part use and their inclusion in product(s) delivered to DeltaWing. Counterfeit or suspect Counterfeit parts should be controlled to prevent reentry into the supply chain. As such, should DeltaWing suspect Counterfeit Parts were delivered, DeltaWing will manage said Counterfeit Parts per our Nonconforming Product process.