



**NORMAN FILTER COMPANY, L.L.C.**

***AS9100 & ISO 9001 CERTIFIED***

9850 SOUTH INDUSTRIAL DRIVE • BRIDGEVIEW, ILLINOIS 60455  
P.O. BOX 1349 • BRIDGEVIEW, ILLINOIS 60455

Phone: 708-233-5521 • Fax: 708-430-5961

## **Supplier Quality Clauses**

DPU01-07, Rev: 2, 01/27/12

| <b><u>Code</u></b> | <b><u>Description</u></b>                                  |
|--------------------|--|
| <b>C01</b>         | <b>Boeing Approved Process Source</b>                      |
| <b>C02</b>         | <b>Government Source Inspection (Boeing Specific)</b>      |
| <b>C03</b>         | <b>Boeing Quality Surveillance</b>                         |
| <b>C04</b>         | <b>Lot Traceability – Manufactured Goods</b>               |
| <b>C05</b>         | <b>Shock Test and Post Test Reports (Northrop Grumman)</b> |
| <b>C06</b>         | <b>Shock Test Procedure (Northrop Grumman)</b>             |
| <b>C07</b>         | <b>Retention of Records (Boeing)</b>                       |
| <b>I01</b>         | <b>Norman Filter Company Inspection Technique</b>          |
| <b>I02</b>         | <b>Government Inspection Requirements</b>                  |
| <b>I03</b>         | <b>AS9102 Aerospace First Article Inspection Required</b>  |
| <b>I04</b>         | <b>Seller Drawing Deliverable</b>                          |
| <b>I05</b>         | <b>Sample Size Based Inspection</b>                        |
| <b>I06</b>         | <b>100% Inspection Required</b>                            |
| <b>I07</b>         | <b>Radiographic Inspection for Welded Joints Required</b>  |
| <b>M01</b>         | <b>Material Clause</b>                                     |
| <b>M02</b>         | <b>Material Requirement for Time Sensitive Items</b>       |
| <b>P01</b>         | <b>Purchasing Documents</b>                                |
| <b>Q01</b>         | <b>Traceability-Raw Material</b>                           |
| <b>Q02</b>         | <b>Serial Number Traceability – Manufactured Goods</b>     |
| <b>Q03</b>         | <b>Right of Entry</b>                                      |
| <b>Q04</b>         | <b>Certification of Conformance Required</b>               |
| <b>Q05</b>         | <b>Mercury-Free Certification</b>                          |
| <b>Q06</b>         | <b>False, Fictitious, Fraudulent Statement</b>             |
| <b>Q07</b>         | <b>Nonconforming Material and Disposition</b>              |

## **Customer Specific**

### **C01 Boeing Approved Process Source**

Any/All processes must be performed by Boeing Approved Sources per D1-4426. Accessing D1-4426 via the web is the only acceptable method to maintain compliance to Boeing requirements. Processing shall be performed to the latest revision as defined in the PSDS.

URL: <http://www.boeing.com/companyoffices/doingbiz/d14426/>

The PSDS accountability pages site can be found at the following URL:  
<http://www.boeing.com/companyoffices/doingbiz/bps/>

This clause shall be included in the seller's subcontracts for work performed under this purchase contract that involves D1-4426 processes. A certificate of conformance and/or equivalent process certificate, signed by an authorized agent of the processor/seller shall be maintained. The certificate shall include contract number, part number(s), Trace number (as applicable), Process specification number w/ revision, processing date(s), and name and address of the processor(s) performing each of the D1-4426 processes. Buyer approval of any processor shall not relieve seller of seller's requirement to comply with the terms of this contract.

### **C02 Government Source Inspection (Boeing)**

a) Work under this purchase order/contract is subject to inspection and test by NASA representatives or its designated agency representatives at any time and place. The NASA Quality Representative who has been delegated quality assurance functions for this procurement shall be notified immediately upon receipt of this purchase order/ contract and also shall be notified 48 hours in advance of the time articles or materials are ready for inspection or test. Evidence of GSI shall be provided on the shipper.

b) Seller shall make available to NASA Quality Representative or authorized agent all applicable drawings, specifications, and changes thereto, related to inspection and/or test equipment, and such other information as may be required to satisfactorily perform the inspections and tests required under this purchase order/contract.

### **C03 Boeing Quality Surveillance**

All purchase order/contract quality system and product requirements are subject to review by a Boeing Quality Assurance Representative (QAR). Seller shall provide reasonable facilities and assistance, including all quality records and related data for purchase order/contracted goods, upon request. The Boeing QAR will coordinate and identify the mandatory Boeing surveillance points at the earliest practical time convenient to both parties. Seller shall notify the Boeing QAR at least five days prior to the start of any processing or manufacturing in conjunction with this purchase order/contract and 48 hours in advance of the time that the goods are available for review. Seller shall contact Boeing's authorized purchasing representative for direction to the nearest Boeing Quality Assurance office. The approval of Boeing's QAR shall be indicated on Seller's shipping document as evidence of approval to ship.

### **C04 Lot Traceability – Manufactured Goods**

This code requires that the Seller identify items by lot/date code. The Commercial and Government Entity (CAGE) code and all lot/date code numbers shall be documented on the packing sheet for each purchase order/ contract line item. When quantities comprise items from more than one lot/date code, each lot/date code must be separately packaged at the unit packing level to avoid lot/date code co-mingling. (See Boeing IDS Common Quality Clauses Q114 for example)..

### **C05 Shock Test and Post Test Reports (Newport News Shipbuilding)**

This code requires the vendor to adhere to Northrop Grumman code S2110 "*Shock test and post test reports*". The description of this note can be found at Northrop Grumman Shipbuilding Supply Chain Coded Notes Section at the following website [http://supplier.huntingtoningalls.com/sourcing/po\\_notes.stm](http://supplier.huntingtoningalls.com/sourcing/po_notes.stm) under the most recent revision date.

### **C06 Shock Test Procedure (Newport News Shipbuilding)**

This code requires the vendor to adhere to Northrop Grumman code S2170 "*Shock test and post test reports*". The description of this note can be found at Northrop Grumman Shipbuilding Supply Chain Coded Notes Section at the following website [http://supplier.huntingtoningalls.com/sourcing/po\\_notes.stm](http://supplier.huntingtoningalls.com/sourcing/po_notes.stm) under the most recent revision date.

### **C07 Retention of Records (Boeing)**

Seller's records, to demonstrate conformance, shall be on file and available for review by Buyer, Buyer's Customers or Regulatory Agencies, upon request. Quality records shall be retained for a minimum of seven (7) years from date of final payment. Seller shall have a documented procedure on record retention defining specific records and applicable retention.

## **Inspection**

### **I01 Norman Filter Company Inspection Technique**

Supplier shall record all "T" dimensions specified on drawing for every first, 10<sup>th</sup> and final piece of every lot. Recorded dimensions shall be shipped with parts to Norman Filter Company.  
(Ex. 56 piece lot record, 1<sup>st</sup>, 10<sup>th</sup>, 20<sup>th</sup>, 30<sup>th</sup>, 40<sup>th</sup>, 50<sup>th</sup>, 56<sup>th</sup> pieces)

### **I02 Government Inspection Requirements**

Government inspection is required prior to shipment from your plant. Upon receipt of this order, promptly notify the Government Representative who normally services your plant so that appropriate planning for Government inspection can be accomplished.

### **I03 AS9102 Aerospace First Article Inspection Required**

First Article Inspection (FAI) shall be performed by the Seller in accordance with the requirements of AS9102. When documenting the FAI, the Seller may use the forms contained within AS9102 or their equivalent, so long as the forms contain all the information required by AS9102. Unless otherwise stated in the purchase order First Article Records only need to be provided for the assembly of the drawing and **not** the piece parts. A record of inspection must accompany parts upon shipment.

### **I04 Seller Drawing Deliverable**

Norman Filter Company requires vendor to provide seller top level drawing for procured part numbers. Within 5 days of receipt of this contract the Seller will provide a copy of a drawing or catalog for each item. The drawing shall reference Buyer's contract number and part number, and shall be sent in PDF form through email to the NFC purchasing agent responsible for this contract.

### **I05 Sample Size Based Inspection**

The vendor must employ a sample size based on total lot quantity for this contract. Standard ANSI/ASQ Z1.4-2008 or equivalent may be used for reference. Unless otherwise noted in the purchase order an AQL of 1.0 is required by Norman Filter Company. The vendor shall contact NFC purchasing should a question arise on inspection quantity requirements. A record of inspection must accompany parts upon shipment.

### **I06 100% Inspection Required**

The vendor must 100% inspect all piece parts/assemblies when this code is specified in the purchase order. A record of inspection must accompany parts upon shipment

### **I07 Radiographic Inspection for Welded Joints Required**

Radiograph Inspect per ASME Sect VIII Div 1 paragraph UW 51.

## **Material**

### **M01 Material Clause**

Federal Acquisition 225.872-1. Material must be in compliance with defense federal acquisition regulation supplement Part 225-foreign acquisition 225.872-1 general qualifying countries of origin.

### **M02 Material Requirement for Time Sensitive Items**

Time sensitive items such as (o-rings, gaskets, epoxy's, ect.) must include the cure date with the shipment. The cure date must include both the quarter and year manufactured (i.e. 3Q06 for third quarter of 2006). The vendor is required to ship the most recently cured/manufactured material when this clause is specified.

## **Purchasing**

### **P01 Purchasing Documents**

When, under authorization of the Government Representative, copies of the purchasing document are to be furnished directly by the subcontractor or vendor to the Government Representative at his facility rather than through Government channels.

On receipt of this order, promptly furnish a copy to the Government Representative who normally services your plant or, if none, to the nearest Army, Navy, Air Force, or Defense Supply Agency inspection office. In the event the representative or office cannot be located, our purchasing agent should be notified immediately.

## Quality

### **Q01 Traceability-Raw Material**

Seller shall mark each individual item and applicable documentation (e.g. test report, shipping report, or certification) to show traceability to lot, heat lot, material control or batch number. Unless otherwise directed by this purchase order/contract, engineering drawing or specification, when the size of the item does not permit marking of individual items, Seller shall label each package or box furnished.

### **Q02 Serial Number Traceability – Manufactured Goods**

This Code requires that the sellers process each item as a separate identifiable item. The serial number(s) shall be documented on the packaging sheet or attachment to the packing sheet. Each serialized item shall be individually packaged with the complete serial number noted on the package.

### **Q03 Right of Entry**

Allows Norman Filter Company, 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 facilities involved in the order.

### **Q04 Certification of Conformance Required**

Each shipment of material under this purchase order must be accompanied by a certification of conformance that verifies compliance with applicable specifications on drawing or purchase order for each lot/batch number for traceability. Certification shall be dated and signed by a responsible individual whose signature can be considered binding on your company. Failure to include the certification with your shipment may classify your product as non-conforming resulting in the return of the material at your expense.

### **Q05 Mercury-Free Certification**

The item(s) furnished by the vendor is intended for shipboard use and materials used must be free of mercury. In addition mercury must not come into contact with the product during any activity outsourced by supplier including fabrication, special processing, and shipment. The following verbiage must be added to the certificate of conformance when this clause is specified.

“All items, supplied on this order/contract, are free of mercury contamination.”

### **Q06 False, Fictitious, Fraudulent Statement**

The item(s) furnished by the vendor have a government end use and this statement must accompany the Q05 quality clause.

“The recording of false, fictitious statements or entries on this document may be punishable under federal law.”

### **Q07 Nonconforming Material and Disposition**

Seller must maintain a system that clearly identifies, documents, controls and segregates nonconforming material. Shipment of product under this contract is not allowed until all Material Review Board (MRB) actions have been properly completed. This includes input from Norman Filter Company Engineering.

## **Revisions**

| <b>Rev.</b> | <b>Date</b> | <b>Nature of Change</b>                           |
|-------------|-------------|---|
| 2           | 01/27/12    | Additions of clauses C07, I03, I04, I05, I06, Q07 |
| 1           | 01/19/11    | Addition of clauses Q05 & Q06                     |
| 0           | 07/27/10    | New document                                      |
|             |             |   |