

## **Interface Displays and Controls**

### **Procurement Clause Attachment**

Clauses applicable only when specified by Q-number on the purchase order.

- Q1 Certification of Raw Materials.**  
Seller shall provide with each shipment, a certification of conformance to IDC's specification number, including applicable size, type, grade, class, and/or color. If no approved IDC specification is presented, Seller shall certify to Purchase Order requirements.
- Q2 Certification of Compliance.**  
Seller shall provide with each shipment a Certificate of Compliance stating that each device has been inspected, tested, and accepted to the requirements of the procurement specification and/or purchase order. This certification shall be signed by the cognizant Quality representative.
- Q3 Certification of Functional Testing.**  
Seller shall conduct 100% Functional testing of the item(s) and submit copies of actual test results demonstrating compliance with each shipment.
- Q4 Certification of Special Processes.**  
Seller shall provide certifications for performance of special processing in accordance with the Engineering Drawing, Specification or Purchase Order requirements. Certification shall include specification number, name of processor and process performed.
- Q5 Chemical Analysis and Physical Test Data.**  
Seller shall include with each shipment, a copy of the chemical analysis and physical test data, as applicable, representative of each lot or batch of material shipped. The manufacturer, manufacturer's lot/batch number shall be specified. Such statement shall bear signature of a cognizant representative.
- Q6 Manufacture Identification.**  
In the event the Seller is not the manufacture of the deliverable items ordered herein, Seller shall identify the manufacture of those items on the packing sheet (or by some method) for each shipment.
- Q7 Part Identification.**  
Minimum identification shall consist of the manufacture's part number and trademark, if applicable, on each part. If part does not lend itself to stamping, due to part size composition, etc., the container or tags shall bear appropriate identification. Parts manufactured to IDC drawing shall bear the applicable Engineering Drawing part number and revision letter.
- Q8 Container Identification.**  
Seller shall identify each unit and multiple over pack container with recommended shelf life/storage temperature, flash point, batch/lot number and hazardous warnings as applicable.
- Q9 Inspection System.**  
Seller's Inspection System shall comply with MIL-I-45208A, ISO 9000, or an equivalent system. This system shall be subjected to audit by IDC representative and/or IDC customer representative at Seller's facility.
- Q10 Inspection of Research and Development.**  
Seller's Inspection System shall comply with FAR 65.246-8. This system is subject to audit by IDC representative and/or IDC's customer representative at Seller's facility.
- Q11 Seller's Quality Assurance Program.**  
Seller's Quality Assurance Program shall be in accordance with IDC "Supplier's Quality Assurance Requirements" document TBD.
- Q12 Corrective Action.**  
Seller shall maintain adequate controls to prevent shipment of nonconforming articles without prior approval from IDC. In the event of IDC initiated corrective action requests, Seller shall advise IDC of action taken to correct and prevent reported discrepancies.
- Q13 Source Inspection.**  
Parts, assemblies or systems being procured from Seller must be Source Inspected due to the complexity, critical application, and/or that conformance to subcontract requirements cannot be fully determined upon receipt. Source inspection may take place at fabrication, assembly, and/or testing prior to shipment to and may be accomplished by inspection, test witnessing, and/or periodic audits. Seller shall contact IDC's Quality Representative at least three (3) workdays in advance of planned Source inspection.
- Q14 First Article Inspection (FAI) Report.**  
Seller shall perform First Article Inspection and furnish a First Article Inspection Report, to include actual dimensions, characteristics, test results, and verification of drawing notes in accordance with the drawing and/or specifications required by the Purchase Order. A copy of the FAI Report is to be included in the shipment subject to IDC Quality Representative review and approval. If a lot is not continuous or is considered a new production run a new FAI should be submitted with each lot.
- Q15 First Article Inspection (FAI) Approval Supplier's Facility.**  
IDC reviews and approval of First Article Inspection and Report is required at Seller's facility, prior to shipment of production items(s). This inspection included detail performance checks of dimensional, processing, material specification and quality requirements. Seller shall prepare and submit to IDC Quality Representative, a written report to include actual dimensions, characteristics, test result, and verification of drawing notes in accordance with drawing and/or specifications required by the Purchase Order. The IDC Quality Representative may at his/her discretion, verify any or all of the reported dimensions or may witness and participate in the FAI. Seller shall advise IDC at least five (5) working days in advance of planned FAI.

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### **Procurement Clause Attachment (Con't)**

- Q16 Materials Safety Data Sheets.**  
According to the Right to Know Laws, a Seller must supply a Material Safety Data Sheet for any material to be used in a process, regardless of its classification, (hazardous or non hazardous).
- Q17 Certification of Calibration.**  
Seller shall furnish calibration certification. Calibration standards used shall be traceable as defined by MIL-STD-45662A. In the case of equipment being sent out for calibration, certification and test data based on the condition of equipment "as received" shall be provided. If any adjustment is performed to bring equipment to within its required tolerance, then test data based on condition of equipment "after calibration" shall also be provided. Data sheets shall include date calibration was performed, measurement standards employed and environmental conditions in which calibration took place.
- Q18 New Calibration Source-Q.A. Manual.**  
For calibration services performed on Measuring & Test Equipment and Standards, Seller shall furnish a written Quality Assurance Plan or Manual, associated literature, brochures, etc. demonstrating compliance with MIL-STD-45662A requirements.
- Q19 Calibration System MIL-STD-45662.**  
Seller shall provide and maintain a suitable system conforming to applicable requirements of MIL-STD—45662A for the inspection, measuring, and test equipment for range accuracy and type necessary to ensure conformance of articles to contract requirements. Each unit of inspection, measuring, and test equipment shall be calibrated against standards having known valid traceability as defined by National Institute for Standards & Technology (NIST).
- Q20 IDC Approval of Seller Drawing/Design.**  
Seller shall submit applicable Design/Drawings for review and approval by IDC. Approval shall be obtained before fabrication can begin.
- Q21 IDC Controlled Design.**  
When fabricating to an IDC controlled design, Seller shall not deviate from the design or specification requirements without prior written approval from IDC except as specified by the purchase order. Seller shall submit proposed changes on IDC Form No. 110, Request for Deviation/Waiver, in accordance with the instructions attached to the form.
- Q22 Request for Deviation/Waiver.**  
Seller shall request disposition(s) for nonconforming item(s) prior to shipment. The request shall be submitted on IDC form No. 110, Request for Deviation/Waiver in accordance with the instructions attached to the form. Items determined to be unacceptable by IDC shall be permanently identified, by Seller, to preclude use or shipment. These items shall not be resubmitted to IDC of acceptance.
- Q23 Approved Process Sources.**  
Seller shall utilize approved sources for specified processes listed below which are required in the manufacturing of the end item(s) specified on this Purchase Order.
- |                        |              |            |
|------------------------|--------------|------------|
| A. Chemical Processing | C. Brazing   | E. Coating |
| B. Welding             | D. Soldering | F. Plating |
- Processing shall be in accordance with the Specification change (revision) letter specified on the Purchase Order. If a process specification change letter is not specified, processing shall be in accordance with the latest revision provided by IDC.
- Q24 Control of Devices Sensitive to Electrostatic Discharge.**  
Seller shall comply with the requirements set forth in DOD-STD-1686. Seller shall practice procedures to protect electrical and electronic parts and assemblies from damage resulting from Electrostatic Discharge (ESD), throughout all handling, packaging and shipping operations. For parts that are known electrostatic sensitive, a bright electrostatic damage sensitive caution shall be attached to each container delivered.
- Q25 Date Code.**  
Seller shall supply materials/parts with date of manufacture not more than two (2) years prior to IDC receipt.
- Q26 Record Retention**  
Seller's Quality/Inspection Records shall be retained for a period of not less than five (5) years after completion of Purchase Order.
- Q27 Test Samples.**  
Seller shall supply test samples above the quantity for the required lot acceptance test. The test samples shall be made concurrently with the total quantity ordered and be representative of the lot.
- Q28 IDC Approval of Test Procedures.**  
Seller shall submit acceptance, qualification and/or test procedures as applicable for approval by IDC cognizant representative.
- Q29 Traceability - Mechanical.**  
Seller shall provide, with each shipment of mechanical items, traceability documentation for lot identification. Such documentation shall bear evidence of lot verification by seller's Quality Assurance Representative.
- Q30 Control of IDC Tooling.**  
All tooling becomes the sole property of Interface Displays and Controls and is subject to immediate removal from seller's plant at no additional expense. Seller shall maintain tooling in serviceable condition of the exclusive use if Interface Displays and Controls.
- Q31 Record Retention.**  
Supplier shall store quality records for a minimum of 10 years.

- Q32 Northrop Grumman Approved Suppliers.**  
Only suppliers certified by Northrop Grumman can be used.
- Q33 Boeing Approved Suppliers.**  
Only suppliers certified by Boeing can be used.
- Q34 Supplier Quality System.**  
The supplier quality system must meet the requirements of AS 9100 (latest revision). The supplier does not have to be certified.
- Q35 Supplier Quality System.**  
The supplier quality system must meet the Boeing Basic Quality System (BQMS, which are ISO 9000:2000 plus the additional Boeing requirements).
- Q36 Supplier Quality System.**  
The supplier quality system must meet the requirements of Mil-Q-9858.
- Q37 Contract Flow Downs.**  
The supplier must understand and meet all Interface customer specifications, and drawing requirements in order to manufacture product. These are required by Interface, and must be flowed down. The latest revisions for all documents must be supplied by Interface.
- Q38 First Article Requirements.**  
AS9102 first article requirements apply, and the Boeing AS9102 first article form must be used for all first articles.