

FIDELITY TECHNOLOGIES CORPORATION
QUALITY CLAUSES

Applicable quality clauses of this attachment are referenced on the face of the purchase order, and are made a part thereof. Failure to include the quality clause(s) requirements with shipments will result in rejection and return of material. Required documents shall be of the issue in effect on materials/services conforming to all applicable requirements of this order. The supplier is responsible that the materials/services conforming to all applicable requirements of this order. The term “supplier” includes the supplier’s sub-tier sources.

01 CERTIFICATE OF COMPLIANCE

The supplier shall provide a Certificate of Compliance with each shipment against the Purchase Order. The Certificate shall include as a minimum, the following information:

- (a) Suppliers name and location.
- (b) Manufacturers name and location (if different from (a),
- (c) Date certificate issued.
- (d) FIDELITY Purchase Order number.
- (e) Identification of the material of items by lot or batch number, production date, serial number or other means.
- (f) Governing specifications and associated rev./amendments, drawing number and revision.
- (g) A statement of Quality to certify the following:
 - (1) That all materials used are in accordance with the applicable specification.
 - (2) That all processes prescribed in the drawing or Purchase Order, meet the applicable specifications.
 - (3) That all materials are traceable to primary manufacturer.
- (h) Signature and title of an Authorized Company Management representative.

02 QUALITY INSPECTION AND TEST REQUIREMENTS

The supplier shall maintain an inspection system in accordance with ISO 9002 or MIL-I-45208. FIDELITY reserves the right to audit supplier’s facility prior to or during manufacture of supplies required by this Purchase Order.

03 QUALITY SYSTEMS REQUIREMENTS

The supplier shall maintain a Quality Assurance Program, which complies with the requirements of ISO 9002, ISO 9001, or MIL-Q-9858. If the supplier is not currently certified by FIDELITY to one of these systems, a certification audit of the supplier’s facility will be preformed by FIDELITY prior to order placement.

04 AGE CONTROL

Materials or articles having definite characteristics of quality degradation with age shall be marked in a manner to indicate the date at which the critical life was initiated and when the useful life will be expended. Seventy percent (70%) of shelf life for the batch should be remaining upon receipt at FIDELITY. Also, each manufacturer’s batch or lot number shall be provided with the shipment, (in accordance with applicable C of C and /or spec). Specify storage methods, parameters and conditions must be provided for the following environments: Typical Industrial storage, controlled environment storage, recommended storage for maximum shelf life (i.e. refrigeration, darkness, etc).

05 SOLDERABILITY

The supplier shall provide material which meet the soldering requirements of MIL-STD-202 (Method 208), MIL-STD-750 (Method 2026). MIL-STD-883 (Method 2003), MIL-P-55110, and mil-p-50884 AS applicable. Incoming inspection will verify solderability on a sample basis.

06 SUPPLIER'S CORRECTIVE ACTION

Supplier shall provide a documented corrective action statement for all returned discrepant items. The supplier shall also state whether items were reworked or replaced, and if reworked what rework was performed. Supplier's statement shall be returned with the shipment of any returned discrepant items.

07 PRODUCT SPECIFICATIONS

Drawing or catalog specifications, sufficiently definitive to provide Receiving Inspection criteria shall accompany the initial shipment of this order.

08 SOURCE VERIFICATION/INSPECTION

All items furnished under this order shall be verified and/or inspected by FIDELITY at the supplier's plant prior to shipment. Notify the Fidelity Quality Assurance Office ten (10) working days prior to shipment so that appropriate scheduling can be accomplished. This inspection may be waived by FIDELITY Quality Assurance. Any waiver of source inspection will be authorized by FIDELITY Quality Assurance in writing.

09 MATERIAL SAFETY DATA SHEETS (MSDS)

This order involves chemicals or materials, which require applicable Material Safety Data Sheets (MSDS). A copy of the applicable MSDS shall be sent with each shipment. Materials received without MSDS will not be accepted and are subject to return at the supplier's expense

010 GOVERNMENT SOURCE INSPECTION (GENERAL)

Government Inspection is required prior to shipment from your plant. 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, seller should immediately notify the buyer.

011 ELECTROSTATIC DISCHARGE PROTECTION (ESD)

This order contains parts or materials, which are electrostatic, discharge (ESD) sensitive. Supplier shall assure adequate controls are used to prevent damage or degradation of such parts or materials. This is to include as a minimum all storage, handling, packaging and shipping operations. ESD sensitive items shall be packaged in appropriate ESD protective materials and marked appropriately as ESD sensitive. Material received without adequate protection will be rejected and returned at supplier's expense.

012 FIRST PIECE INSPECTION

All non-standard parts shall be subjected to a first piece inspection. This inspection shall verify 100% of the drawing characteristics including drawing notes, and shall be documented by the collection of variable data. The data collected shall be forwarded to and verified by FIDELITY for acceptance prior to production. All first piece samples shall be manufactured using production molds, dies, tooling, etc. An additional first piece shall be required for each mold, die, tooling, set-up, etc. and for each revised mold, die, tooling set-up. Unless otherwise stated, first piece quantity required is one (1). Supplier assumes all risk for manufacturing production quantities prior to FIDELITY acceptance of first piece.

013 ACCEPTANCE TEST PROCEDURES APPROVAL

Supplier shall obtain FIDELITY Quality Assurance approval of his Acceptance Test Procedure prior to conducting final tests on units to be delivered under this order. Procedure submittal is required ten (10) working days prior to start of testing.

014 PHYSICAL AND CHEMICAL ANALYSIS

Raw material delivered against this order shall be accompanied by a detailed Chemical Analysis Report of Physical Test Report. Material specified on the face of the PO shall be used as the accept/reject criteria.

015 RADIOGRAPHIC REPORTS

Radiographic negatives reports and technique charts shall accompany each shipment of parts in the quantities indicated by the applicable specification. Parts shall be X-rayed in accordance with the applicable drawing specification.

016 FIDELITY FURNISHED MATERIAL

Each shipment of supplies shall include the following certification: "Production of supplies shipped upon this order required the incorporation and/or use of specific material as furnished by FIDELITY and only such FIDELITY furnished material was incorporated and/or used".

017 QUALIFIED PRODUCTS LISTING (QPL) REQUIREMENTS

This order may contain items requiring qualification on a Qualified Products List (QPL). Suppliers shall assure and certify that all items shipped to FIDELITY were procured from and/or manufactured to all applicable specifications, to include appropriate QPL's. Documentation substantiating QPL traceability shall be made available to FIDELITY on request.

018 ACCEPTANCE INSPECTION/TEST REPORTS

Material shipped against this order must be accompanied by Supplier's Acceptance Inspection/Test Data to provide objective evidence of compliance with all Acceptance Test requirements as outlined in the applicable specifications. Test data shall be complete and shall cover all tests and/or inspections performed, traceable to the part number and applicable revision level.

019 RESISTANCE TO SOLVENTS

The supplier shall be required to mark his product in such a manner that the markings will remain legible and the product unaffected after completion of testing, as per MIL-STD-202 Method 215 or MIL-STD-883 Method 2015, as applicable (solution C not used). Permanency will be verified on incoming materials.

020 NON-CONFORMING SUPPLIES

Supplier disposition of non-conformances, as defined by EIA-649, is specifically withheld from this procurement. Non-conformances shall be documented and submitted to FIDELITY in accordance with EIA-649. The shipment of materials and/or parts prior to FIDELITY approval is not permitted.

021 CERTIFICATE OF TRACEABILITY - CALIBRATION

Provide a certificate of calibration that indicates traceability to NIST or international standards consistent with the recommendations of the General Conference on Weights and Measures (CCGPM). Indicate referenced standard, nomenclature, serial number, NIST report number, and calibration date. Also show accuracy and environmental conditions under which results were obtained. FIDELITY shall be immediately notified on any out-of-tolerance indication.

022 MERCURY EXCLUSION CERTIFICATION

Materials delivered under this order shall include a certification that reads substantially as follows: "Material and/or parts furnished on this order have been manufactured and/or processed without exposure to or use of elemental mercury, or thermally unstable mercury compounds, and that all reasonable precautions have been taken to ensure that the materials furnished are not contaminated."

023 OZONE-DEPLETING SUBSTANCES (CIODS) CERTIFICATION

Supplier certifies that the use of ozone-depleting substances (CIODS) as identified in Section 602(a) of the Clean Air Act (42 U.S.C. 7671a(a)), was not used in the manufacture of this material.

024 SUPPLIER CONFIGURATION CONTROL

The supplier may not make changes to the technical documentation, specifications or drawings referenced by the FIDELITY Purchase Order without prior approval by FIDELITY. Proposed change definition shall be submitted in accordance with EIA-649. The shipment of material and/or parts prior to change approval is not permitted.

025 APPROVED PROCESS/INSPECTION SYSTEM

The supplier shall maintain a system of process and/or inspection control to ensure that all supplies/services provided conform to purchase order requirements. FIDELITY reserves the right to perform an audit of the supplier's facility prior to or during production of supplies/services. Unacceptable results of an audit or other methods of verifying supplier process/inspection control shall disqualify the supplier. A re-audit may be conducted after appropriate corrective action has been implemented.

026 PROOF OF ARTWORK

Supplier shall submit proof of artwork sample to the FIDELITY Quality Assurance Department for approval prior to production.

027 SPECIAL REQUIREMENTS

Refer to the Purchase Order for additional Quality requirements.

028 EXPANDED REQUIREMENTS

This Quality Clause expands the requirements for Quality Clauses 01 and 018, and addresses the organization of the data provided to Fidelity on the Fidelity FTP site.

- (a) In addition to the requirements in Quality Clause 01, the Certificate of Compliance must accompany the actual shipment of parts.
- (b) In addition to the requirements in Quality Clause 018, the following requirements and definitions apply:
 - a. All material delivered after First Article material can be sampled per ANSI/ASQC Z1.4 – 1993, Inspection level II, AQL = 4% or tighter.
 - b. Readable electronic copies of the supplier’s inspection data that verifies the material meets the drawing requirements. In general, this means for each lot of material (lot size defined by the supplier and lot traceability to be provided to FIDELITY), the sample size taken and all the measurements taken on that sample. The data should indicate passing for all requirements. **If data indicates not passing, then an annotation/explanation must be provided.**
 - c. If the supplier’s inspection data is based on a different reference line or surface feature (i.e., plane) other than that defined on the drawing, then the supplier must provide the reference used and mathematical translation from the drawing reference to the supplier’s reference, along with an approved supplemental drawing.
 - d. Identify if a jig was used to verify that the part is in compliance with the drawing. If a jig was used, then the jig must be calibrated to show it complies with the drawing requirements and is traceable to NIST. Initial jig dimensional validation needs to be provided to FIDELITY. Also need to provide the jig validation certificate and the frequency of validation (i.e., daily, weekly, by lot, etc.). Also, identify the measurement tool used in making the validating measurements.
 - e. If the product delivered comes from a different material lot (i.e., different heat number) than the first article material, then the material requirements, tests, ballistic tests (where required) must be provided with the material (reference the appropriate military specification for details).
 - f. For painted material, in addition to a C of C for paint, the supplier must provide a lot traveler or other documents with pictures that show the paint was tested per MIL-DTL-53072 and passed all requirements.
 - g. Notify FIDELITY if any part is, or will be, monitored by SPC. If so, provide the control data to FIDELITY.
- (c) Supplier data on the FTP site needs to contain the following:
 - a. Certificate of Compliance indicating conformance to specifications, **if hard copy not provided with parts.**
 - b. Certificate of Compliance indicating conformance to painting requirements (if applicable)
 - c. A bubbled drawing showing the dimensions that were measured.
 - d. CMM data, or other data, referencing the bubbled drawing.
 - e. References to jigs, or different reference lines used (if applicable).
 - f. Material certs and tests (if applicable).
 - g. Certifications on specialty finishes: chemical-film treatments, chromate conversions, etc., were applicable.
 - h. Welder certifications as applicable.
 - i. Supporting material: paint adherence tests, pictures, etc.

029 SUPPLIER’S IDENTIFICATION MARK

The supplier must identify their manufactured product by marking their parts with a letter code. The letter code and placement location are to be defined by the buyer.