

- Refer to PO notes for exceptions.
- NEOTech purchase orders will include a website link to the quality clauses.

(X = applicable to the order, ** = applicable to order when noted on PO or specific drawing)

Quality Clause #	Quality Clause	Sources of Supply			
		All Sources	Original Component Manufacturers (OCM)	Franchised Distribution	Non-Franchised Distribution
S1	Verification of procured EEE components SAE AS6171				X
S2	Tape & Reel Service Providers	X			
S3	Lead Refinishing Service Providers (Lead refinishing & BGA re-ball)	**			
S4	Lead Refinishing Service Providers (Marking requirements)	**			
S5	Record Retention	X			
S6	Guarantee of Material Sources(s)	X		X	X
S7	Supply Chain Traceability		X	X	
S8	Certificate of Conformance & Traceability (U.S. DOD Contracts)	X	X	X	X
S9	Independent Distributors - Test & Inspection Requirements				X
S10	Independent Distributors - Supply Chain Traceability				X
S11	Independent Distributors - Certificate of Conformance				X
S12	Independent Distributors - Certificate of Authenticity				X
S13	Independent Distributors - Quality Management System				X
S14	Independent Distributors - Product Impoundment & Financial Responsibility				X
S15	Independent Distributors - Penalties Associated with Fraud				X
S16	Buyer Audit and Surveillance Program Requirements	X			
S17	Mercury Free	X			

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Quality Clauses	Quality Clause Description (The following Quality Clauses only apply when specified on the purchase order)
S1	<p>Material Authenticity (counterfeit mitigation) Verification of procured EEE components per SAE AS6171</p> <ul style="list-style-type: none"> • Table 6A, 6B or 7 moderate risk, model 2 • Sample size per table 8, 9 & 10 as applicable for the lot quantity. • Provide a test report per the requirements listed in section 3.8 and the associated AS6171 slash sheets for the component type under test. • Tests should be performed in the sequence found on the associated tables.
S2	<p>Tape & Reel Service Provider Load material into carrier tape orientated as shown in original component manufacturers datasheet.</p>
S3	<p>Lead Refinishing Service Providers: (lead refinishing & BGA re-ball)</p> <ul style="list-style-type: none"> • For Northrop Grumman (NGX format part numbers): perform lead refinishing/BGA re-ball in accordance with Northrop Grumman Corporations specification identified in the PO comment section. • For all other part numbers: perform lead refinishing in accordance with J-STD-001 (63-37 tin (Sn)-lead (Pb) solder).
S4	<p>Lead Refinishing Service Provider (marking requirements)</p> <ul style="list-style-type: none"> • For Northrop Grumman (NGX format part numbers): Review applicable Northrop Grumman spec for requirement for part marking. <ul style="list-style-type: none"> ○ Northrop Grumman spec number 093-013849 requires part marking. ○ When Northrop specification requires part marking, component packages SOIC8 or smaller do not require the orange dot. • For Ball Aerospace (BALX format part numbers): After lead refinishing / re-ball, mark parts with small orange dot. Except, component packages SOIC8 or smaller do not require the orange dot. • For all other part numbers: Post lead refinish/BGA re-ball part marking is not required
S5	<p>Longmont Colorado Record Retention Record retention is 12 years. When there's a conflict with other flow downs, this clause takes precedence.</p>
S6	<p>Guarantee of Material Source(s) The seller shall ensure that only new and authentic materials are used in materiel delivered to the buyer. The Seller may only purchase the material listed on the purchase order directly from original manufacturers, manufacturer franchised distributors, or authorized aftermarket manufacturers. Use of materiel that was not provided by these sources is not authorized unless first approved in writing by buyer. The seller must present compelling support for its request (e.g., original manufacturer documentation that authenticates traceability of the materiel to the original manufacturer), and include in its request all actions to ensure the materiel thus procured is authentic and conforming</p>

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S7	<p>Supply Chain Traceability</p> <p>The seller shall maintain a method of commodity and item level traceability that ensures tracking of the supply chain back to the manufacturer of all material listed on the purchase order being delivered per this order. This traceability method shall clearly identify the name and location of all of the supply chain intermediaries from the manufacturer to the direct source of the materiel for the seller and shall include the manufacturer's commodity or item level identification for the item(s) such as date codes, lot codes, heat codes, serializations, unique item identifiers, or batch identifications.</p>
S8	<p>Certificate of Conformance & Traceability (U.S. DOD Contracts)</p> <p>This clause is applicable to all contracts for Qualified Products List (QPL) or Qualified Manufacturers List (QML)- controlled materiel. This clause applies regardless of the point of inspection designated in the contract award. This clause applies both to contracts awarded directly to a manufacturer listed on the applicable QPL/QML and to suppliers (e.g., distributors) not listed as approved manufacturers on the applicable QPL/QML.</p> <p>The materiel supplied must be in strict conformance to the requirements set forth and/or referenced in the item description, including applicable revisions and slash sheets. To ensure this conformance, the contractor must provide a Certificate of Conformance and Traceability (CoC/T) with the information and documentation required by the applicable specification. This documentation must reference the contract number and include a certification signed by the approved QPL/QML manufacturer. In addition, if the materiel is not procured directly from the approved manufacturer, all additional documentation required by the specification must be provided to establish traceability from the QPL/QML manufacturer through delivery to the Government. The CoC/T is required to determine acceptability of the supplies. If the CoC/T is not provided, is incomplete or otherwise unacceptable, the supplies will be determined not to meet contract requirements and will be rejected.</p> <p>If the contract requires inspection and acceptance at origin, the contractor shall furnish the original and two copies of the CoC/T to the Government Quality Assurance Representative (QAR) with the items offered for acceptance. The CoC/T must clearly reference the applicable contract number. The contractor shall submit one signed copy to the contracting officer. The second copy shall be retained by the QAR. The original shall be maintained by the contractor.</p> <p>If the contract requires inspection and acceptance at destination, the contractor shall mail one copy of the CoC/T to the contracting officer upon shipment/delivery. The CoC/T must clearly reference the applicable contract number.</p>

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S9	<p>Independent Distributers - Test & Inspection Requirements</p> <p>The seller shall establish and implement test and inspection activities necessary to assure the authenticity and conformance of purchased materiel, including:</p> <ul style="list-style-type: none"> - Traceability and documentation verification; - Visual examination; - Tests and inspections. <p>Tests and inspections shall be performed in accordance with clearly delineated accept/reject criteria provided or approved by buyer. The seller shall prepare and provide to the buyer records evidencing tests and inspections performed and conformance of the materiel to specified acceptance criteria.</p> <p>Tests and inspections should be performed by persons that have been trained and qualified concerning detection of the types and means of counterfeiting and how to conduct effective product authentication.</p>
S10	<p>Independent Distributers – Supply Chain Traceability</p> <p>The seller shall maintain a method of commodity and item level traceability that ensures tracking of the supply chain back to the manufacturer of the materiel being delivered per this order. This traceability method shall clearly identify the name and location of all of the supply chain intermediaries from the manufacturer to the direct source of the materiel for the seller, and shall include the manufacturer's commodity or item level identification for the item(s) such as date codes, lot codes, heat codes, serializations, unique item identifiers, or batch identifications.</p>
S11	<p>Independent Distributers – Certificate of Conformance</p> <p>The seller shall approve, retain, and provide copies of Certificates of Conformance (CoC). Manufacturer CoCs shall, at minimum, include the following:</p> <ol style="list-style-type: none"> a. Manufacturer name and address; b. Manufacturer and/or buyer's part number and dash number, group number, or similar; c. Commodity or item level identification for the item(s) such as date codes, lot codes, heat codes, serializations, unique item identifiers, or batch identifications; d. Signature or stamp with title of seller's authorized personnel signing the certificate. <p>NOTE: Distributers shall, in addition to the above, include their name for each part shipped.</p>
S12	<p>Independent Distributers – Certificate of Authenticity</p> <p>The seller shall approve, retain, and provide copies of Certificates of Authenticity (CoA). Manufacturer CoAs shall, at minimum, include the following:</p> <ol style="list-style-type: none"> a. Contract Number b. Manufacturer name and address; c. Manufacturer and/or buyer's part number and dash number, group number, or similar; d. Item Nomenclature, Quantity, Unit of Measure; e. Actual Manufacturer CAGE Code, Design Control Activity CAGE Code;

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S13	Independent Distributors – Quality Management System The seller shall have a quality management system that complies with AS9120, Quality Management Systems - Aerospace - Requirements for Stocklist Distributors. Organizations that obtain certification/registration to AS9120 and subsequently change certification/registration bodies (CRB), lose registration status, or are put on notice of losing registration status, shall notify the buyer's procuring organization(s) within three days of receiving such notice from its CRB.
S14	Independent Distributors – Product Impoundment & Financial Responsibility If suspect/counterfeit material is furnished under this purchase agreement, such items shall be impounded. The seller shall promptly replace such items with items acceptable to the buyer and the seller may be liable for all costs relating to impoundment, removal, and replacement. The buyer may turn such items over to Authority Having Jurisdiction for investigation and reserves the right to withhold payment for the suspect items pending the results of the investigation. Any known instances of fraud or attempted fraud shall be documented in writing to the buyer.
S15	Independent Distributors – Penalties Associated with Fraud This purchase order and activities hereunder are within the jurisdiction of the associated government contract. Any knowing and willful act to falsify, conceal or alter a material fact, or any false, fraudulent or fictitious statement or representation in connection with the performance of work under this purchase order may be punishable in accordance with applicable legal statutes. Seller employees engaged in the performance of work under this purchase order shall be informed in writing prior to performance of work that there is a risk of criminal penalties associated with any falsification, concealment, or misrepresentation in connection with work performed under this purchase order. Seller shall include the following statement preprinted on each Certificate of Conformance initiated by the seller and provided to the buyer in conjunction with this purchase order: NOTE: The recording of false, fictitious or fraudulent statements or entries on this document may be punishable as a crime under the associated government statute. Seller shall include all provisions of this contract clause, including this sentence, in all lower tier contracts under this order. Any inability or unwillingness of a lower-tier supplier to comply with this provision should be documented in writing and submitted to the buyer.
S16	Buyer Audit and Surveillance Program Requirements Buyer reserves the right to conduct periodic audits of Supplier's processes and associated records. Supplier shall make available to the Buyer pertinent records as necessary for Buyer to conduct audit(s). The Supplier shall ensure that Buyer and Buyer's customers have access to the Supplier facilities and the facilities of its supply chain at all tiers, in order to verify compliance to the Buyer requirements.

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S17

Mercury Free:

The Contractor, and all subcontractors and vendors, shall ensure that mercury or mercury containing compounds are not intentionally added to, or come in direct contact with, hardware or supplies furnished under this contract. The Contractor shall check any hardware surfaces in the above systems which are known or suspected to have come in contact with mercury or mercury compounds for evidence of structural degradation and external mercury contamination. The presence of mercury in a product may be determined by checking product labeling on material safety data sheets or safety data sheets. Chemical analysis is not required.

If the use of mercury or mercury compounds cannot be avoided, the vendor shall immediately notify the buyer for approval and support any related investigation prior to using mercury or mercury compounds.

By shipping material, the Subcontractor is certifying the material is mercury free in accordance with the above clause.

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**NEOTech Longmont Quality
Clauses**

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