EAST/WEST INDUSTRIES, INC.
AN INNOVATIVE COMPANY

Supplier Quality Assurance Requirements

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East/West Industries, Inc.
2002 Orville Drive North
Ronkonkoma, NY 11779
Tel: 631-981-5900
Fax: 631-981-5990
Email: Purchasing@eastwestindustries.com

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SECTION 1A–SUPPLIER QUALITY ASSURANCE REQUIREMENTS

1.0 Purpose

This document establishes the procurement quality requirements (Clauses), that are incorporated by reference on the Procurement Document and which should govern performance of the Seller issued the Procurement Document. The elements of this manual supplement those requirements levied by East/West Industries (EWI) Supply Chain within the Terms and Conditions (T&Cs).

2.0 Definitions

A. **Buyer**: East/West Industries Supply Chain Buyer or Subcontract Administrator that has been issued delegation of procurement authority to make commitments for the procurement of material and services. The term 'Buyer' throughout this document may be interchanged with the term 'Subcontract Administrator'.

B. **Seller**: The legal entity that is providing products and/or services and has entered into a contractual relationship for providing products and/or services to EWI through a Procurement Document.

C. **Procurement Document**: The Purchase Order or Subcontract between the Buyer and Seller.

D. **Item**: The product or service contracted for by the Procurement Document.

E. **Rework**: Previously documented and approved process that brings the product into conformance with defined requirements.

F. **Repair**: A condition where the product cannot conform to engineering standards; however, a subsequent operation can be performed to return the product to a condition that shall meet fit, form, and function.

G. **Latent Defect**: A flaw or other imperfection in an item which is discovered after delivery.

H. **Commercial item**: Any item, other than real property, that is of a type customarily used by the general public or by non-governmental entities for purposes other than governmental purposes, and has been sold, leased, or licensed to the general public; or, has been offered for sale, lease, or license to the general public.

I. **Commercial Off the Shelf (COTS)** Item: Commercially available off-the-shelf (COTS) item, means any item of supply (including construction material) that is A commercial item (as defined in the paragraph above, in substantial quantities in the commercial marketplace; and Offered to the Government, under a contract or subcontract at any tier, without modification, in the same form in which it is sold in the commercial marketplace; and does not include bulk cargo, as defined in 46 U.S.C. 40102(4), such as agricultural products and petroleum products.

J. **Government-Industry Data Exchange Program (GIDEP)**: A cooperative activity between the U.S. Government, the Canadian Government, and Industry participants seeking to reduce or eliminate expenditures of resources by sharing technical information essential during research, design, development, production and operational phases of the life cycle of systems, facilities and equipment.

3.0 Standard Quality Requirements

This section of the SQAR Manual applies to all procurements. Individual Clauses are assigned as necessary and are in addition to the requirements of this section. Unless otherwise noted, these are applicable for all procurements.

3.1 Supplier's Responsibility for Conformance

East/West and its customers expect our suppliers to deliver material that is 100% compliant with all the Procurement Document Requirements. If a Supplier has any changes to drawings, specifications noted on the drawing, processing, materials, or contractual requirements of the Procurement Document, a Deviation/Waiver /Information (DWI) can be initiated by the supplier to request assistance. The DWI process and its requirements can be facilitated by the buyer.

3.2 Specialty Metals

East/West requires products containing specialty metals to be compliant with DFARS 252.225-7009, "Restriction on Acquisition of Certain Articles Containing Specialty Metals". Sellers providing products containing specialty metals shall ensure the product is compliant with DFARS 252.225-7009. Sellers shall take the proper course of action to meet the requirements of this clause in the products delivered to East/West. All government supply Purchase Order suppliers are subject to DFARS 252.225-7009, which is incorporated in East/West Terms and Conditions and included as an additional clause for government commercial items per the DoD Specialty Metals requirement.

Note: Failure to comply with the specialty metals clause may adversely impact delivery of East/West products in support of the War Fighter, resulting in delays in schedule and potentially expensive retrofitting throughout the supply chain. You must ensure your products comply with the Specialty Metals clause prior to delivery to East/West.

3.3 Counterfeit Prevention

The requirements of Q18 shall be met by all suppliers of Electronic, Electro-Mechanical and Electrical (EEE) Parts, Components, Assemblies and Systems suppliers. The requirements of Q26 shall be met by all suppliers of non-electrical parts, including but not limited to fasteners, nuts, washers, springs, O-rings, inserts, and pins.

3.4 Exception to Rejections

In the event a supplier does not accept the responsibility for a discrepant condition, the supplier shall initiate a letter of exception to their buyer. The letter shall make full reference to applicable documents and be specific in defining the area of exception.

3.5 Supplier Sub-tier Control

Supplier shall ensure the following:

- All items procured from its subcontractors conform to all requirements of the East/West purchase order
- All provisions of this document that have been incorporated into the Procurement Document are flowed to its subcontractors, including copies of the latest revision process specifications
- For Special Processes Procurement Documents “East/West Industries” is cited as the customer and the latest process specification revisions are included in the Procurement Document

3.6 Prohibited Practices

1. Unauthorized Repairs: Seller shall not repair any damaged item, or any item found to be faulty during manufacturing or that fails to meet Buyer specification/drawing requirements, without Buyer’s written approval, except when the nonconformance is minor and Material Review Board (MRB) authorization has been granted by East/West. Seller is not authorized to perform MRB activities on non-conforming materials without Buyer authorization
2. Change in Approval, Drawing, Processes, Materials, or Procedures: Seller shall not change any drawing, process, material (including sub-tier supplier parts), or procedure without prior Buyer’s written approval, if such drawing, process, material, or procedure was used to qualify items or which was used by Seller to become a qualified source.
3. Seller shall notify buyer of item latent defects found by seller or sub-tier suppliers.
4. Re-submittal of Rejected Items: Any item rejected by Buyer and subsequently resubmitted to Buyer shall be clearly identified as a resubmitted item, indicating the Procurement Document number and Buyer’s reject document number in Seller’s Certificate of Conformance.
5. Notification of Facility Change: Seller shall not use any production, manufacturing, and/or processing facilities that differ from facilities previously approved by Buyer without first notifying Buyer and affording Buyer an opportunity to examine and approve such facilities for compliance with procurement quality requirements. Seller shall not relocate any production, manufacturing, and/or processing facilities previously approved by Buyer without first notifying Buyer and affording Buyer an opportunity to examine and approve such facilities for compliance with procurement quality requirements.
6. Changing of Test Facility: If a specific test facility was previously approved by Buyer as provided for in the Procurement Document, the Seller shall not change a test facility or use another test facility to meet specification/drawing requirements without prior Buyer’s written approval.
7. Change in Quality Management System status: Seller shall not make a significant change in QMS certification status without notifying the Buyer, such as approval of QMS to ISO 9001, AS9100, AS9110, AS9120, or FAA Repair Station requirements, major findings that jeopardize supplier’s certification status, loss of certification, or supplier’s willful decision to opt out of QMS certification to one of the

standards noted above.

8. Change of Management/Owner: Seller shall notify Buyer when a significant change in management or ownership has occurred.

3.7 Responsibility for Conformance

The supplier shall, at minimum, conform to all Procurement Document, flow down, audit and quality requirements.

1. Neither surveillance, inspection, and/or test made by Buyer or its representatives or US Government representatives at either Seller's or Buyer's facility, or Seller's compliance with all applicable procurement quality requirements, shall relieve Seller of the responsibility to furnish an item that conforms to the requirements of the procurement document.
2. Seller shall control sub-tier supplier procurements to the extent necessary to ensure quality requirements specified in the procurement document are satisfied.
3. Seller shall ensure all applicable provisions of this document are flowed to its subcontractors including copies of the latest revision process specifications.
4. Seller shall notify Buyer of any proposed change in design, fabrication method, or process, and obtain approval from Buyer before making the change.
    a. Articles, which have incorporated approved changes, shall be appropriately identified.
5. Seller shall notify buyer of item latent defects found by seller or sub-tier suppliers.
6. When required, Quality requirements shall, at minimum, include the following:
    a. Sub-tier supplier pre-award survey/evaluations
    b. Periodic auditing of supplier
    c. Implementing a sub-tier supplier rating system
    d. Ensuring adequate review of procurement documentation prior to procurements
    e. Controlling procurement of critical items for Seller's product
    f. Inspection of procured items to documented procedures
    g. Control of non-conforming material, including corrective action
7. Product nonconformances shall be documented in accordance with paragraph 3.13, Nonconforming Materials.

3.8 Buyer Survey, Surveillance, Audits, and Inspection

1. Buyer or Buyer's representative, as well as their customers and regulatory authorities shall have the right of access to conduct surveys, audits, and surveillance of Seller facilities involved in the Procurement Document and applicable records, and those of Seller's sub-tier suppliers with prior coordination with Seller, to determine capability to comply, and to verify continuing compliance, with the requirements of the Procurement Document and applicable state or federal regulations.
2. Buyer or Buyer's representative shall have the right to perform an inspection at Seller's facilities and those of Seller's sub-tier supplier with prior coordination with Seller, during the period of manufacturing and inspection prior to shipment.
3. Final inspection and acceptance shall be performed at the Buyer's facility, unless otherwise specified in the Procurement Document.

3.9 Failure Reporting

When an item is returned to a seller for troubleshoot and/or repair, the seller shall provide a document that outlines what actions were taken to return the item to a serviceable condition; minimum information requirements shall include the following:

1. Procurement Document number
2. Part number
3. Discrepancy from customer
4. Fault found
5. Actions taken to repair discrepancy
6. Test procedure used to verify fault has been eliminated
7. Failure Reports shall be signed by Seller's duly authorized representative.

3.10 Supplier Corrective Action Request

1. When a quality problem exists with Seller's items, Seller shall respond to and complete a Corrective Action Request.
2. Responses to Corrective Action Requests shall be timely and shall include the following information:
    a. Root cause of the deficiency
    b. Action taken to correct the specific deficiency
    c. Action taken to prevent recurrence of the deficiency
    d. Action taken to determine if other products are affected
    e. Effectivity date for implementation of identified corrective and preventive actions
    f. Verification that the corrective and preventive actions are effective

3.11 U.S. Government Source Inspection

For procurements made under U.S. Government contracts, the US. Government shall have the right to inspect any and all of the work contracted through the Procurement Document, at Seller's facilities or at sub-tier supplier's facilities. Seller quality control or inspection system and manufacturing processes are subject to review, verification, and analysis by authorized U.S. Government representatives.

3.12 Measuring and Test Equipment

1. As applicable to this procurement, the Seller shall be responsible for validating the accuracy and stability of tools, gages, and test equipment used to demonstrate that an item conforms to the requirements specified in the Procurement Document.
2. Documented schedules shall be maintained for periodic calibration to adequate standards.
3. Objective evidence of calibrations shall be recorded and made available for Buyer's review.

3.13 Nonconforming Materials

Nonconforming material must be identified and documented, segregated or bonded,

pending disposition when found, to prevent its unintended release or use, and evaluated to determine the actions necessary to contain its effect on other processes or products.

1. Seller shall provide and maintain a corrective action and disposition program for non-conforming materials.
2. Seller shall provide for control, segregation, and identification of non-conforming materials detected at Seller's facilities.
3. Seller shall not have MRB disposition authority without Buyer's written authorization.
4. No Repair shall be allowed outside of the specific specification limits unless prior written approval is obtained by Seller from Buyer.
5. No Rework shall be allowed unless prior written approval is obtained by Seller from Buyer.

3.14 Inspection Records

1. Seller shall maintain records of all inspections and tests performed on any item delivered to the Buyer's facility.
2. Records shall identify any non-conformance and shall be made available for Buyer's review.
3. Seller and subcontractors shall ensure records are available for review by Customers and Regulatory Authorities in accordance with contract or regulatory requirements.

3.15 Sample Inspection

1. Seller, prior to implementation of a sampling plan, shall provide a copy of said plan to the Buyer. Buyer reserves the right to reject any plan which does not conform to the quality requirements of the program.
2. Seller may use sample inspection plans, when tests are destructive, or when the records or inherent characteristics of the product indicate that a reduction in inspection/testing can be achieved without jeopardizing product quality.
3. Sample inspection shall be in accordance with the applicable Buyer specification. When not specified by Buyer, military standard sampling plans, e.g., from ANSI/ASQCZ1.4-11, MIL-STD-414, or handbooks H016, H017, and H018, may be used.
4. All sample inspection plans shall provide valid confidence in specified quality levels.

3.16 Identification

1. All materials shall be identified by a part number and revision, permanently and legibly affixed directly to the surface of each article, In the event this is not possible due to physical size or nature of material, an identification tag shall be securely affixed to each article, or
2. If articles are supplied in individual or multi-unit containers the container shall reveal the appropriate identification.

3.17 Packaging, Preservation, and Storage

1. Seller shall incorporate good commercial practices for preservation and packaging of all articles that apply to this Procurement Document.
2. Seller shall identify each package permanently and legibly with Procurement Document number, manufacturer's name, date shipped, and packing sheet number.
3. Packaging shall be selected, to the extent necessary, to provide protection from physical and environmental damage during shipping and handling.
    a. Cushioning materials shall be applied, as required, to protect and to restrict movement of items.
4. All materials which are volatile, toxic, or emit fumes, which are harmful to human health, shall be properly contained in accordance with applicable health and safety requirements. Seller shall take appropriate measures to prevent handling damage, from preparation for shipment through receipt (i.e., palletizing, shrink wrapping, or otherwise securing materials for shipment to prevent degradation during transit).
    a. Containers shall be plainly marked as to its contents with appropriate warnings, precautions, instructions, and storage conditions.
    b. A Safety Data Sheet (SDS) shall be included with each shipment.

3.18 Storage and Shelf Life

1. Seller shall identify materials and articles having definite characteristics of quality degradation or drift with age and/or the environment.
2. Seller shall provide a copy of the manufacturers Certificate of Conformance (C of C) that defines the shelf life characteristics of any material that fits into this category. Identification shall include the following information as a minimum:
    a. Date of manufacturer
    b. Batch and/or lot numbers
    c. Date of expiration
    d. Procurement Document number
    e. Any special storage conditions for the material
        i. If a material has no identified shelf life the certificate shall note this condition. Seller’s certificate should be traceable to the place of procurement or manufacturer. A manufacturer’s certificate that is traceable to the material provided is acceptable.
3. Identification shall indicate the date and/or cycle that the critical life was initiated and the date and/or cycle at which the useful life will be expended.
4. If environment is a factor in determining useful life, identification shall also include the storage temperature, humidity, etc., required to achieve the stated useful life.
5. In no case shall materials or articles be supplied to the Buyer with less than 75% of its useful life or cycles remaining; however, Seller shall verify that sufficient operating life and environmental margin remains to meet the specified requirements of the procurement document.
6. If Buyer so chooses, they may accept material with less than 75% of the shelf life remaining due to critical need and will document this action on the Procurement Document directing the seller to ship the material.

3.19 Seller's Basic Certificate of Conformance

1. A Certificate of Conformance shall be provided with each shipment with the following information at a minimum:
    a. Procurement Document and Line Item Number
    b. Identifying nomenclature such as Item Name, Part Number, Revision, Serial Numbers
    c. Quantity shipped
    d. Conformance Clause: "The items furnished per Buyer's procurement document have been manufactured, tested, and inspected in accordance with the requirements of the applicable specifications/drawings and the results of such tests and inspections meet the requirements thereof." (or equivalent wording)
    e. The Certification of Conformance shall be signed by Seller's duly authorized representative.
2. The seller shall provide their standard Certificate of Conformance to certify that the articles delivered under this Procurement Document conform to the applicable requirements of Buyer's or Manufacturer's specifications for the article ordered.

3.20 Certificate of Government Approved Qualified Parts List (QPL) Items

When the items supplied are required to be Qualified Parts List (QPL)/Qualified Manufacturers Line (QML) parts the following shall apply:

1. Seller shall submit a certification identifying that the manufacturer of the material described herein has been granted qualification by the Defense Supply Agency (DSA) in accordance with the applicable military specification.
2. The inclusion of products from the QPL shall not relieve the manufacturer of their responsibility for providing items, which meet all specification requirements, or for performing the qualification, inspections, and tests specified for such items.

3.21 Control of Processes

1. Seller shall monitor processes to ensure supplier services and/or products meet contractual requirements
2. Seller shall take corrective action when process measures indicate that products or services could potentially falls outside of acceptable, contractual limits.

3.22 Disclosures and Notifications

1. The Seller's system shall provide for timely reporting to the Buyer of nonconformities that may affect already delivered product, including suspect/counterfeit parts, materials, and conditions under which product malfunctions, defects, and un-airworthy conditions have to be reported and dispositioned, or any continuing airworthiness actions.
2. Seller shall ensure that their quality management system has the capability to report nonconformance(s) on Critical Safety Items (CSI) in full compliance with Defense Federal Acquisition Regulation Supplement (DFARS) 252.246-7003.

3.23 Cancelled or Superseded Specifications

1. "Cancelled or superseded military specifications that are called out on legacy East/West drawings shall be certified to the latest or superseding specifications and provided there is a clear linkage via DODISS or IHS website.
   NOTE: Suppliers are cautioned to verify the "Cancellation Notice" because certain cancelled military specifications have been reinstated in recent years.
   a. Processing shall be continued to the cancelled specification when the "Cancellation Notice" does not provide a clear direction for a superseding specification.

3.24 Contamination / Foreign Object Debris (FOD)

1. Supplier shall ensure that the work environment needed to achieve conformity of product and service requirements includes the elimination of contamination or foreign objects being introduced during any manufacturing, testing or packaging activities. This requirement is applicable to the extent of the supplier's business activities.
   NOTE: Good housekeeping practices should identify and preclude any foreign object or contamination being introduced during processing a shipment to East/West or directed customer.

3.25 Deviation / Waiver Request (DWI)

1. Seller shall utilize the DWI process to request clarification or change of a drawing / specification requirement.
2. Access to this form shall be requested by Seller.
   NOTE: If a Supplier has any changes to drawings, specifications noted on the drawing, processing, materials, or contractual requirements of the Procurement Document, a Deviation / Waiver Request (DWI) can be initiated by the supplier to request assistance DWI's that are considered producibility enhancements will require the supplier to submit a business case presented upon DWI issuance. The business case will provide justification on how the enhancement will improve quality, cost and/or schedule.

3.26 Control of Special Processes

1. Buyer shall approve special processes performed by Seller including the system/procedures used to control special processes. Processes requiring Buyer approval include:
   a. Welding, destructive physical analysis, brazing, dye penetrate inspection, painting, radiographic inspection, plating, heat treating of metals, casting, chemical surface treatments, forging, contamination control, bonding, magnetic particle inspections, conformal coat, composites, soldering, pressure test, and ultrasonic inspection
   b. Any other processes defined in the Procurement Document
2. All special processing that is not performed by the seller shall be performed by either a current buyer approved special processing source or a NADCAP approved

source. Special processing certifications shall be delivered with the shipment to the buyer. In addition to C of C requirements put forth in 3.19, C of C's shall also show current NADCAP approvals (where applicable). Sellers using non-East/West approved sources are required to maintain record approval that processing vendors used are NADCAP approved and are current. Buyer must be notified when accreditations to perform contracted special processing services have expired prior to commencement of work.

3. Buyer approval of special processes shall not relieve Seller of responsibility for exercising the control measures necessary to ensure delivered items conform to the requirements of the Procurement Document.

3.27 Supplier Awareness of Product Safety

Accuracy and compliance to Purchase Order requirements by external providers contribute to the overall effectiveness of East/West's Quality Management System by improved performance and meeting mutually beneficial Quality Objectives. Furthermore, external providers directly contribute to product safety by supplying products and or services that are in compliance with requirements.

SECTION 1B – ORDER SPECIFIC QUALITY CLAUSES

These clauses will be called out by number on the procurement specification if they are applicable to the order.

Q1. Government Source Inspection

A. U.S. Government source inspection shall be required prior to shipment from Seller's facility.
B. Upon receipt of this procurement document, Seller shall immediately notify and provide a copy of the procurement document to the U.S. Government representative, who normally services Seller's facility, so appropriate planning for U.S. Government source inspection can be accomplished.
C. If a U.S. Government representative does not normally service Seller's facility, the nearest Army, Navy, Air Force, or Defense Agency inspection Office shall be contacted.
D. In the event a U.S. Government representative cannot be contacted, Buyer shall be notified immediately.
E. Seller, without additional charge to the procurement document, shall provide all reasonably required facilities and assistance for the convenience and safety of the U.S. Government representatives in the performance of their duties.

Q2. East/West Source Inspection

A. Buyer shall be present (or provide a representative) to perform source inspection at Seller's facilities or where designated in the Procurement Document prior to shipment.
B. Inspection and test of the articles defined in this contract shall be performed by Seller and shall be subject to witnessing by Buyer (or representative).
C. Seller shall provide reasonable inspection facilities for Buyer (or representative) to verify conformance to requirements.
D. Seller shall provide inspection/test data and reports to Buyer's Source Inspector indicating which characteristics, parameters, dimensions, etc., were actually tested/inspected for validation to Buyer's specification/drawing requirements.
E. After Buyer's Source Inspection, any rework or test of the item, including any nonscheduled entry, such as removal of a panel, cover, or enclosure shall void the source inspection.
F. For any nonscheduled entry, rework, or test, Seller shall request Buyer to repeat source inspection.
G. Buyer shall be notified at a minimum of seven (7) workdays prior to commencement of these activities to allow for arrangements for Buyer and/or Buyer's quality representative to be present during inspection and test.
H. Verification activities performed by the Buyer or Buyer's customer at any level in the Seller's supply chain shall not be used by the Seller as evidence of effective control of quality and does not absolve the organization of its responsibility to provide acceptable product and comply with all requirements.
    1. Verification activities can include:
        a. Obtaining objective evidence of the conformity of the product from

the Seller (e.g. accompanying documentation, certificate of conformity, test records, statistical records, process control records)
b. Inspection of the required documentation
c. Inspection of products upon receipt, and
d. Delegation of verification to the supplier or supplier certification

2. Where purchased product is released for production use pending completion of all required verification activities, it shall be identified and recorded by the Seller to allow recall and replacement if it is subsequently found that the product does not meet requirements.
3. If the Buyer delegates verification activities to the supplier, the requirements for delegation shall be defined by the Buyer and a register of delegations shall be maintained by the Seller.

Q3. Deleted (replaced by standard clause 3.14)

Q4. Deleted (replaced by standard clause 3.19)

Q5a. RESERVED

Q5b. First Article Inspection

A. The Seller shall perform a First Article Inspection (FAI) on new product representative of the first production run. The first production delivery part requires a FAI. The Seller shall use a representative item from the first production run of a new product to verify that the production processes, production documentation, and tooling have the capability to produce products that meet East/West specifications.

B. Seller shall submit a First Article Inspection Report to Buyer demonstrating compliance with the requirements in the Procurement Document and referenced documents (refer to AS9102 for guidance).
1. The report shall reflect 100 percent inspection verification of all drawing characteristics.
2. The report shall delineate each drawing characteristic and specify the corresponding actual measurement results.
3. The report shall provide evidence of acceptance by the Seller's authorized Quality Assurance representative.
4. The report shall include the First Article Inspection Reports of any Sub-Level components used in the manufacture of the PO Item with the exception of COTS and Procured Standard catalogue items as defined in AS9102.
Note: Source Controlled Items, defined as items where the design authority resides with the seller, are not subject to this requirement unless such sub-level items are specifically called out by the East/West specifications.

C. Seller shall notify the Buyer the opportunity to witness the performance of First Article Inspection/Testing.

D. The FAI requirement, once invoked, shall continue to apply even after initial compliance. Any or all of the following events requires re-accomplishment of a full, or a delta/partial FAI for affected characteristics:
1. A change in the design characteristics affecting fit, form, or function of the part
2. A change in manufacturing source(s), processes, assembly line, inspection

method(s), location, tooling, or materials.

3. A change in numerical control program or translation to another media that can potentially affect fit, form, or function.
4. A natural or man-made occurrence which may adversely affect the manufacturing process.
5. When required as part of corrective action for a part number with repetitive rejection history.
6. A lapse in production for two years shall require an update for any characteristics that may be impacted by the inactivity. This lapse is from the completion of the last production operation to the actual restart of production.

Q5c. Raw Material Certification

A. Shipment of materials, whether raw, semi-finished, or finished, shall be accompanied by a Certificate of Conformance from Seller, stating at a minimum:
   1. Material identification by specification number and material conditions, where applicable.
   2. The raw material manufacturer's or mill's lot or batch number.
   3. A statement of raw material conformance to applicable requirements.
   4. The name and location of the raw material manufacturer or mill.

B. The Certification shall clearly identify the name and location of all of the supply chain intermediaries from the original manufacturer to the final source of the product delivered to East/West

Q5d. Deleted (replaced by standard clause 3.6)

Q6. Deleted (replaced with standard clause 3.26)

Q7. Serialization and Test Data

Each part delivered to the buyer must contain a unique serial number.

A. When Buyer's specifications or Procurement Document require test data to be recorded during the performance of acceptance testing, a paper or preferably electronic copy of the recorded data, showing evidence of Seller's inspection and verification of performance, shall accompany each shipment.

B. Data shall meet the requirements of Buyer's specifications or Procurement Document and, at a minimum, be identified with:
   1. Buyer's Procurement Document number and change notice number
   2. Part number
   3. Lot numbers, serial numbers, and/or date codes of items tested
   4. Drawing/specification and revision used
   5. Type of test performed
   6. Identification number of test equipment used
   7. Total quantity of items tested, quantity of items accepted, and quantity of items rejected
   8. Any codes, keys, or other information necessary to interpret Seller data

Q8. Deleted (replaced with standard clause 3.17)

Q9. Deleted (replaced with standard clause 3.8)

Q10. Deleted (replaced with standard clause 3.6)

Q11. Deleted (moved to Terms and Conditions of Purchase Ref: EWI-P-168)

Q12. Customer Furnished Property

A. Materials furnished to Seller, by Buyer, shall require accountability by Seller.
B. Materials shall be stored and handled in such a manner to ensure the integrity of the material is maintained.
C. Seller shall obtain direction from Buyer concerning the disposition of rejected and/or unused quantities, or usable trimming remaining at the end of the procurement activity.
D. Seller shall be responsible for maintaining records of identity and the assurance of continued suitability of the tooling, test equipment, etc., while such materials are in their possession.
    1. Return of the equipment shall be arranged through Buyer.

Q13. Critical Characteristics

A. Critical Characteristics or Critical Safety Items are included in this order
B. When manufacturing plans are required by engineering or by your purchase order, they will be submitted to East/West at least thirty (30) days prior to start of production. The manufacturing plan shall contain sequential fabrication, processing, processor name and inspection steps in the order required by the applicable process specification(s) and/or engineering drawing(s).
C. Upon approval of supplier's manufacturing plan, the supplier shall control all manufacturing, processing, testing and inspections as stated in the approved plan. No deviations, including the selection of supplier's sub-tier suppliers/processors, is permitted without East/West's prior knowledge and written authorization
D. The suppler shall perform 100% inspection of all features identified as critical.

Q14. RESERVED

Q15. Deleted (replaced with standard clause 3.25)

Q16. Deleted (replaced with standard clause 3.18)

Q17. Deleted (moved to Terms and Conditions of Purchase Ref: EWI-P-168)

Q18. Counterfeit Parts Avoidance

A. The following requirements apply for all EEE Parts, Components, Assemblies and Systems procurements.

1. The Seller shall ensure all electrical, electronic, electro-mechanical and electro-optical component parts delivered and/or used in the manufacture of deliverable products are from the Original Equipment Manufacturer (OEM) / Original Component Manufacturer (OCM)/ Authorized Aftermarket Manufacture (AAM) or Authorized Franchised distributor and East/West approved Electrical/Electronic Distributors.
    a. If supply chain traceability is not available, the Seller shall not accept the Buyer's PO or agreement without East/West authorization in accordance with the DWI process outlined in 3.25.
2. Any Manufacturer or Distributor that provides Electronic Components, Assemblies, Subsystems or Systems shall have a third-party certified quality management system in accordance with one of the following industry standards: AS9100; AS9120; ISO9001; as defined in the contractual requirements.
3. The Seller shall maintain a documented Material Authenticity / Counterfeit Parts Prevention (MA/CPP) process for the avoidance, detection, mitigation, disposition and reporting of Counterfeit Parts that is compliant with AS5553 and DFARS 252.246-7007 requirements (revision at the time of purchase order release) that documents;
    a. the processes used for assuring that only authentic and conforming materiel is procured and
    b. the processes to be used for risk mitigation, disposition, and reporting in the event any counterfeit materiel is encountered in its supply chain.

    NOTE: The counterfeit protection plan is subject to East/West approval and may be disapproved at any time during the effective time period of the authorized PO or agreement if the plan does not provide for an appropriate level of assurance for procuring material in compliance with the PO to East/West's satisfaction.

4. The Seller shall impose appropriate contractual requirements on all tiers of its supply chain to ensure the substance of this clause, AS5553, DFARS 252.246-7007 and the Buyer's authorized PO/agreement are met.
5. East/West reserves the right to audit the Seller's MA/CPP process, and associated records, at the Seller's facility.
    a. The Seller shall maintain record retention in accordance with PO/agreement requirements and make pertinent records available to East/West.
    b. The Seller shall ensure that East/West and East/West's customers have access to the Seller facilities and the facilities of its supply chain at all tiers, to verify compliance with Buyer requirements.
6. The Seller's MA/CPP process shall ensure it does not receive counterfeit parts into inventory, use them in manufacturing, or inadvertently sell them to other parties.
7. The Seller shall ensure parts are not used or reclaimed and misrepresented as new.
8. The Seller shall ensure that all occurrences where it has:

a. Acquired suspect counterfeit parts are reported to GIDEP
b. Provided suspect counterfeit parts related to its East/West contract are immediately reported to East/West and
c. Take appropriate corrective and preventive actions on all suspect counterfeit parts

9. It is preferred the Seller be a member of GIDEP, if eligible, and review and take appropriate corrective and preventive actions on all GIDEP alerts applicable to material offered for re-sale. This includes alerts for suspect/counterfeit conditions as well as routine technical issues.
    a. If ineligible for GIDEP participation, the Seller shall screen other credible sources of counterfeiting information to avoid such purchase and use.

B. For Parts/Components/Assemblies/Systems procured from a Seller that is an Original Component Manufacturer (OCM), Franchised Distributor or Authorized Aftermarket Seller for that specific Part/Component.

1. The Seller shall provide material traceability documentation with each component being delivered. Minimum traceability requirements for electronic component parts shall include:
    a. Clear identification of the name and location of supply chain intermediaries from the manufacturer to the direct source (OCM/ OEM/ AAM/Franchised-Authorized/One-Tier Removed) of the product for the seller. Manufacturer name and address, manufacturer and/or Buyer's part number and dash number, batch identification for the item(s) such as date codes, lot codes, heat lot, serializations, or other identifications, Signature or stamp with title of seller's authorized personnel signing the certificate.

    Note: Distributors shall, in addition to the above, include their company's certification for each part number shipped.

2. The Seller shall provide certification shall be provided for assemblies stating that all components are traceable to the OEM/OCM or Franchised Distributor.

C. For Parts/Components procured from a Seller that is not an Original Component Manufacturer (OCM), Franchised Distributor, Authorized Aftermarket Seller or if Supply Chain Traceability is unavailable, or suspected of being false, after acceptance of the PO or if Chain of Custody to East/West exceeds "One-Tier Removed" for that specific Part/Component.

NOTE: If after acceptance of the PO the Seller discovers that it is unable to comply with the supply chain traceability requirements of its PO/agreement (including electronic parts contained in procured electronic assemblies), The Seller shall contact the Buyer for further direction in accordance with the DWI process outlined in 3.25.

1. The Seller shall demonstrate the capability to have all authenticity validation tests and inspections (e.g.: AS6081, IDEA-STD-1010) performed and managed per the direction of East/West. East/West reserves the right to disapprove the use of any facility for authenticity testing

2. The Seller shall meet minimum East/West authenticity validation requirements for procured electrical, electronic, and electro-mechanical (EEE) parts without traceability to the manufacturer are set forth below. The following standards may be replaced by equivalent specifications. The version of the applicable documents is the revision in effect as of the date of the purchasing agreement:
    a. AS6081, Fraudulent/Counterfeit Electronic Parts: Avoidance, Detection, Mitigation, and Disposition – Distributors
    b. MIL-STD-883, Test Method Standard- Microcircuits
    c. IDEA-STD-1010, Acceptability of Electronic Components Distributed in the Open Market
3. Standard validation shall include, but is not limited to:
    a. Verification of procured product per SAE AS6081 section 4.2.6.
4. Augmented validation shall include, but is not limited to:
    a. Verification of procured product per SAE AS6081 section 4.2.6.
    b. Except replace sample x-ray inspection with x-ray inspection of 100 percent of parts per Mil-Std 883 Method 2012.
    c. Plus full parametric electrical test (100 percent of parts) at ambient temperature specified per the applicable drawing, industry/military requirements or manufacturer's data sheet (in that order of precedence).
    d. Plus Particle Impact Noise Detection (PIND) of parts with internal cavities per Mil-Std-883 Method 2020 (100 percent of components).
    e. Plus hermeticity test of sealed parts with internal cavities (fine and gross leak per Mil-Std-883 Method 1014) (100 percent of parts).
5. The results of all verification tests and inspections and disposition about the authenticity of the material shall be recorded. The record shall include the following:
    a. Purpose of test
    b. Name of individual performing test
    c. Part number
    d. Lot number and date codes
    e. Device type
    f. Device manufacturer
    g. Country of origin
    h. Test location
    i. Tester hardware information, e.g., model number, serial number, etc.
    j. Load board number
    k. Parameters tested and temperature
    l. Quantity tested
6. The Seller shall:
    a. Maintain verification records and results, including a copy of X-ray and digital photographs, for the parts that are subjected to the inspection and tests above.
    b. Not ship parts to East/West which fail these tests/inspections nor utilize such parts in circuit card assemblies or other products delivered to East/West.
    c. Maintain a separate copy of validation results and disposition.

Copies shall be provided to East/West in accordance with PO requirements or upon request.

Q19. Deleted (replaced with standard clause 3.6)

Q20. Deleted (moved to Terms and Conditions of Purchase Ref: EWI-P-168)

Q21. Deleted (moved to Terms and Conditions of Purchase Ref: EWI-P-168)

Q22. Deleted (moved to Terms and Conditions of Purchase Ref: EWI-P-168)

Q23. Deleted (moved to Terms and Conditions of Purchase Ref: EWI-P-168)

Q24 Drop Ship

A. Seller shall deliver parts/material to address identified on the Procurement Document.
B. A copy of all required documentation shall be sent to Buyer for receipt and review.

Q25 Radiographic / Computer Tomography Inspection

A. Seller shall be approved by Buyer to perform the radiographic/computer tomography inspection applicable to this Procurement Document or shall use a facility approved by Buyer.
B. Unless otherwise specified by the parts specification, each radiograph shall comply with ASTM E 1742 “Radiographic Examination”, MIL-STD-883 “Test Method and Procedures for Microelectronics”, and MIL-STD-750 “Test Method for Semiconductor Devices”.
C. Unless otherwise specified by the parts specification, computer tomography shall comply with ASTM-E1441 “Standard Guide for Computer Tomography Imaging”.
D. The radiographic film / image and a copy of the report shall accompany the shipment of the items to Buyer.
E. Serial number location and x-ray position shall be recorded as part of, or attached to, the report.

Q26 Requirements for Distributors

A. The Distributor (a Seller other than the Manufacturer) shall certify that the articles delivered under this Procurement Document conform to the applicable requirements of Buyer’s or Manufacturer’s specifications for the article ordered.
B. The Distributor certification of conformance shall include the following information:
    1. The origin of manufacture
    2. Part number
    3. Applicable traceability information (date lot code, etc.)
    4. Results of testing or special inspection, as required.
    5. Dated signature of authorized Seller Representative
    6. Items identified by Buyer number shall have complete information as to the original manufacturer and original manufacturer's part number

C. The Distributor shall maintain and provide evidence of material authenticity (chain of custody) back to the Original Component Manufacturer/ Original Equipment Manufacturer/ Authorized Aftermarket Manufacturer. The Certification shall clearly identify the name and location of all of the supply chain intermediaries from the original manufacturer to the final source of the product delivered to East/West.

Q27 Cable Workmanship Standard

A. Workmanship shall be in accordance with IPC/WHMA-A-620 "Requirements and Acceptance for Cable and Wire Harness Assemblies."
B. Unless otherwise stated on the procurement documentation or specifications, parts will be made and inspected to Class 2 standards.

Q28 Advanced Quality Product Planning (APQP) and Production Part Approval Process (PPAP)

A. **Applicability** - APQP requirements apply to part numbers being made for the first time by a supplier. The requirement shall continue to apply during ongoing production. Where a purchase order holder subcontracts some/all of the manufacture of an item, the PO holder shall be responsible for the compliance of their sub-tier(s) to the requirements of this quality clause.
B. **Requirements** - Purchase order holder (supplier) shall comply with AS9145 - REQUIREMENTS FOR ADVANCED PRODUCT QUALITY PLANNING AND PRODUCTION PART APPROVAL PROCESS and the requirements of this Quality Clause. APQP/PPAP activity shall begin immediately upon receipt of a purchase order for a part number being made for the first time by the supplier. Items/documents/approvals defined within APQP requirements shall be completed in accordance with the schedules provided in applicable APQP program documents.
C. **Process** - Supplier shall comply with AI-740-006 which defines the generation, submittal, approval, and maintenance processes for APQP/PPAP. AI-740-006 is available from your East/West buyer.

The PPAP will be approved by the responsible APQP engineer at East/West after the supplier demonstrates the ability to produce conforming hardware while incorporating the APQP tools. Supplier shall maintain records of compliance to APQP/PPAP requirements.