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SUPPLIER QUALITY REQUIREMENTS

1. Applicability

This document defines restrictions and quality system requirements applicable when goods and services are purchased by Central Wire (CWI) or any of its subsidiaries. Suppliers providing commercial off the shelf products may also be approved at the discretion of Central Wire and its subsidiaries without showing compliance to the requirements outlined in the document.

2. Order of Precedence

The requirements of this document do not override or negate any other purchase order requirements. In the case of conflict between the requirements contained herein and any other requirement on the face of the P.O., the requirements of the P.O. prevail. Unless otherwise noted, the Central Wire specification, CWI subsidiary specification, and/or industry specification which is current as of the purchase order date, shall apply.

3. Quality Requirements

Unless otherwise directed by the Purchase Order, the following quality system requirements apply:

3.1. Quality System Requirements - Suppliers must maintain a quality system that, at a minimum complies with ISO 9001 (latest revision at time of Purchase order) and may require certification to ISO9001 and/or AS9100. The supplier is responsible to notify the CWI buyer in writing within 30 days of any changes in quality system status, including extensions or reductions in scopes of approval, third party and/or regulatory Quality Approvals that are either gained or withdrawn. The supplier's loss of certifications or failure to notify CWI of their loss of certification could result in being disapproved as a supplier. Contract and purchase order review shall be conducted for all purchase orders. Contract and purchase order reviews shall be undertaken by personnel having relevant knowledge and experience. Reviews shall ensure that supplier has the capability, capacity, and resources to meet all of the purchaser's requirements. Suppliers shall notify CWI of any instances where the CWI requirement cannot be met prior to beginning production. All written and oral communication between CWI and suppliers shall be in English to include supplier's Specifications, Procedures, Reports, and Certifications.

3.2. Record Retention – suppliers shall retain quality records for a minimum of 10 years from the date of shipment, unless a longer period is otherwise specified. Quality records include the following but not exhaustive list: Approved Certificates of Conformity, Test Reports, Raw Material Certifications, Special Process Certifications, First Article Inspection Reports (FAIR), Route cards/Travelers, and Calibration Records. The data shall be made available to CWI and its subsidiaries upon request, at no extra charge. Records shall be appropriately identified in accordance with customer, regulatory, and company defined requirements. Storage facilities shall provide environmental conditions to prevent deterioration or damage and to prevent loss. The nature of the information in the records, as well as its format, dictates the method by which they shall be destroyed. When records contain sensitive information (such as design detail, proprietary info, ITAR restriction info, etc.), they shall be disposed of by irreversible destruction methods such as shredding, or "eraser"/reformatting for electronic/magnetic media.



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- 3.3. Calibration System** – Calibration of measuring and test equipment used for product acceptance shall be traceable to established international or national measurement standards. Procedures for periodic calibration, certification, maintenance of tools and equipment, and an action plan, should measuring and/or test equipment be found to be out of calibration, shall be established and followed.
- 3.4. Inspection System** – Suppliers shall develop test, inspection, and verification procedures and maintain records of such procedures. Records shall include evidence of inspection for all attributes of products / processes supplied to CWI and its subsidiaries, show the product has been inspected and/or tested during all stages of manufacturing, identify the individual who certified the results, and where applicable include the results of the inspections and tests.
- 3.5. Travelers** - Suppliers shall maintain a traveler, router, process flow sheet, or equivalent control mechanism that directs procedures appropriate for the control of quality and configuration through all stages of production.
- 3.6. Nonconforming Product** – Suppliers ensure that non-conforming products are identified, segregated, and properly dispositioned as required per supplier’s procedures. Only product that conforms to specified requirements shall be shipped to CWI and its subsidiaries. Dispositions of “use as is” or “Repair” for products shall require written authorization prior to shipment (see 3.8) CWI or its subsidiaries does not grant Material Review Board (MRB) Authority to suppliers, unless granted in writing by CWI. Any re-worked products shall be re-inspected and/or tested to requirements prior to shipment to CWI or its subsidiaries. CWI and its subsidiaries reserve the right to audit for compliance.
- 3.7. Non-Conformances Affecting Shipped Products** – Suppliers are required to notify CWI or its subsidiaries within 24 hours of discovering any nonconformance that exists or is suspected of existing on product that has been previously shipped to CWI. This notification shall include the following information:
- Affected product and/or processes
 - Description of nonconforming condition and the affected requirement (both requirement and actual condition)
 - Quantities, dates, purchase orders, and destination of delivered shipments.
 - Lots, batch numbers, serial numbers or date codes as applicable of the affected lot.
- 3.8. Supplier Deviation Request** – Suppliers shall contact CWI or its subsidiaries applicable buyer, submit a supplier deviation request for any nonconforming material, change to specifications, or clarification of requirements.
- Nonconforming material shall not be shipped to CWI or its subsidiaries without an approved supplier deviation request for the nonconformance. In addition, all nonconforming product shipped to CWI or its subsidiaries must be clearly identified as non-conforming product and packaged separately from the acceptable product.



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- 3.9. Statistical Techniques** – suppliers are responsible for understanding and reducing variation within processes and are encouraged to use control charting techniques. When control charting is not performed, sample inspection of all attributes shall be performed. Suppliers using sample inspection plans are not relieved from the responsibility for all attributes on the product.
- 3.10. Customer Designated or Approved External Providers** - CWI, its subsidiaries, and customers reserve the right to flow down the requirement to use customer designated or approved external sources including process sources. When CWI's customer's processes are called out in drawing, prints, specifications, and/or purchase orders, seller shall use processors that are currently approved/certified by the end customer. The use of a customer approved supplier does not relieve the supplier from responsibility to furnish acceptable products.
- 3.11. Supplier Control** – Suppliers, including dealers and distributors, are responsible for ensuring that the applicable requirements of the purchase order are imposed on lower tier procurements for raw material, components, or process services being used in the manufacture of products or services being provided.
- 3.12. Counterfeit Parts Prevention** – All parts, materials, and assemblies (electrical, mechanical, raw material) included in products delivered to CWI or its subsidiaries shall be procured directly from Original component manufacturers (OCM) / Original Equipment Manufacturer (OEM), or from the OCM/OEM authorized –distributor. The supplier is responsible for the flow down of this requirement to its sub-tier contractors and their compliance to it.
- 3.13. Right of Entry** – Representatives of CWI, CWI's Customer, and other regulatory authorities shall have access to supplier's facility and all other facilities involved in the fulfillment of the purchase order, where they shall have access to all procedures, practices, processes, associated documents, and records relating to quality assurance, quality control, and configuration control. The supplier shall notify the CWI or its subsidiaries in writing to any significant facility or organization changes such as company name, location, or senior quality management. Any change in location by the supplier shall be approved by CWI or its subsidiaries. CWI reserves the right to determine and verify the quality of work, records, and material. Such visits shall not preclude subsequent rejection of product and do not absolve the supplier of its product integrity responsibility. CWI and its subsidiaries reserve the right to audit for compliance to all requirements.
- 3.14. Changes in Product, External Providers, Manufacturing Location, or Process Definition** –Suppliers shall notify CWI of changes in product, external providers, manufacturing location or process definition not requested by CWI. Such notification must be given as early as practicable and should describe the change or changes that are being proposed. CWI reserves the right to require approval of the product, external provider, manufacturing location, or the process change prior to supplier shipping any product. Supplier agrees not to make any change in materials or design details which could affect the goods or any component parts thereof without written approval from CWI.
- 3.15. First Article Inspection Report AS9102 (FAIR)** - In the instance that a First Article Inspection (Partial or Full) is required it shall be performed per the requirements of SAE AS9102. The First Article Inspection



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Report (FAIR) shall be submitted to CWI with the first shipment of product on the initial purchase order for the applicable revision of the specification, print, and/or drawing

- 3.16. Test Specimens** – CWI and its customers’ reserve the right to require test specimens be provided for design approval, inspection/verification, investigation, or auditing purposes.
- 3.17. Traceability & Product Identification** – Supplier shall ensure that materials and lots thereof are identified and segregated from all other materials and lots at all times. Records for materials shall indicate type, applicable serial numbers lot numbers, heat numbers, batch, date code, cure date, etc. Material furnished by CWI and its subsidiaries for outside operations must remain identifiable by the CWI supplier lot or serial number. This number must be recorded on all applicable supplier paperwork.
- 3.18. Certificate of Compliance** – The certificate of Compliance shall be shipped with the product to CWI and its subsidiaries. The Certificate of Compliance is a quality record that shall include the CWI or its subsidiaries applicable specification and revision number, Military, Federal, and/or industry specification number and revision number., purchase order number, quantity, serial numbers (if applicable) date shipped, manufacturer’s name, and typed name, title, and signature of authorized representative that is certifying material to requirements. In addition, the supplier shall be able to furnish information on their sources of supply that could include items such as serial numbers, lot numbers, heat numbers, batch, country of origin, date code, and cure dates and Qualified Product List (QPL) approval status as applicable.
- 3.19. Responsibility for Conformance** – Acceptance of products shall not be used as evidence of effective control of quality by the supplier and shall not absolve the supplier of responsibility for acceptable products or preclude subsequent rejection by CWI customers.
- 3.20. Industry Specifications and Standards** – For all Military, Federal, and Industry specifications and standards, the supplier shall comply with the revision in effect at the time the CWI P.O. is issued. CWI reserves the right to request a different revision that would be specified on the purchase order.
- 3.21. Training** – Suppliers shall ensure that all personnel performing activities on CWI product affecting quality have been suitably trained per the supplier procedures or to industry standards if applicable. Personnel performing assigned tasks must be qualified on the basis of appropriate education, training, and/or experience. Unless otherwise specified, procedures shall be implemented to ensure that eye examinations, including visual acuity and color vision, as applicable, are administered by a medically qualified / trained person to all individuals performing visual inspection, other product acceptance activities and/or M&TE calibration that requires visual acuity.
- Intervals shall not exceed one year.
 - Individuals shall be tested in at least one eye, either corrected or uncorrected.
 - Color perception testing is required one time only. Individuals shall be capable of adequately distinguishing and differentiating colors used in the method for which certification is required, the process being performed or inspection activity.

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- Minimum vision requirements for individuals performing visual inspection (i.e. calibration, Non-weld, in-process, layout, dimensional) shall be compliant with minimum near vision requirements of Snellen 14/18, 20/30, or Jaeger 2.
- Minimum vision requirements for individuals performing Visual Inspection on welds shall be compliant with minimum vision requirements of American Welding Society Standard (AWS) D17.1.
- Minimum vision requirements for individuals performing Nondestructive testing (NDT) shall be compliant with minimum vision requirements of Aerospace Industries Association National Aerospace Standard (AIA/NAS) 410.

Note: Vision tests may be substituted for the options above providing the equivalence is verified and documented by a licensed optometrist or ophthalmologists.

The supplier shall ensure that all training records are maintained and available upon request.

3.22. Handling, Packaging, and Preservation – It is the responsibility of the supplier to ensure that the packaging is adequate to protect the product during transportation, handling, and storage. Packaging containers/methods shall be appropriate for the size, weight, and fragility of the components being packed. The type of preservation technique utilized may depend on the materials being preserved and the intended use and application. Material with shelf life requirements shall have the shelf life / Expiration date clearly marked on the packaging and the shipment paperwork. All chemicals shall be accompanied by a relevant Safety Data Sheet (SDS) (formerly called Material Safety Data Sheet (MSDS)) with each shipment. Materials received by CWI shall be free of Foreign Object Debris or Damage (F.O.D)

3.23. Obsolescence Reporting – In the event of any risk of confirmed obsolete product (such as end of life notification, discontinuation notice, Diminishing Manufacturing Sources, etc.), materials, or services the supplier shall contact CWI and advise of all affected products or materials.

3.24. Supplier Monitoring - CWI will monitor delivery, condition, and traceability for control and monitoring of suppliers. Corporate or site-specific Approved Supplier Lists (ASL) are maintained using the above criteria, as well as meeting the individual requirements on purchase orders, including CWI specifications and any external referenced specifications. Chronic or systematic issues will be handled on an individual basis and can lead to removal from approved status.

3.25. Special Requirements, Critical Items, or Key Characteristics – CWI and its subsidiaries reserve the right to flow down requirements to satisfy specific customer and/or business requirements these requirements may include special requirements, critical items, or Key characteristics that apply to Central Wire and its customers. Suppliers shall continue to flow down these requirements throughout the supply chain as applicable to the product or service provided.

3.26. False, Fictitious, Fraudulent – Suppliers who provide False, Fictitious, Fraudulent statements and/or documentation may be punished under felony federal statutes as applicable.

3.27. Awareness – Suppliers shall ensure that persons performing work on CWI's or its subsidiaries' product are aware of:



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- Their contribution to Product and Service Conformity
- Their contribution to Product Safety
- The importance of Ethical Behavior