



# Supplier Quality Manual



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Wolfspeed is committed to providing products which meet the expectations of our customers. It is the responsibility of the Supplier to support Wolfspeed in meeting these expectations.

## 1. Scope

This Supplier Quality Manual (SQM) outlines the quality assurance environmental, and ethical provisions applicable to Wolfspeed's suppliers of materials, processes, services, and products to ensure Wolfspeed's products are compliant to our customers' requirements. For purposes of this manual, the term "Supplier" refers to Supplier and its affiliates involved in the development, manufacturing, marketing, and/or sale of the Products and/or services to Wolfspeed, individually and/or collectively as the context requires. Suppliers are responsible for ensuring that all its in-scope sites and affiliates abide by the provisions in this SQM.

Suppliers are expected to adopt and comply with this SQM. In the event there are conflicts between this SQM, the Wolfspeed Purchase Order Terms and Conditions, and any other signed agreements, the more stringent requirement shall govern.

## 2. SQM Updates

Periodically Wolfspeed may issue updates to this SQM posted at [Wolfspeed.com](https://www.wolfspeed.com). Supplier is expected to review these updates and make adjustments to its processes accordingly.

## 3. Quality Management System Certification

Supplier's quality management system shall be adequate to detect and prevent shipment of nonconforming materials, processes, services, and products including verification of the effectiveness of the quality management system of any subcontractor or sub-supplier used by Supplier in connection with the manufacture or production of the Processes and Products.

It is Supplier's responsibility to define, implement, and maintain a Quality Management System (QMS) across the manufacturing sites that provide materials, processes, services, and products to Wolfspeed which ensures compliance to ISO 9001 or IATF 16949 or AS 9100 (latest adopted versions). Supplier shall demonstrate compliance to these standards by having its QMS audited and certified by an ISO 9001, IATF 16949, or AS9100 certification body (CB) or an independent, accredited Registrar.

Any change to quality management certification (such as de-certification, change in CB or Registrar, or renewed certification) should be promptly communicated to Wolfspeed.

Nothing under this SQM may be interpreted as relieving Supplier from any of its obligations towards Wolfspeed and/or its responsibility to deliver Products or services in compliance with requirements.

Activities performed by Supplier or Wolfspeed (or a Wolfspeed-designated contract manufacturer, as applicable) and especially inspection, audit, validation, testing and/or approval made or granted by Wolfspeed, as well as Wolfspeed's decision not to enforce all or part of this SQM, shall not affect Supplier's responsibility concerning the quality and reliability of the Products and compliance with its contractual obligations.

## 4. General QMS Requirements

Supplier's QMS shall contain the following additional provisions as it relates to the materials, processes, services, and products provided to Wolfspeed (or a Wolfspeed-designated contract manufacturer, as applicable):



Supplier shall implement a zero-defects strategy (0 DPPM) and work to continuously improve Supplier's performance toward achieving the zero-defects goal (0 DPPM).

Supplier is to inform Wolfspeed prior to acceptance of any order if there are any documents, drawings, or specifications provided in writing by Wolfspeed or its contract manufacturer that are unclear or inapplicable to Supplier or if Supplier is unable to comply with any requirement therein.

All supplied products that will become part of a Wolfspeed product or deliverable shall comply with international environmental requirements, such as latest amendments for RoHS, REACH, IEC 62474 database Conflict Minerals, California Proposition 65. Supplier shall provide associated material content data, RoHS statements, REACH statements and test reports for materials and components that become a part of a Wolfspeed product or deliverable. Test reports shall be renewed on a yearly basis at a homogeneous material level. (see Supplier Regulatory Compliance Requirements for details, <https://www.wolfspeed.com/company/suppliers-contractors/supplier-resources/>).

Any other Wolfspeed or Wolfspeed customer agreed upon environmental compliance requirement shall be communicated in writing to Supplier in advance of order placement, and Supplier shall provide Wolfspeed with supporting documents evidencing such compliance upon request.

Supplier shall and shall cause any subcontractor or sub-supplier of Supplier to, provide any technical and/or testing reports as may be requested by Wolfspeed regarding Product quality, safety and reliability.

Supplier is expected to implement an outlier management (Maverick) program as appropriate to minimize shipment of out-of-family products. Product identified as coming from a Maverick Lot shall be considered non-conforming material and will not be shipped to Wolfspeed or its contract manufacturer unless a waiver is obtained from Wolfspeed.

## 5. Audits & Assessments

Supplier shall (and shall cause any subcontractor or sub-suppliers to Supplier to) allow access by Wolfspeed, their customer, and regulatory authorities to the applicable areas of facilities and to applicable documented information, at any level of the supply chain.

Audits will be conducted during normal business hours, and Supplier is expected to make a qualified employee(s) available for support during such visit.

Supplier shall support EMS, QMS, Process Readiness Audits, and Full Day Production Run Audits as requested by Wolfspeed. After an item has been qualified by Wolfspeed, Supplier shall support periodic Surveillance Audits. Audits will typically focus on the manufacturing process such as procedures, process control plan, PFMEA, calibration, MSA, SPC, process capability, control of non-conforming material, etc.) but may involve all elements of Supplier's quality system.

Supplier shall support short notice of For Cause Audits due to quality excursions or suspected non-conformance(s). This may include the auditing of Supplier's subcontractors or suppliers.

Supplier shall review the audit results in a timely manner as well as implement appropriate corrections and/or improvements required or recommended by Wolfspeed and to report the progress made to Wolfspeed in writing at regular intervals. The performance of audits by Wolfspeed will not relieve Supplier from its obligation to regularly



inspect and develop a quality management system at the production sites used during the manufacture or production of the Products.

## 6. Product Qualification

When Supplier is the design activity, Supplier shall plan and manage product and/or service in a structured and controlled manner including scheduled events performed in a planned sequence (phased approach) to meet requirements at acceptable risk, within resource and schedule constraints.

Design and development planning shall consider the ability to provide, verify, test and maintain products and services.

Supplier shall define the data required to allow the product to be identified, manufactured, verified, used, and maintained. Data can include:

- the drawings, part lists, and specifications necessary to define the configuration and the design features of the product;
- the material, process, manufacturing, assembly, handling, packaging, and preservation data;
- the technical data and repair schemes for operating and maintaining the product.

Supplier shall provide qualification samples, documentation, and performance data as requested by Wolfspeed (for example; control plan, process flow diagram, PFMEA, Cpk data, etc.). Wolfspeed's automotive customers request PPAP submissions for our products. Wolfspeed has adopted the PPAP definitions and methods as is described in the most recent AIAG Advanced Quality Planning and Control Reference Manual for the PSW, DFMEA, PFMEA, Dimensional Analysis and Process Control Plans. Wolfspeed will communicate to Supplier when a PPAP including a part submission warrant (PSW) is required.

Wolfspeed will review the submitted samples and/or product documentation for approval and may request additional tests or other requirements prior to Wolfspeed qualifying Supplier's sample Products.

Supplier's reliability qualification testing shall use samples produced within the proposed manufacturing site under production conditions.

Design and development changes where applicable, shall be controlled by Supplier.

## 7. Product/Process Change Notification

Supplier shall utilize a change management process to plan, qualify, and implement changes affecting materials, processes, services, and products delivered to Wolfspeed. Supplier shall notify Wolfspeed in the form of PCN documentation prior to the implementation of planned change(s) and immediately upon becoming aware of an unplanned change. Supplier shall issue the PCN at least 180 days in advance of the proposed first sample ship date, and preferably, prior to completion of Supplier's Qualification Plan. Supplier shall not ship changed Product without approval from Wolfspeed.

As part of the PCN process, Supplier shall provide Wolfspeed with PCN documentation that includes PCN information listed below and the proposed change Qualification Plan for review and approval. Wolfspeed may request amendments to the Qualification Plan.

For communicating Process Change Notifications (PCN) to Wolfspeed, Supplier is to send PCN information to: [supplierPCN@wolfspeed.com](mailto:supplierPCN@wolfspeed.com).



Supplier may not make changes to the design, specifications, processing, inspection/testing, storage, packaging, labeling, shipping, safety standards, or materials that affect the physical or functional properties or reliability of the Products or impact compliance to reportable chemicals or materials (RCMs), without prior approval from Wolfspeed.

The following criteria shall be used by Supplier to determine when to notify Wolfspeed of a change:

- Any change to the affected Product datasheet or design;
- A change in safety standards;
- A change in the manufacturing process;
- A change to
  - the chemical composition and/or
  - formulation of a raw material and/or
  - a supplier of a similar component (resistor, capacitor, etc.)
- Changes in die, including die shrinks (for supplies proving wafers or die);
- The transfer and qualification of Product(s) to a new manufacturing location and/or production line;
- The qualification of additional sub-supplier(s) after Wolfspeed's initial qualification of the affected Product;
- A change to the process sequence;
- A change in inspection / test criteria, method, or sampling;
- A change in equipment and/or tooling;
- A change to a printed label or package such as box labels, bag labels, package sizes, instruction sheets, and/or font changes; and,
- A change in the text and/or format of customer documentation accompanying the Product, such as the Certificates of Conformance.

The following information shall be included in the PCN document issued to Wolfspeed:

- Unique PCN number designation;
- Product identification (e.g., Wolfspeed part number(s), Supplier's part number(s), revision, affected Product lines including specific technology or Product family);
- Detailed description of change(s);
- Reason for change(s);
- Proposed First Ship Date;
- Anticipated (positive and negative) impact on form, fit, function, or reliability;
- Supplier's Qualification/Validation Plan(s) as a separate attachment;
- Projected date when qualification samples are available;
- Projected date when final qualification data is available;
- Last date of manufacture of the unchanged Product; and
- Name, address, telephone, email and fax number of Supplier's contact.



- Supplier will submit a Qualification Report to Wolfspeed for review and approval.

## 8. Complaint Management/ Non-Conformance Investigations

Wolfspeed will notify Supplier of any complaints that require an investigation and corrective action. Upon notification of a complaint, Supplier shall launch an investigation using the 8D problem solving methodology shown in table 1 including a 3 X 5 Why root cause analysis methodology.

*Table 1 8D Step Definitions*

Investigation Step	Definition
<b>D1</b>	Problem Definition
<b>D2</b>	Investigation Team
<b>D3</b>	Containment Action(s)
<b>D4a</b>	Failure Mode Analysis
<b>D4b</b>	Root Cause Analysis
<b>D5</b>	Corrective Action(s)
<b>D6</b>	Verification of Corrective Action(s)
<b>D7</b>	Preventive Action(s)
<b>D8</b>	Final Material Disposition

Wolfspeed will provide Supplier with a SCAR form to document the investigation and resolution of the complaint. Supplier may use Supplier's form provided the 8D elements above are included. Wolfspeed will provide samples to Supplier for cases where Failure Analysis is needed.

Supplier shall provide a list of potential affected items/lots/batches within twenty-four (24) Hrs., and a 3D Containment Report within two (2) business days from complaint notification.

Supplier shall provide an 8D Final Report within seven (7) business days from complaint notification or from sample receipt if Failure Analysis is required.

Wolfspeed will review the 8D report for adequacy and effectiveness.

Supplier shall define the responsibility and authority for the review and disposition of nonconforming outputs and the process for approving persons making these decisions.

Dispositions of use-as-is or repair for the acceptance of nonconforming products shall only be implemented:

- after approval by an authorized representative of the Supplier responsible for design or by persons having delegated authority from the design Supplier;
- after authorization by the customer, if the nonconformity results in a departure from the established requirements.

Product dispositioned for scrap shall be permanently marked and positively controlled until physically rendered unusable.

Supplier shall flow down corrective action requirements to an external provider when it is determined that the external provider is responsible for the nonconformity;



Supplier shall take specific actions when timely and effective corrective actions are not achieved and maintain documented information that defines the nonconformity and corrective action management processes (internal CAR).

## 9. Supplier Management

Supplier shall be responsible for the conformity of all externally provided materials, processes, services, and products including from sources defined by the customer. Supplier shall evaluate the raw material and components purchased from sub-suppliers to ensure they are free from defects.

Supplier shall ensure, when required, that customer-designated or approved external providers, including process sources (e.g., special processes), are used.

Supplier shall identify and manage the risks associated with the external provision of processes, products, and services, as well as the selection and use of external providers.

Changes to any sources (those directed by Wolfspeed or otherwise) of raw materials or components must be approved in writing by Wolfspeed.

Supplier's Purchasing team shall effectively manage its suppliers to ensure suitable performance against commercial and quality requirements. The Supplier's supplier management process shall cover the following provisions;

- Define the process, responsibilities, and authority for the approval status decision, changes of the approval status, and conditions for a controlled use of external providers depending on their approval status;

- Maintain a register of its external providers that includes approval status (e.g., approved, conditional, disapproved) and the scope of the approval (e.g., product type, process family);

- Select external providers based on their ability to meet quality and business requirements

- Periodically review external provider performance including process, product and service conformity, and on-time delivery performance;

- Define the necessary actions to take when dealing with external providers that do not meet requirements;

- Define the requirements for controlling documented information created by and/or retained by external providers.

Verification activities of externally provided processes, products, and services shall be performed by Supplier. These shall include inspection or periodic testing, as applicable, when there is high risk of nonconformities including counterfeit parts.

NOTE 1: Customer verification activities performed at any level of the supply chain does not absolve Supplier of its responsibility to provide acceptable processes, products, and services and to comply with all requirements.

NOTE 2: Verification activities can include:

- review of objective evidence of the conformity of the processes, products, and services from the external provider (e.g., accompanying documentation, certificate of conformity, test documentation, statistical documentation, process control documentation, results of production process verification and assessment of changes to the production process thereafter);
- inspection and audit at the external provider's premises;





- review of the required documentation;
- review of production part approval process data;
- inspection of products or verification of services upon receipt;
- review of delegations of product verification to the external provider.

If Supplier delegates verification activities to the external provider, the scope and requirements for delegation shall be defined and a register (list) of delegations shall be maintained. Supplier shall periodically monitor the external provider's delegated verification activities.

When external provider test reports are utilized to verify externally provided products, Supplier shall implement a process to evaluate the data in the test reports to confirm that the product meets requirements. When a customer or Supplier has identified raw material as a significant operational risk (e.g., critical items), the Supplier shall implement a process to validate the accuracy of test reports.

Supplier shall ensure the adequacy of requirements prior to their communication to the external provider. The Supplier shall communicate to external providers its requirements for:

- The processes, products, and services to be provided (e.g., specifications, drawings, process requirements, work instructions);
- the approval of; products and services; methods, processes, and equipment; the release of products and services;
- competence, including any required qualification of personnel
- the external providers' interactions with the Supplier;
- control and monitoring of the external providers' performance to be applied by the Supplier;
- verification or validation activities that the Supplier, or its customer, intends to perform at the external providers' premises as applicable;
- design and development control;
- special requirements, critical items, or key characteristics; test, inspection, and verification (including production process verification);
- the use of statistical techniques for product acceptance and related instructions for acceptance by the Supplier.

## 10. Production Process

### Planning

Supplier shall carry out process planning and procedures for all aspects of the manufacturing process (processes, inspection and testing, equipment, tools, and machines). Supplier shall ensure that all production and inspection/verification operations have been completed as planned, or as otherwise documented and authorized. Supplier shall develop and maintain process flow diagrams, process Failure Mode and Effects Analysis (FMEAs), and control plans to identify potential failure modes and control the production process. Where applicable, including when designated in the applicable Wolfspeed specification, special characteristics regarding safety and regulatory compliance shall be listed in the control plan. Statistical process control (SPC) shall be utilized to proactively control characteristics that impact performance and reliability. Process parameters shall be monitored to drive a reduction in process variation. Supplier shall take appropriate measures to prevent non-conforming material from shipping to



Wolfspeed where SPC is not available. For attribute data sampling, the acceptance level shall be zero defects using 0.01 Acceptable Quality Level (AQL).

Supplier shall ensure the control and monitoring of utilities and supplies (e.g., water, compressed air, electricity, chemical products) to the extent they affect conformity to product requirements.

Equipment, tools, and software programs used to automate, control, monitor, or measure production processes shall be validated prior to final release for production and shall be maintained.

Storage requirements shall be defined for production equipment or tooling in storage including any necessary periodic preservation or condition checks.

For processes where the resulting output cannot be verified by subsequent monitoring or measurement, Supplier shall establish arrangements for these processes including, as applicable:

- definition of criteria for the review and approval of the processes;
- determination of conditions to maintain the approval;
- approval of facilities and equipment;
- qualification of persons;
- use of specific methods and procedures for implementation and monitoring the processes;
- requirements for documented information to be retained.

Supplier shall use a representative item (FAI) from the first production run of a new part or assembly to verify that the production processes, production documentation, and tooling are able to produce parts and assemblies that meet requirements. This activity shall be repeated when changes occur that invalidate the original results (e.g., engineering changes, production process changes, tooling changes).

Supplier shall preserve the outputs during production and service provision, to the extent necessary to ensure conformity to requirements. Preservation of outputs shall also include, when applicable in accordance with specifications and applicable statutory and regulatory requirements, provisions for:

- cleaning;
- prevention, detection, and removal of foreign objects;
- special handling and storage for sensitive products;
- marking and labeling, including safety warnings and cautions;
- shelf life control and stock rotation;
- special handling and storage for hazardous materials.

Supplier will apply the principle of first-in, first-out (FIFO) to stock of raw materials and finished goods to minimize aging.

Product and service conformity and on-time delivery performance are to be measured by Supplier, and appropriate action is taken if planned results are not, or will not be, achieved.

## Monitoring



Supplier shall ensure the implementation of suitable monitoring and measurement activities at appropriate stages to verify that criteria for control of processes or outputs, and acceptance criteria for products and services, have been met;

Ensuring that documented information for monitoring and measurement activity for product acceptance includes:

- criteria for acceptance and rejection;
- where in the sequence verification operations are to be performed;
- measurement results to be retained (at a minimum an indication of acceptance or rejection);
- any specific monitoring and measurement equipment required, and instructions associated with their use.
- The validation, and periodic revalidation, of the ability to achieve planned results of the processes for production and service provision, where the resulting output cannot be verified by subsequent monitoring or measurement;

NOTE: These processes can be referred to as special processes.

Supplier shall have Process Capability Index (Cpk) targets 1.67 for special (critical) characteristics when identified in the Wolfspeed specification. Supplier shall have defined mitigation and improvement plans for characteristics not meeting this goal. Supplier must secure its deliveries by suitable test methods and use every effort to optimize the production process to achieve the required process capability. Supplier shall provide Wolfspeed reports on its manufacturing process capabilities in relation to the product requirements as requested. Verification of outgoing materials and products shall be provided, typically in the form of a Certificate of Analysis (CoA).

## Documentation

Supplier shall utilize a system which manages the revision control and deployment of process documentation, including specifications, procedures, work instructions, and forms. The system shall prevent the unintended use of obsolete documented information by removal or by application of suitable identification or controls if kept for any purpose. When documented information is managed electronically, data protection processes shall be defined (e.g., protection from loss, unauthorized changes, unintended alteration, corruption, physical damage).

## Training

Supplier shall maintain a system for identifying and monitoring the training and re-training of personnel who impact product conformity. Supplier shall ensure that persons doing work are aware of:

- the quality policy;
- relevant quality objectives;
- their contribution to the effectiveness of the quality management system, including the benefits of improved performance;
- the implications of not conforming with the quality management system requirements, relevant quality management system documented information and changes;
- their contribution to product or service conformity;
- their contribution to product safety;



- the importance of ethical behavior.

### Measurement Systems

Supplier shall develop and maintain a system which ensures the calibration of all equipment and tools identified in the control plan at a minimum. The system shall identify the calibration schedule, limits, and the standards to which the equipment is calibrated. The standards used in calibration shall be traceable to international standards (i.e. NIST) or mutually agreed upon calibration method. If external providers are used for calibration services, Supplier shall ensure the external provider is certified to ISO 17025. Supplier shall ensure the equipment/tools used in assessing product conformity are capable by conducting the appropriate measurement systems analysis (MSA).

### ESD (Electrostatic Discharge)

When applicable to the products or processes, Supplier shall take measures regarding electrostatic discharge control (ESD) to prevent damage to Products and sub-parts during production, handling, storage, and shipment. Items will be processed and packaged in accordance with one of the following electromagnetic discharge control standards for electrical and electronic parts: MIL-STD-1686 or ANSI/ESD S20.20.

## 11. Waiver Request

Supplier's QMS shall prevent the shipping of non-conforming Product to Wolfspeed.

Supplier may request a Waiver from Wolfspeed in the following situations:

- whenever Supplier wishes to ship designated non-conforming Product as acceptable to use;
- whenever Supplier wishes to request a temporary or permanent deviation to a requirement(s); or
- whenever Supplier requests that designated outlier (Maverick) lots be allowed to ship.

The following information shall be included in the Waiver Request document issued to Wolfspeed:

- Unique Waiver Request number designation;
- Product identification (e.g., Wolfspeed part number(s), Supplier's part number(s), affected Product lines including specific technology or Product family);
- Detailed description of the proposed Waiver(s);
- Reason for Waiver(s);
- Affected Lots list (when appropriate);
- Proposed first shipment date (when appropriate); and
- Statement of Waiver potential impact to customers or Product performance.

Supplier may only ship the waived material upon written approval by Wolfspeed.

## 12. Counterfeit Parts/Materials



Supplier shall maintain a system to adequately prevent the delivery of Counterfeit Goods to Wolfspeed. Supplier shall bear the responsibility for procuring authentic items from its suppliers and subcontractors and shall flow down the requirements of this section to its suppliers and subcontractors. Supplier will only purchase parts, components, or materials to be provided as or incorporated into products and services sold to Wolfspeed directly from the Original Component Manufacturer ("OCM")/Original Equipment Manufacturer ("OEM") or through an OCM/OEM authorized distribution chain.

"Counterfeit Goods" shall mean items, including any material, part, component, module, or assembly of such items, whose description, origin, material, source of manufacture, performance, and/or characteristics are misrepresented. This term includes but is not limited to (i) items that are an unauthorized copy or substitute of an Original Equipment Manufacturer or Original Component Manufacturer (collectively, OEM/OCM); (ii) items that are not traceable to an OEM/OCM to ensure sufficient authenticity; (iii) items that are not constructed in accordance with the OEM/OCM design; (iv) items which have been (re)marked to disguise them or falsely represent the identity of the manufacturer; (v) previously used parts pulled or reclaimed and provided as "new"; and (vi) items that have not passed successful OEM/OCM required testing, verification, screening, and quality control processes.

Counterfeit, or suspect counterfeit, parts shall be controlled to prevent reentry into the supply chain. Conformity to the requirements shall be verified when nonconforming outputs are corrected.

### 13. Business Continuity, Contingency Plan

Supplier shall develop a contingency plan for potential catastrophes disrupting Product flow to Wolfspeed and its contract manufacturers, if any, and advise Wolfspeed at the earliest in the event of an actual disaster. In an actual catastrophe, Supplier shall provide Wolfspeed access to Supplier's tools and/or their replacements. The contingency plan shall address at a minimum the following items:

- identification and evaluation of internal and external risks to all manufacturing processes and infrastructure equipment essential to maintain production output and to ensure that Wolfspeed's requirements are met;
- any unique risks and/or impacts to Wolfspeed;
- contingency plans for continuity of supply in the event of any of the following: key equipment failures, interruption from externally provided products, processes, and/or services; possible natural disasters; fire; utility interruptions; labor shortages; or infrastructure disruptions;
- a notification process to Wolfspeed and other interested parties to the extent and for the duration of any situation impacting customer operations;
- periodically testing of the contingency plans for effectiveness (e.g., simulations as appropriate);
- conducting contingency plan reviews (at a minimum annually) using a multidisciplinary team including top management, and update as required; and
- documenting the contingency plans and retaining documented information describing any revision, including the person(s) who authorized the change(s).

In addition, the contingency plan shall include provisions to validate that the manufactured Product continues to meet Wolfspeed specifications after the re-start of production following an emergency in which production was stopped if the regular shutdown processes were not followed.



## 14. Record Retention

Supplier shall retain and make available to Wolfspeed promptly upon request documentation of production data such as copies of certifications, test data, chemical and/or physical test reports, lot control data, inspection records and other pertinent data requirements for a minimum period of fifteen (15) years after shipment of the Products or other deliverable to Wolfspeed and its contract manufacturers, if any.

## 15. Identification and Traceability

Supplier shall maintain a system for the traceability and identification of its delivered items/batches that enables Supplier to quickly identify and indicate other delivered items/batches potentially affected by the defect. Supplier is required to maintain the ability to trace any product/component back to the origin batches of raw material used.

Supplier shall use suitable means to identify outputs when it is necessary to ensure the conformity of products and services.

Supplier shall maintain the identification of the configuration of the products and services in order to identify any differences between the actual configuration and the required configuration.

Supplier shall identify the status of outputs with respect to monitoring and measurement requirements throughout production and service provision.

When acceptance authority media are used (e.g., stamps, electronic signatures, passwords), Supplier shall establish controls for the media.

Supplier shall control the unique identification of the outputs and shall retain the documented information necessary to enable traceability.

NOTE: Traceability requirements can include:

- the identification to be maintained throughout the product life;
- for an assembly, the ability to trace its components to the assembly and then to the next higher assembly;
- for a product, a sequential record of its production (manufacture, assembly, inspection/verification) to be retrievable.

Supplier shall inform Wolfspeed about Supplier's identification system or Supplier's other traceability measures in such a manner that Wolfspeed may carry out its own evaluations to the extent necessary.

## 16. Continuous Improvement

Supplier shall continually improve the suitability, adequacy, and effectiveness of the quality management system.

Supplier shall consider the results of analysis and evaluation, and the outputs from management review, to determine if there are needs or opportunities that shall be addressed as part of continual improvement.

Supplier shall monitor the implementation of improvement activities and evaluate the effectiveness of the results.

NOTE: Examples of continual improvement opportunities can include lessons learned, problem resolutions, and the benchmarking of best practices.

## 17. Environment, Safety, Ethics



Supplier shall maintain labor, health and safety, environment, management, and ethics systems that comply with legal regulations regarding environmental protection and occupational health and safety and shall generally comply with the principles in the Responsible Business Alliance (RBA). Upon request, Supplier shall be able to demonstrate compliance by having their systems audited and certified by an independent auditor.

Compliance to ISO 14001:2015 is suitable evidence that their environmental system meets Wolfspeed's environmental management system requirements.

Within fifteen (15) business days after receipt from its independent auditor of a new or renewal certificate, Contract Manufacturer will submit a copy of any annual certification evidencing compliance with industry EMS standards to Wolfspeed's EH&S department at [Wolfspeed\\_Sustainability@Wolfspeed.com](mailto:Wolfspeed_Sustainability@Wolfspeed.com).

Additional Requirements that must be followed by Supplier are available at;  
<https://www.wolfspeed.com/company/suppliers-contractors/supplier-resources/>

include:

- Conflict Minerals Policy
- California Proposition 65
- Supplier Code of Conduct

## 18. Revision History

Revision	Description	Date
1	Origination	13-OCT-2022
2	Section 4, paragraph 3: added reference to content and test reports, supplier regulatory requirements link. Section 5, paragraph 1: Revised requirement for access to supplier's facilities.	17-NOV--2022
3	Section 4: added text for "data, RoHS statements, REACH statements", "Test reports shall be renewed on a yearly basis at a homogeneous material level", Section 7: added email address "supplierPCN2wolfspeed.com", changed from 90 days to 180 days. Added "a supplier of a similar component (resistor, capacitor, etc.)". Section 10, Monitoring: clarified Cpk requirements.	25-FEB-2024