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Document Body:

I. OVERVIEW AND ORGANIZATION

A. Scope

KEMET's Scope and Context

KEMET Electronics Corporation (KEMET) is a leading global supplier of passive electronic components. KEMET applies world class service and quality to deliver industry leading, high performance capacitance solutions to its customers around the world and offers the world's most complete line of surface mount and through-hole capacitor technologies across tantalum, ceramic, film, aluminum, electrolytic, and paper dielectrics.

The information in this quality manual applies to KEMET Electronics Corporation's Ceramic Business Group (CBG), Tantalum Business Group (TBG), and Film & Electrolytic Business Group (FEBG) including manufacturing plants located in Asia, Europe, and North America and to related support functions at KEMET's Headquarters in Simpsonville, South Carolina, USA.

The quality management system described in this manual aligns with the requirements of ISO 9001, IATF 16949, and AS9100 international standards. All manufacturing plants are required to meet ISO 9001 requirements. Plants not registered to IATF 16949 or AS9100 may not meet all of the requirements stated in this Quality Manual.

Internal and External Issues

Internal Issues	External Issues
Technology (Research and Development, New Product Development)	Customer Needs
	Competitor Analysis
Raw Material Needs	Global Supply Chain
Employee Needs	Government Compliance (DHEC, EPA, OSHA, etc.)
Training	
Safe Work Environment	
Employee Empowerment	

Infrastructure (Equipment, Facilities, Computers, Software)	
Revise internal systems to meet revised standards	Revised ISO 9001, ISO 14001, IATF 16949, AS9100 Standards
Revenue and Profitability	Global Economy
Internal Communication	External Communication (Media and Marketing)

Interested Parties

Interested Party	Need	Expectation
Customers	Electronic Components	Product Quality, On Time Delivery, Fair Prices, Conformity to Standards (ISO, IATF, etc.)
Shareholders	Profit	Sustained Profits, Transparency
Employees and Temporary Workers	Employment, Training, Necessary Tools	Safe Work Environment, Ethical Behavior, Recognition
Suppliers	Payment, New Contracts, Necessary Specifications	Mutual Benefits, Fair Price of Supplied Products, Guidelines, Ethics
Community	Protection of the Environment, Good Neighbor	Statutory and Regulatory Compliance, Ethical Behavior
Competitors	Fair Practices	Ethical, Fair Trade

B. Quality Policy and Objectives and Facilities, Environmental, Health & Sa...

KEMET's approach to Total Quality Management is a systematic process of continuous quality improvement, based on the following guiding principles:

- Mission
- Vision
- Values
- Quality Policy and Objectives
- Facilities, Environmental, Health & Safety (FEHS) Policy

These guiding principles are fully documented in Corporate Quality Document 000 ().

KEMET's **Quality Policy** is:

> **KEMET exceeds customer expectations**
> **through operational excellence and continuous improvement .**

KEMET's commitment to these guiding principles, and in particular to Quality Policy is manifested through the **Quality Objectives**:

- Zero Defects
- 100% On-time Delivery
- Technology Leader
- Lowest Total Cost of Ownership
- Six Sigma Process Capability
- World-class Cycle Time Efficiencies

KEMET's **Facilities, Environmental, Health & Safety Policy** is:

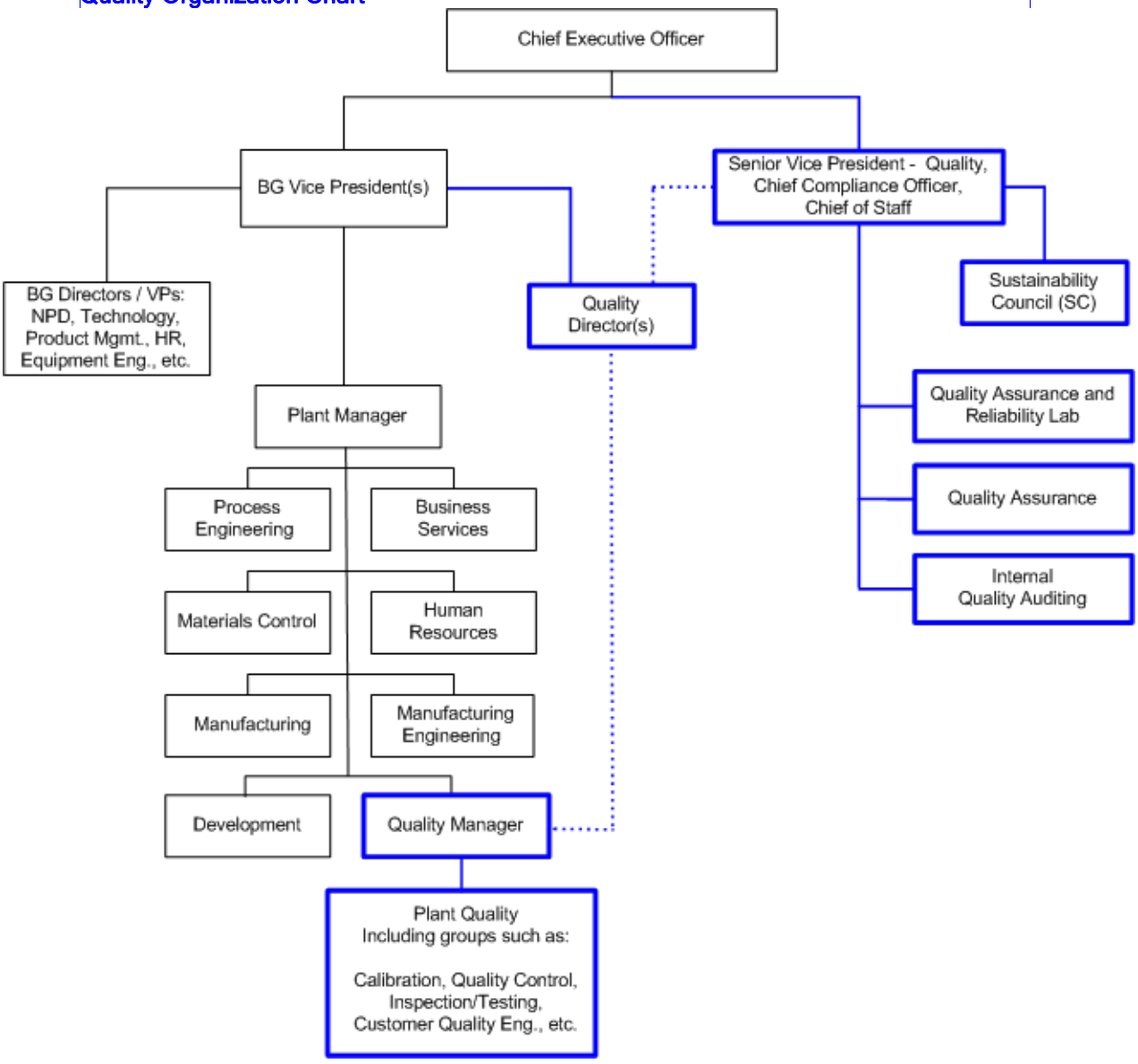
KEMET conducts its business in a manner designed to protect the health and safety of our employees , our customers, the public, and the environment.

- KEMET is committed to the protection of the environment, including prevention of pollution, adverse health effects, occupational hazards and other specific commitment(s) relevant to the context of the organization.
- KEMET is committed to the protection of people and the environment in a sustainable manner to prevent climate change and maintain biodiversity and ecosystems.
- KEMET will meet or exceed its compliance obligations as well as any other requirement that may be deemed necessary for the protection of humans and the environment.
- KEMET is committed to continual improvement of the environmental management system to enhance environmental performance.
- KEMET is committed to design and operate its facilities in such a manner as to eliminate recognized risk to human health, safety, and the environment.

KEMET is committed to compliance with government environmental requirements, conducting its operations in a manner that minimizes environmental impact, participating in the development of regulatory requirements, controlling and preventing pollution, and continuous improvement of environmental performance. Programs are in place throughout KEMET to support these commitments.

C. Organization

Quality Organization Chart



Quality Organization

The overall purpose of the KEMET Quality Organization is to ensure that the quality systems are effective, and the manufacturing and business processes result in customer satisfaction. Specific roles and responsibilities of the resources within the Quality Organization are described below.

Management Representative

The Senior Vice President - Quality, Chief Compliance Officer, Chief of Staff, Head of Integration (SVP - Quality and CCO) was appointed by the Chief Executive Officer (CEO) as the Quality System Management Representative and has the responsibility and authority that includes:

- ensuring that the quality management system conforms to the requirements of ISO 9001, IATF 16949, and AS9100
- ensuring that the processes are delivering their intended outputs
- reporting on the performance of the quality management system and on opportunities for improvement, in particular to top management
- ensuring the promotion of customer focus throughout the organization
- ensuring that the integrity of the quality management system is maintained when changes to the quality management system are planned and implemented
- the organizational freedom and unrestricted access to top management to resolve quality management issues

The SVP - Quality and CCO (Management Representative) assigns certain tasks related to the ISO/IATF/AS Program to the ISO/IATF/AS Coordinator. The specific responsibilities include understanding the ISO/IATF/AS requirements making sure that they are included as part of the overall KEMET quality system, serving as liaison with KEMET's ISO/IATF/AS registrars. To ensure that these responsibilities are covered for the FEBG, the FEBG Quality Directors interface with the ISO/IATF/AS Coordinator.

The Corporate ISO/IATF/AS Coordinator/FEBG Quality Directors will notify the registrar(s) of any changes relating to legal, commercial, organization status or ownership and in the event of formal disciplinary action taken by an automotive customer as defined in that customer's requirements. In addition, should a registrar withdraw KEMET's certificate, the Corporate ISO/IATF/AS Coordinator/FEBG Quality Director will ensure those customers requiring certification are notified in writing.

Military Liaison

The Military Liaison serves as KEMET’s point of contact with the US government on issues concerning the manufacture of Military capacitors. This function coordinates all KEMET correspondence with the Defense Logistics Agency (DLA) related to changes in Military specifications and drawings, new KEMET qualifications, and the maintenance of current KEMET qualifications via the Military Maintenance sampling program. The Military Liaison also represents KEMET at various Military meetings (such as Specification coordination and G11 meetings), notifies DLA of any GIDEP alerts/problem advisories, and ensures that any Distributors handling KEMET Military parts meet all applicable requirements.

Customer Representative

Corporate Quality documents describe the key Business Processes utilized by KEMET to ensure customer satisfaction and financial success of the company. Business Process Owners are identified for each key process. While the customer focused, global Sales organization typically interacts directly with customers, KEMET's Chief Executive Officer (CEO) designated the Business Process Owners with responsibility and authority to ensure that customer requirements are addressed. This includes but is not limited to the selection of special characteristics, setting quality objectives and related training, corrective and preventive actions, product design and development, capacity analysis, logistics information, customer scorecards, and customer portals.

Quality Policy Committee

The Quality Policy Committee (QPC) focuses on managing the overall KEMET Quality System ensuring that customer expectations are met. QPC members meet periodically to address various quality topics, assign projects to improve quality systems and documentation, and plan deployment of changes to existing systems. Committee membership includes the SVP - Quality and CCO and representatives from KEMET Corporate Quality, CBG Quality, TBG Quality, and FEBG Quality.

Corporate Quality

Under the direction of the SVP - Quality and CCO, the Corporate Quality organization supports the CBG, TBG, and FEBG with the following areas of responsibility:

Customer Specifications Engineering (CSE) examines customer drawings, specifications and related information and consults with other KEMET groups to determine the feasibility, practicality, advisability and costs of manufacturing the product to customer specifications. When appropriate, they also identify production alternatives. CSE also coordinates PPAP (Production Part Approval Process) submissions for customers.

The **Quality Assurance (QA)** group is responsible for quality support activities for all of KEMET, including Corporate Quality System development, documentation, and interpretation.

QA also manages the **KEMET Internal Quality Audit Program .** and conducts Internal Quality Audits. at Headquarters and SC BG locations. The FEBG's Internal Quality Audit Function is managed by the FEBG Quality Director.

Under the direction of Corporate quality management, the **Quality Assurance and Reliability Laboratories** offer product reliability testing, including environmental testing. Responsible personnel review test results and forward the data to requesting organizations for use in product improvement and development projects. Product evaluation and testing for military and industry requirements are performed according to established standards and test protocols.

An **additional link to the CBG, TBG, and FEBG** exists in the form of a dotted-line reporting relationship of the plant-level Quality Managers and the Quality Directors to the SVP - Quality and CCO .

Manufacturing Plant Quality

Each KEMET manufacturing facility has a quality function which monitors the quality of products and processes; performs corrective actions; and provides quality engineering services. As defined by plant documents, Manufacturing Plant Quality's responsibilities include implementation, improvement, and verification of quality system activities such as:

- Raw Material Receipt and Verification (where applicable)
- Process Control and Improvement
- In Process-Verification and Final Inspections
- Calibration
- Measurement Systems Analysis
- Customer Communication
- Change Control
- Document Control

Sustainability Council

Lead by the Senior Vice President of Quality and Chief Compliance Officer, the Sustainability Council (SC) provides direction and focus in support of the KEMET EHS Policy, the KEMET Global Code of Conduct (http://ir.kemet.com/profiles/investor/Governance.asp?BzID=2072&ID=1054#1054) and KEMET's commitment to the Electronic Industry Citizenship Coalition (EICC) Code of Conduct (QOD-003). The SC has oversight responsibility to ensure internal awareness of, and compliance to current, applicable, environmental legislation, regulations, and requirements and the development, maintenance, and continuous improvement of the KEMET Environmental Management System (EMS). Link to SC organization on the KEMET web site: http://www.kemet.com/Lists/FileStore/KEMET%20Product%20Eco-Compliance%20Leadership.pdf.

D. Quality Focus

KEMET strives to continuously improve quality systems, product quality, delivery, value to customers, internal systems, equipment design and performance, process development, and most importantly, the training and support of employees. KEMET strives to reduce cycle time, eliminate waste, and increase productivity. Every individual, every team, every department, and every facility plays a vital role in making a contribution towards meeting requirements of both internal and external customers.

II. KEMET QUALITY SYSTEM

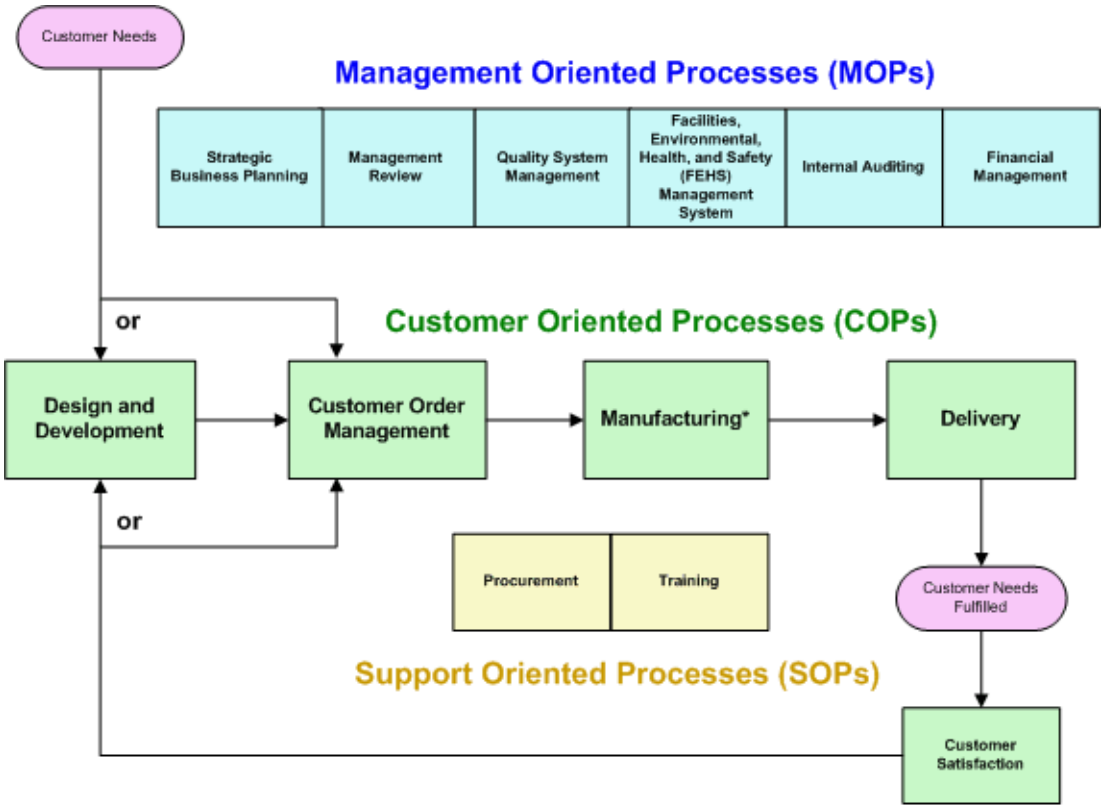
A. Quality System and Management Leadership

KEMET's Quality System incorporates the requirements of the ISO 9001, IATF 16949, AS9100, and IS0 14001 standards and integrates customer and military needs, as required. The process for Automotive Customer Specific Requirements is described in Corporate and plant-level quality documents. In addition, the AIAG reference manuals: Advanced Product Quality Planning (APQP), Potential Failure Mode and Effects Analysis (FMEA), Measurement Systems Analysis (MSA), Production Part Approval Process PPAP), and Statistical Process Control (SPC) are used as guidelines for system development.

KEMET utilizes the following business processes to ensure customer satisfaction and financial success of the company:

- Strategic Business Planning
- Management Review
- Quality System Management
- Facilities, Environmental, Health and Safety (FEHS) Management System
- Internal Auditing
- Financial Management
- Design and Development
- Customer Order Management
- Manufacturing
- Delivery
- Procurement
- Training
- Customer Satisfaction

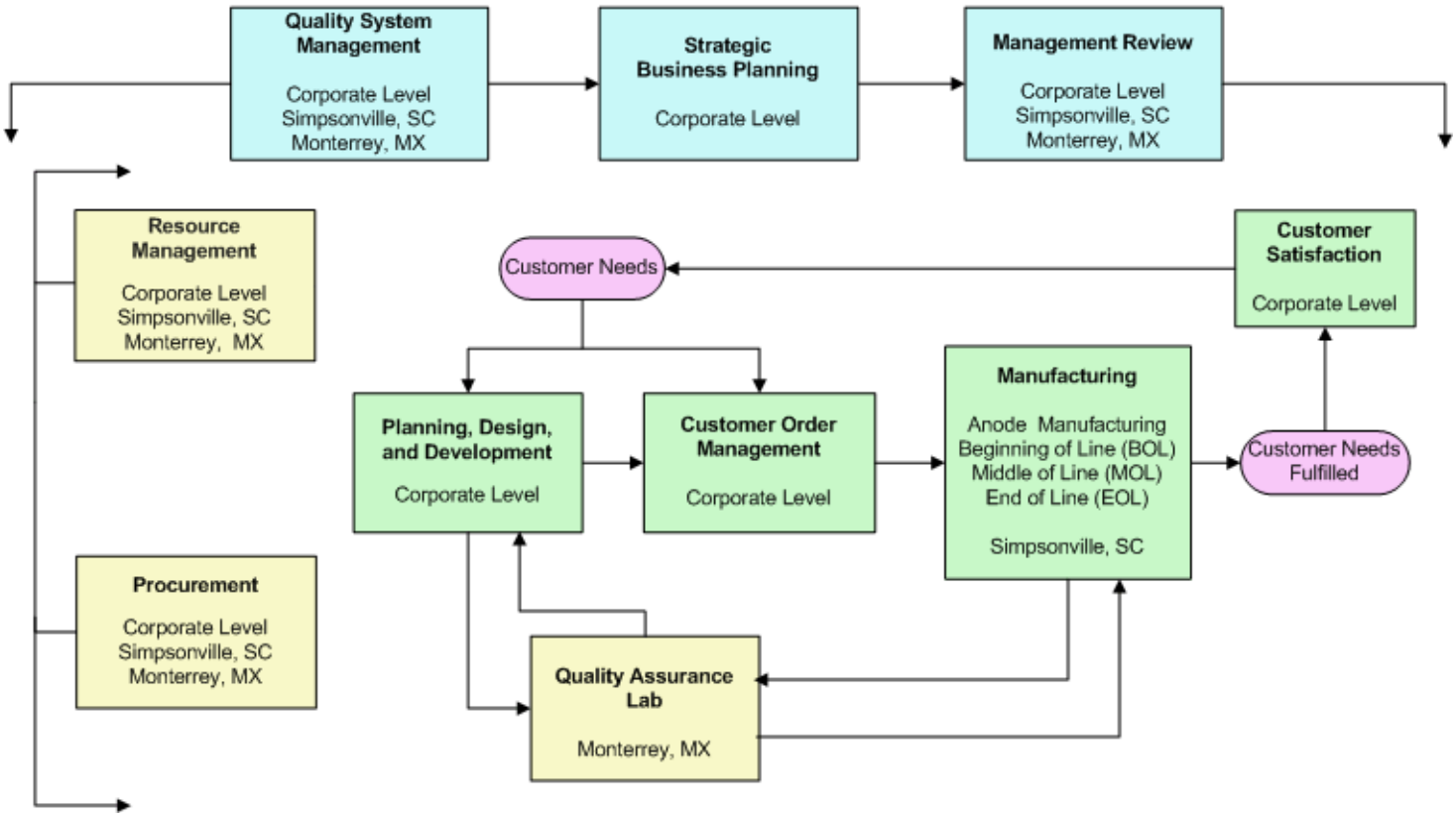
The diagram below depicts the interaction of these KEMET Business Processes. These Business Processes are described in Corporate Quality Document "002 Business Processes." For each business process, flowcharts and turtle diagrams further define the process flow, performance indicators, key related processes, and other essential information for each individual process.



* Manufacturing Customer Oriented Processes (COPS) are defined in plant-level documentation.

For those KEMET locations that are registered to AS9100 (Aerospace Standard), the following diagram outlines the interaction of KEMET processes and the associated AS9100 clauses.

KEMET Interaction of Processes and Associated AS9100 Clauses



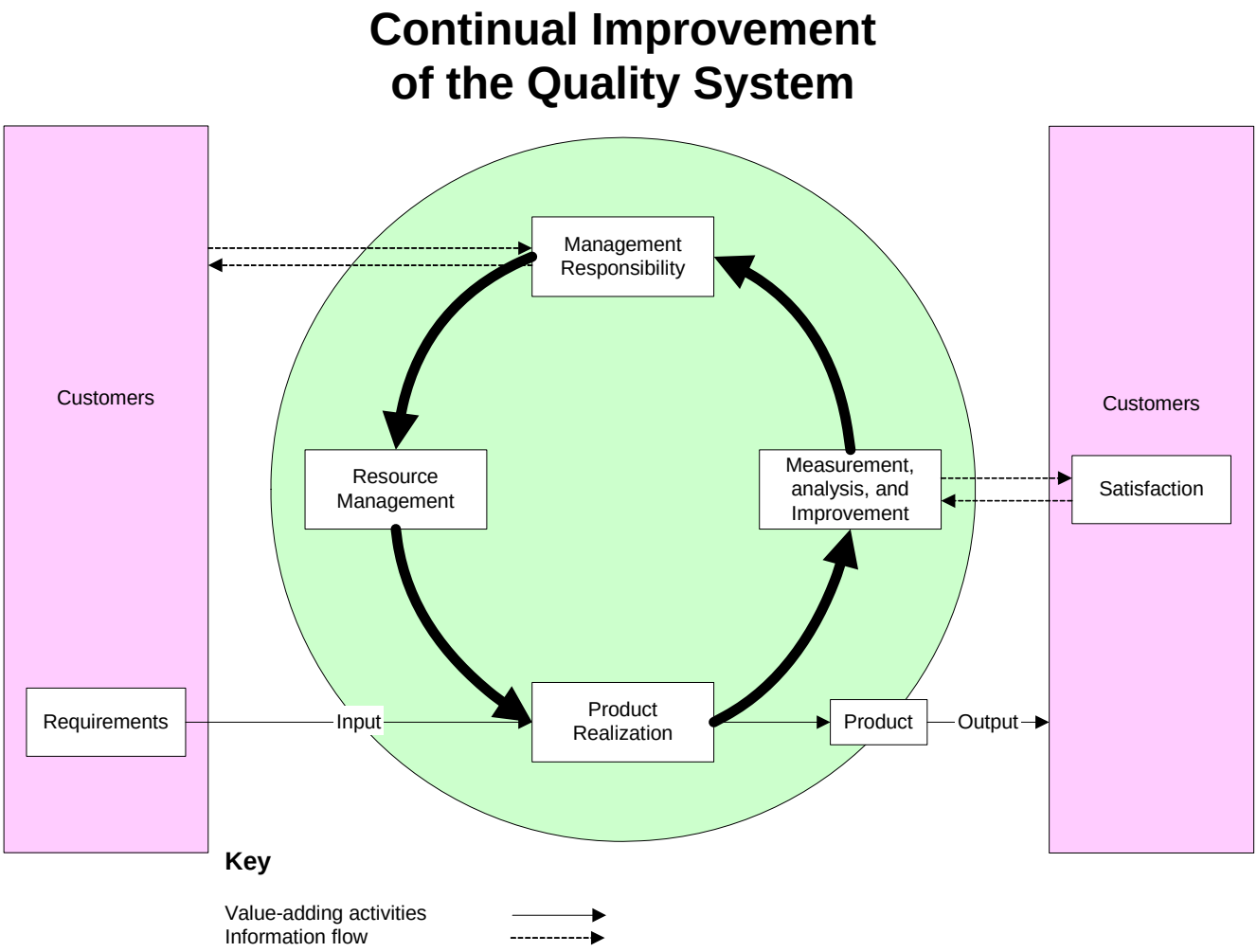
KEMET Processes and Associated AS 9100D Clauses

Management Oriented Process	
Quality System Management	4,7.7,7.5.1, 7.5.2, 7.5.3,.2
Strategic Business Planning	5
Management Review	6.1, 6.2, 7.4, 9.1, 9.1.1, 9.1.2, 9.1.3, 9.2, 9.3.1

Customer Oriented Processes	
Planning, Design and Development	7.1.6, 8.2, 8.2.1, 8.2.2, 8.3, 8.3.1 through 8.3.6
Customer Order Management	8.2.1, 8.2.3, 8.2.4
Manufacturing	6.1, 6.2, 6.3, 7.1, 7.1.1 through 7.1.6, 7.3 through 7.5, 7.5.1 through 7.5.3, 8.1, 8.1.1 through 8.1.4, 8.2.1, 8.5, 8.5., 8.5.2, 8.5.4, 8.5.6, 8.6, 8.7, 9.1, 9.1.1 through 9.1.3, 9.2, 9.3.2, 9.3.3,10
Customer Satisfaction	8.2.1, 9.1.2

Support Oriented Processes	
QA Laboratory	7.1.5, 9.1
Procurement	8.4, 8.4.1 through 8.4.3
Resource Management	7.1, 7.1.2, 7.1.5, 7.2

KEMET's process based Quality System enables these processes to work together to meet and exceed customers' expectations. Continuous improvement of products and processes is integral to the Quality System as illustrated in the following diagram:



This system is maintained, documented, and evaluated on a regular basis to ensure the products and processes conform to requirements and are continuously improved.

Strategic Business Planning

The primary responsibility of KEMET senior management is strategic planning for KEMET as an overall business and to give guidance as to the expectations for each business group as to how they are expected to contribute towards meeting KEMET's overall business objectives.

The Strategic Business Planning process includes the following:

- the KEMET Strategic Plan (KSP) defining long-term business strategies
- the Annual Business Budget (ABB) defining short-term goals and annual business objectives

Management Review

Management Review at KEMET is accomplished through:

- Leadership Team (LT) Meetings
- Quarterly Review Meetings (QRMs)
- Plant / Product Line and Business Group Management Reviews

This multilevel process ensures that all aspects of the quality system are evaluated on a regular basis for performance to goal, status of improvement actions, and to identify additional actions to address opportunity or reduce risk.

Quality System Review

When a nonconformance, a potential problem, or an opportunity for improvement relating to the KEMET's Quality Management System is identified, it is reported to departmental management for validation, correction, or improvement. As appropriate, issues are escalated to Corporate Quality Assurance and/or the Quality Policy Committee (QPC).

Quality System effectiveness is evaluated on an ongoing basis by the QPC. This group, under the direction of the SVP - Quality and CCO, reviews all elements of the quality system and recommends improvements to ensure the system's ongoing suitability and effectiveness. As needed, the SVP - Quality and CCO escalates issues from the QPC and Internal Audit Program to senior management at the Quality QRM.

B. Design and Change Control

KEMET has defined design and change control processes to ensure that KEMET's business needs and the voice of the customer are met. Training is provided to maintain and enhance the skills of personnel involved in these activities. The design and change control processes are executed and documented.

The design and change control processes defined by KEMET meet the requirements for configuration management to the extent applicable to the products manufactured by KEMET (Reference ISO 10007, Second Edition dated June 15, 2003 - Guidelines for Configuration).

Design Control

The KEMET Advanced Quality Planning System (KAQPS) is a disciplined methodology, based on the AIAG Advanced Product Quality Planning (APQP) and Control Plan reference manual for design, development, and implementation of new products and processes. A cross-functional team is used from initial needs analysis through full-scale manufacturing validation. Additionally, customers are involved closely in process, product, and prototype

(i.e., samples of capacitors) development, where appropriate, to ensure the customer requirements are understood and are being met. The KAQPS process includes environmental and material evaluations to anticipate risks and verify that proposed solutions are beneficial to the process, employees, and customers. Design project information is available to personnel involved in similar design projects throughout KEMET.

Each Development project has phases which require specific deliverables. Project roles and responsibilities, meetings and phase reviews, and required phases and deliverables are described in Corporate QOD-601 and plant-level documents.

The KAQPS process is consistent with the requirements of the other processes in the KEMET Quality System. During development projects, the following are determined:

- quality objectives and requirements for the product
- processes, documents, and resources specific to the product
- required verification, validation, monitoring, inspection and test activities specific to the product/process and the criteria for product acceptance
- records needed to provide evidence that the realization processes and resulting product meet requirements

To ensure that targeted product and process characteristics are met and customer risks minimized, design verifications and management reviews are held for each phase. A project is closed when its solution has been successfully integrated into the KEMET manufacturing environment.

KEMET ensures the confidentiality of customer contracted products under development and related product information.

Change Control

The KEMET change control process is used to modify an existing technology (product, process, material, or equipment) in KEMET's production environment. This disciplined methodology is followed to ensure the impact of a proposed change on the quality, reliability, characteristics, and end use of KEMET product is assessed and understood prior to implementing the change into production. Risk Levels are defined to ensure the product quality is not adversely affected; an acceptable process capability is maintained or improved; cost reduction is implemented as feasible; and to minimize or eliminate any possible impact to internal (downstream and/or upstream) and external customers.

The scope of change control projects includes:

- Product modification (including semi-finished product)
- Process modification
- Product validation
- Introduction and approval of new manufacturing equipment
- Change in existing raw material or introduction of new raw material
- Change in existing equipment

As part of the change control process, all prospective design changes are identified, documented, reviewed and approved by a change control team. Automotive customers are notified of changes as required by the PPAP manual or customer-specific requirements. Other customers may receive change notifications, by request.

KEMET Production Part Approval Process (PPAP)

KEMET's Production Part Approval Process (PPAP) verifies to automotive customers and other customers by request that all design and specification requirements are properly understood and applied to the production process, and that the process has the potential to produce product that meets those requirements.

The process is designed specifically to meet the requirements of IATF 16949 and the AIAG Production Part Approval Process reference manual.

Product Safety

It is understood that KEMET products may be used in a wide variety of products or systems and it is important for each of our employees to handle all products carefully so no customer or end user is ever at risk to their health or safety.

In general, KEMET does not manufacture product safety related products. When applicable, product safety related aspects are addressed as a part of KEMET's Design and Development methodology and Change Control processes.

C. Process Control and Improvement

The KEMET Process Control and Improvement System is used for control and continuous improvement of manufacturing processes. This system aims to reduce common-cause variation, achieve and maintain process improvements, and encourage process optimization. The methodology is based on the AIAG Statistical Process Control and Failure Mode and Effects Analysis reference manuals.

Production Scheduling

KEMET's manufacturing scheduling systems, coordinated by Business Group Materials Control/Production Control and Plant Management, are both customer and capacity driven. Based on immediate customer needs and forecast demands, production is scheduled in such a manner as to ensure the most efficient cycle time so that customer shipment needs are met. Real-time information regarding production and shipment status is available. Internal Sales and Service (ISS) maintains Advanced Shipment Notification system capability, as well as the computerized system for receipt of customer planning information and ship schedules.

Process Control

KEMET's manufacturing system emphasizes error prevention, and ensures control and continuous improvement of critical finished product and process characteristics. Each production process is documented in control plans and flowcharts. Methods, workmanship standards, and setup instructions are documented and are accessible to all appropriate personnel. Process capability studies and statistical methods are used to establish and monitor the performance of each critical process, as defined on the control plan. Suitable equipment, tooling, and production environment are identified during the design and change control processes. Cleanliness requirements are identified. Preventive and predictive maintenance and production tooling management activities are identified, scheduled, and executed to ensure optimized equipment and tooling availability. Additionally, KEMET maintains compliance with all applicable government safety and environmental regulations.

A manufacturing process is initially brought into control during its design and development, where special causes of variation are eliminated. Once the process is fully functioning in manufacturing, personnel analyze inherent sources of variation through process potential and

capability studies, and then pinpoint and eliminate root causes of variation. PPM and Cpk data is also gathered to measure and monitor the rate and amount of improvement.

To maintain ongoing process control, manufacturing personnel control critical process outputs using techniques appropriate for the process including analysis of Statistical Process Control data, inspection and test results, predictive maintenance techniques, and calibration system data.

Product Identification, Traceability, and Status

Throughout all phases of the manufacturing process, material identification and inspection status are clearly identified. In addition, product traceability is maintained through manufacturing records, which are generated and tracked on-line as product moves through the manufacturing process to shipment.

Handling, Storage, Packaging, Preservation, and Delivery

KEMET has developed systems for handling, storage, packaging, preservation, and delivery of product. Products are handled in such a manner as to prevent damage or deterioration, and are stored in designated areas which ensure that product integrity is preserved. First-in, first-out procedures for inventory management and stock rotation are utilized. Product is packaged to ensure integrity and ease of use, in compliance with all customer packaging and labeling requirements. Delivery reliability is monitored. Shipping instructions include customer requirements for delivery including transportation mode, routings, and containers. Delivery performance is tracked as part of Management Review. When on-time delivery goals are not achieved, corrective actions are implemented as appropriate.

Continuous Improvement

All organizations within KEMET are expected to pursue continuous improvement activities in the areas of quality, productivity, and cost. Plants identify processes for improvement based on process data and customer feedback. Problem-solving methods are applied to projects that require a cross-functional approach to determine root cause and long-range solutions. Mistake-proofing activities are integrated as part of continuous improvement, wherever possible.

D. Inspection and Measurement Activities

Inspection and Testing

To ensure product quality through every phase of the manufacturing process, KEMET maintains an inspection and testing program for incoming raw materials, in-process products, and finished products prior to shipping. Inspection and testing requirements are documented in raw material specifications, work instructions, and on the control plan for each product line. Acceptance criteria for products using attribute data sampling are zero-defects. Inspection status and, where applicable, material shelf-life requirements are identified. Completion of all required process steps, inspections, and tests is documented on the manufacturing records accompanying the product through the manufacturing process.

Calibration

To ensure the accuracy of inspections and tests being performed, inspection, measuring, and test equipment (IMTE) used for process control or product acceptance testing is maintained through KEMET's calibration system. Each manufacturing plant's calibration system includes all applicable requirements for recall, labeling, environmental conditions, equipment history, record keeping, standard and calibration source selection, and handling of nonconformances. KEMET's calibration systems conform to the requirements of ISO 10012. All standards are

traceable to international or national measurement standards.

Measurement Systems Analysis (MSA)

Measurement Systems Analysis (MSA) studies are performed on each type of inspection, measuring, or test equipment listed on the control plans to analyze the variation present. The AIAG Measurement Systems Analysis manual is used for reference.

Nonconforming Product Control

When incoming, in-process, or finished product is identified as either nonconforming or suspect, the product and/or product container are identified and, where possible, physically segregated to ensure they are not inadvertently used or shipped. Nonconforming product is dispositioned by the proper authorities, and action taken to reduce and/or prevent recurrence prior to its being used.

Corrective and Preventive Action

KEMET has defined internal corrective action procedures at the plant level as part of the system for verification of product conformance, and responds promptly to external customer requests for corrective action. As appropriate, managers with responsibility and authority for corrective action are promptly informed of products or processes that do not conform to requirements.

Problem-solving methods or other customer-prescribed approaches are used to determine the root cause and corrective/preventive measures for nonconformances. Mistake-proofing methods are used to support prevention, as appropriate.

E. Quality Assurance and Reliability

The Quality Assurance and Reliability Laboratories offer product reliability testing, including environmental testing. Responsible personnel review test results and forward the data to requesting organizations for use in product improvement and development projects. Product evaluation and testing for military and industry requirements are performed according to established standards and test protocols.

Laboratory Quality Systems

Laboratories which verify product conformance maintain laboratory process control systems to ensure the quality and validity of the tests being performed. This system includes the following:

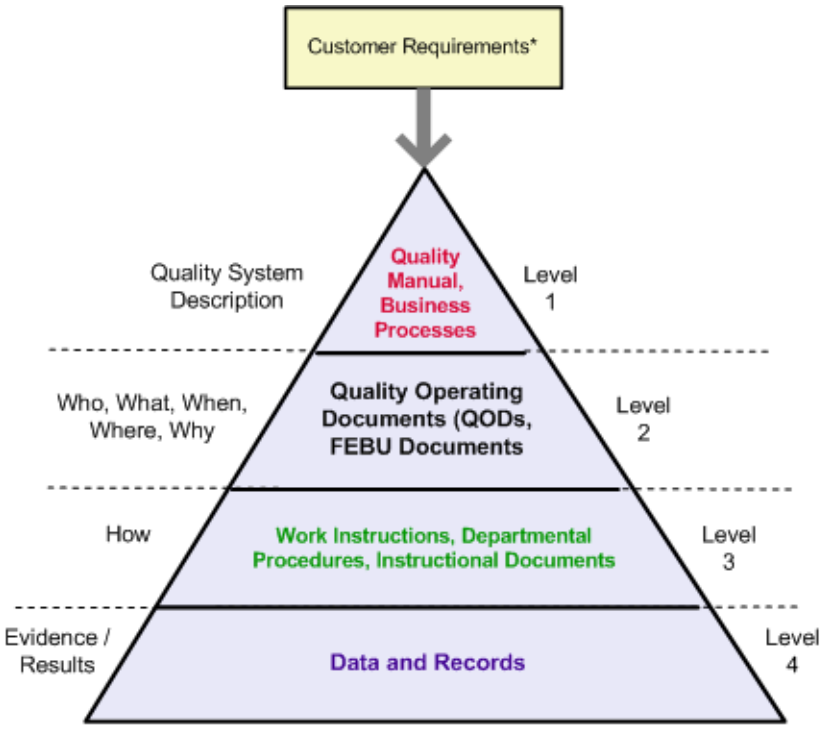
- defined laboratory scopes
- documented procedures and methods for testing or calibration services
- identification and traceability of test samples to relevant process standard
- equipment calibration and maintenance
- defined personnel training requirements
- verification of test results.

Internal Quality Audits

KEMET's internal Quality Audit Program verifies compliance and effectiveness of the documented quality system. Audit findings are recorded and resolved through corrective actions. Effectiveness of corrective actions is verified through follow-up audits. Audit results are reported to the SVP - Quality and CCO, and reviewed by appropriate management. Nonconformances as indicated by audit results are escalated for correction.

F. Document, Data, and Records Control

KEMET's quality system is documented to ensure products and processes comply with the customer requirements, military standards, ISO 9001 Quality Standard, IATF 16949 Automotive Quality Standard, AS9100 Aerospace Quality Standard, and the ISO 14001 Environmental Standard as appropriate. The documented quality system forms a four-tiered hierarchy:



* Including standards, specifications, and requirements such as ISO 9001, ISO/TS 16949, AS9100, Military Specifications/Standards, Customer Specific Requirements, etc.

- Level 1 - The Quality Manual provides an overall quality system description and documents KEMET's guiding principles including the Corporate Quality Policy and Quality Objectives which are implemented and understood throughout all levels of the organization. The processes KEMET uses to ensure customer satisfaction and financial success of the company are described in the Quality Manual and in Business Process documentation.

- Level 2 - Major quality system components and requirements for their implementation are described in Corporate Quality Documents (QODs) and FEBG plant-level documents.

- Level 3 - Level 3 documents include work instructions, departmental procedures, and instructional documents developed and maintained by the individual manufacturing plants, and various support groups.

- Level 4 - Data and Records provide evidence that the quality system defined in the three levels of documents above are implemented and being followed, as well as providing results for required tests, inspections, and other quality-related activities.

Document and Data Control

KEMET's policy and procedure documents are maintained throughout the company. Controls are in place for document access, revision, approval, distribution, and archiving, either electronically or in hard-copy form. This system ensures that employees have access to current information, workmanship standards, forms, and other information essential to the quality of products and processes.

In addition to controlling internal information, KEMET maintains control of software and external customer specifications.

Control of Records

KEMET has identified records which support the documented quality system. Requirements for this system are defined in documents for control of quality records.

G. Customer Support Systems

Contract Review

When a customer orders a standard KEMET product, contract review activities ensure agreement to contract conditions between KEMET and the customer prior to order placement. If the customer order is for nonstandard product, or if special requirements are needed to comply with a customer request, Customer Specifications Analysts inform manufacturing and other responsible groups of what is necessary for the product being produced to meet the customer's requirements. Amendments to existing customer orders are agreed to by both the customer and by KEMET before adjustments are made to ensure the customer requirements are understood and feasible.

Customer Satisfaction

Customer satisfaction is the responsibility of every member of the KEMET team and focuses on providing:

- products the customers want
- perfect quality
- 100% on-time delivery

Complaints reported by customers receive immediate attention. Initial responses to customers are made promptly, and the corrective action process is completed within a designated time frame. Problem-solving methods or other customer-prescribed tools are used.

KEMET's Customer Satisfaction process provides a means of determining the level of customer satisfaction in critical areas identified by both customers and KEMET. Complaint trends are tracked and are an input to Management Review. In addition, information relating to customer perception as to whether KEMET has met customer requirements is monitored.

Contingency Plans

KEMET will do whatever is reasonable to ensure that the flow of product to customers is not interrupted. KEMET's Disaster Contingency Plan includes three modules: Business Continuity Planning, Emergency Disaster Planning and Action, and Business Recovery.

Business Continuity Planning includes measures ensuring KEMET's ability to conduct day-to-day operations. KEMET's Business Continuity plan includes elements that address

risk identification and risk mitigation. Emergency Disaster Planning and Action as well as Business Recovery are facilitated by maintaining Headquarters and plant location-specific Business Continuity Plan (BCP) information in the on-line TAMP Disaster Recovery System (DRS).

Distributors

KEMET is supported by a network of distributors who are authorized to stock and distribute KEMET finished product, including military Established Reliability capacitors.

H. Supplier Quality

The KEMET Supplier Quality System ensures the procurement of high-quality materials from approved suppliers. Materials which impact the quality of finished KEMET product or processes are defined, suppliers are evaluated, and an approved supplier list is maintained for each raw material.

KEMET establishes and maintains long-term partnerships with strategic suppliers who share KEMET's commitment to continuous quality improvement and demonstrate an ability to make improvements in their processes, products, and services. KEMET works directly with the supplier to identify opportunities for improvement in products, processes, and quality systems, and to develop strategies to achieve these goals. These partnerships improve material quality and lower cost of ownership.

KEMET recognizes suppliers who achieve high quality and delivery levels and attain their targeted performance objectives. Material suppliers are required to be registered to ISO 9001 and encouraged to pursue compliance and registration to IATF 16949 and other industry quality standards. KEMET also encourages them to benchmark other companies and investigate new production methods and quality systems.

All purchased materials used in the KEMET manufacturing process are handled and processed in a manner consistent with governmental safety and environmental requirements.

I. Human Resources

KEMET employees have the skills, knowledge, and experience necessary to support KEMET's guiding principles, achieve quality objectives, and make continual improvements. Human Resources policies and procedures ensure that necessary pre-hire education and competencies for personnel, including those performing work affecting product quality, are determined. In addition, employees' post-hire competency needs are assessed and training programs are provided (or other actions are taken) so that employees have the appropriate skills and knowledge to support short- and long-term business objectives and to produce quality products. In addition, KEMET's Human Resources programs, and the Quality System promote innovation and motivate and empower employees to achieve quality objectives and make continual improvements.

Training and Development

KEMET's Training and Development Program ensures that all employees are competent to provide products and services that exceed customer expectations and demonstrate continuous improvement. Post-hire training needs are identified periodically through formal needs assessments and employee evaluations. Throughout the organization, training plans which support business and customer needs are established and training is provided.

Each KEMET location's training program ensures that personnel at all levels are competent to perform their jobs, with particular attention to the satisfaction of customer requirements. Training is provided for new or modified jobs affecting product quality and retraining is provided when performance is not acceptable.

During new-hire orientation and on-the-job training, employees are made aware of the relevance and importance of their activities and how they contribute to the achievement of the quality objectives. Personnel whose work can affect quality are also informed about the consequences to the customer of nonconformity to quality requirements.

Progress to training goals is monitored. Training effectiveness is measured through training evaluations, job-skill training certifications, re-certifications and audits, and job performance evaluations.

Motivation and Empowerment

KEMET's process to motivate and empower employees to achieve quality objectives and make continual improvements is incorporated throughout the Business Processes. Three fundamental components of the motivation and empowerment process are the company's:

- Training and Development Program for employees
- Process-based Quality System
- Human Resources programs and systems

The Training Program described in the section above is the main component of the motivation and empowerment process. Effective training enables employee competence, motivates personnel to achieve objectives, and empowers them to make continual improvements.

The process-based Quality System's emphasis on cross-functional team work and the requirement for use of quality tools and methodologies provides an innovative environment. Through active participation in KEMET's Lean Six Sigma Program, Yield Meetings, Product Line Reviews, Management Reviews, and numerous project teams, employees are empowered to continuously improve products and processes.

Human Resources programs such as Employee Benefits and Rewards, Job Performance Evaluations, and Succession Planning are essential for motivation and empowerment. In addition, Management's commitment to share business information is manifested through its communication systems and provides a foundation for informing employees about quality objectives and business and customer needs.

The extent to which KEMET employees are aware of the relevance and importance of their activities and how they contribute to the achievement of the quality objectives is apparent during daily work activity and is periodically measured through, skill certification and recertification, job audits, employee performance evaluations, and/or the Internal Audit Program.

III. MATRICES AND CROSS-REFERENCES

Quality Registrations and Cross-reference Tables

Scope of Quality Registrations

Scope of AS9100 Registration

Locations		Type of Registration
Headquarters / Simpsonville Plant	Simpsonville, SC, USA	AS9100
Monterrey Plant 1 & 2	Purchasing and QA Lab	

Scope of ISO 9001 and ISO/TS 16949 Registrations

Locations		Type of Registration
Headquarters	Simpsonville, SC, USA	ISO 9001
		ISO/TS 16949
Ceramic	Monterrey Plants 1 and 2, Guadalupe, N.L., Mexico	ISO 9001
		ISO/TS 16949
	Monterrey Plant 3, San Nicolás de los Garza, N.L., Mexico	ISO 9001
		ISO/TS 16949
Tantalum	KEMET Blue Metal (KBMT), H. Matamoros, Tamps., Mexico	ISO 9001
	KEMET Blue Powder (KBP),Mound House, NV	ISO 9001
	Matamoros Plant, H. Matamoros, Tamps., Mexico	ISO 9001
		ISO/TS 16949
	Simpsonville Plant, Simpsonville, SC, USA	ISO 9001
		ISO/TS 16949
	Suzhou Plant, Suzhou, Jiangsu, China	ISO 9001
		ISO/TS 16949
	Victoria, Plant, Cd. Victoria, Tamps., Mexico	ISO 9001
		ISO/TS 16949
Film and Electrolytics	Anting-Shanghai Plant, Shanghai, China	ISO 9001
		ISO/TS 16949
	Batam Plant, Batam, Indonesia	ISO 9001
		ISO/TS 16949
	Evora Plant, Evora, Portugal	ISO 9001
		ISO/TS 16949
	Färjestaden (Dectron) Plant, Färjestaden, Sweden	ISO 9001
	Gränna Plant, Gränna, Sweden	ISO 9001
		ISO/TS 16949
	Kyustendil Plant, Kyustendil, Bulgaria	ISO 9001
		ISO/TS 16949
	Pontecchio Plant, Sasso Marconi, (Pontecchio), Italy	ISO 9001
		ISO/TS 16949
	Skopje Plant, Skopje, Macedonia	ISO 9001
		ISO/TS 16949
	Suomussalmi Plant, Suomussalmi, Finland	ISO/TS 16949

Note: Locations that are registered only to ISO 9001 do not currently supply automotive-grade products to customers.

Tables

The following tables are applicable for KEMET manufacturing locations and related support group functions. For FEBG locations acquired by KEMET, refer to plant-level documentation.

References: ISO 9001:2015, IATF 16949:2016, AS9100D

Code Key for clause number columns	
X	= clause is the same as ISO 9001:2015
None	= clause is not referenced in standard

Requirements / Section	ISO 9001:2015	ITAF 16949:2016	AS9100D	QOD
CONTEXT OF THE ORGANIZATION	4	X	X	
Understanding the Organization and Its Context	4.1	X	X	001
Understanding the Needs and Expectations of Interested Parties	4.2	X	X	001
Determining the Scope of the Quality Management System	4.3	X	X	001
Determining the scope of the quality management system - supplemental	None	4.3.1	None	001
Customer specific requirements	None	4.3.2	None	502, 502A
Quality Management System and Its Processes	4.4	X	X	All
The organization shall establish, implement, maintain, and continually improve a quality management system….	4.4.1	X	X	All
Conformation of products and services	None	4.4.1.1	None	002: Procurement, 100, 500, SQPs
Product safety	None	4.4.1.2	None	001
To the extent necessary, the organization shall: a. maintain documented information to support the operation of its processes;…	4.4.2	X	X	002, 005, 005A, 300, 300A

Requirements / Section	ISO 9001:2015	ITAF 16949:2016	AS9100D	QOD
LEADERSHIP	5	X	X	
Leadership and Commitment	5.1	X	X	002: Management Review, Quality System Management, Strategic Business Planning, 400
				002: Management

General	5.1.1	X	X	Review, Quality System Management, Strategic Business Planning, 400
Corporate responsibility	None	5.1.1.1	None	002: Management Review, Quality System Management, Strategic Business Planning, 400
Process effectiveness and efficiency	None	5.1.1.2	None	002: Management Review, 400
Process owners	None	5.1.1.3	None	002
Customer Focus	5.1.2	X	X	002: Quality System Management, Customer Order Fulfillment, Customer Satisfaction, 400, 504
Policy	5.2	X	X	002: Quality System Management, 400
Establishing the Quality Policy	5.2.1	X	X	002: Quality System Management, 400
Communicating the Quality Policy	5.2.2	X	X	002: Quality System Management, 400
Organizational Roles, Responsibilities, and Authorities	5.3	X	X	002, Corporate/Plant HR Policies and Procedures
Organization roles, responsibilities, and authorities - supplemental	None	5.3.1	None	002
Responsibility and authority for product requirements and corrective actions	None	5.3.2	None	002: Strategic Business Planning, Quality System Management, 300, 307, MBOs, Plant Documents

Requirements / Section	ISO 9001:2015	ITAF 16949:2016	AS9100D	QOD
PLANNING	6	X	X	
Actions to Address Risks and Opportunities	6.1	X	X	002: Quality System Management
6.1.1 When planning for the quality management system, the organization shall consider the issues referred to in 4.1 and the requirements referred to in 4.2…..	6.1.1	X	X	002: Quality System Management, 400
The organization shall plan: actions to address these risks and opportunities…	6.1.2	X	X	002: Quality System Management, 400
Risk Analysis	None	6.1.2.1	None	002: Design and Development, 206, 502, 601 series
Preventive Action	None	6.1.2.2	None	002: Manufacturing, 200L, 500, 503, 503A, 206
Contingency Plans	None	6.1.2.3	None	002: Manufacturing, 400C, 503, Plant Documents
Quality Objectives and Planning to Achieve Them	6.2	X	X	002: Management Review, Quality System Management, 400
The organization shall establish quality objectives at relevant functions, levels, and processes needed for the quality management system.	6.2.1	X	X	002: Management Review, Quality System Management, 400
Quality objectives and planning to achieve them-supplemental	None	6.2.2.1	None	002: Strategic Business Planning, Management Review, 400
Planning of Changes	6.3	X	X	002: Management Review, Quality System Management, 400

Requirements / Section	ISO 9001:2015	ITAF 16949:2016	AS9100D	QOD
SUPPORT	7	X	X	
Resources	7.1	X	X	002
General	7.1.1	X	X	002
People	7.1.2	X	X	002
Infrastructure	7.1.3	X	X	002, Plant Documents
The organization shall use a multidisciplinary approach... for developing and improving plant, facility, and equipment plans…	None	7.1.3.1	None	002: Design and Development, 601 series, 200, 200A
Environment for the Operation of Processes	7.1.4	X	X	200, 601 series, Plant Documents
Environment for the Operation of Processes - supplemental	None	7.1.4.1	None	002: Manufacturing, 200
Monitoring and Measuring Resources	7.1.5	X	X	002: Manufacturing, 301, 005
General	7.1.5.1	X	X	002: Manufacturing, 301, 005
Measurement system analysis	None	7.1.5.1.1	None	200, 303
Measurement Traceability	7.1.5.2	X	X	002: Manufacturing, 301, 005
Calibration/verification records	None	7.1.5.2.1	None	002: Manufacturing, 301, 005
Laboratory requirements	None	7.1.5.3	None	002: Manufacturing, 800
Internal laboratory	None	7.1.5.3.1	None	002: Manufacturing, 301, 800
External laboratory	None	7.1.5.3.2	None	002: Manufacturing, 301, 800
Organizational Knowledge	7.1.6	X	X	601 Series
Competence	7.2	X	X	002: Training, 604, HR Policies and Procedures, Plant Documents
Competence - supplemental	None	7.2.1	None	002: Training, 604, Plant Documents
Competence - on-the-job training	None	7.2.2	None	002: Training, 206, 604, Plant Documents
Internal auditor competency	None	7.2.3	None	QOD 008 Series

Second-party auditor competency	None	7.2.4	None	QOD 008 Series
Awareness	7.3	X	X	002: Quality System Management, 400
Awareness-supplemental	None	7.3.1	None	002: Training, 206, 604, Plant Documents
Employee motivation and empowerment	None	7.3.2	None	002: 400, 601 Series, 604, HR Policies and Procedures, Plant Documents
Communication	7.4	X	X	002: Management Review, 400
Documented Information	7.5	X	X	002, 300, 300A, 005, 005A
General	7.5.1	X	X	002, 300, 300A, 005, 005A
Quality management system documentation	None	7.5.1.1	None	002, 300, 300A, 005, 005A
Creating and Updating	7.5.2	X	X	002: Quality System Management System, 300, 300A
Control of Documented Information	7.5.3	X	X	002: Quality System Management System, 300, 300A
Documented information required by the quality management system and by this International Standard shall be controlled..	7.5.3.1	X	X	002: Quality System Management System, 300, 300A
For the control of documented information, the organization shall address the following activities, as applicable:	7.5.3.2	X	X	002: Quality System Management, 005, 005A
Record Retention	None	7.5.3.2.1	None	002: Customer Order Fulfillment, 005, 005A
Engineering specifications	None	7.5.3.2.2	None	002: Customer Order Fulfillment, 502, 502A

Requirements / Section	ISO 9001: 2015	ITAF 16949: 2016	AS9100D	QOD
OPERATION	8	X	X	
Operational Planning and Control	8.1	X	X	002: Design and Development, 601 series
Operational Risk Management	None	None	*8.1.1*	002: Design and Development, 206, 502
Operational planning and control-supplemental	None	8.1.1	None	002: Design and Development, 601 series, 502, 502A
Confidentially	None	8.1.2	None	502B
Configuration Management	None	None	*8.1.2*	002: Design and Development, 206, 502,
Product Safety	None	None	*8.1.3*	Quality Manual
Prevention of Counterfeit Parts	None	None	*8.1.4*	202
Requirements for Products and Services	8.2	X	X	002: Customer Order Fulfillment, Sales Handbook, CDF Procedures, web site, QOD 502, 502A, 503/KCIS
Customer Communication	8.2.1	X	X	002: Customer Order Fulfillment, Sales Handbook, CDF Procedures, web site, QOD 502, 502A, 503/KCIS
Customer communication-supplemental	None	8.2.1.1	None	002: Design and Development, 601 series
Determining the Requirements for Products and Services	8.2.2	X	X	002: Customer Order Fulfillment, 601 series, 502, 502A, Sales Handbook
Determining the Requirements for Products and Services-supplemental	None	8.2.2.1	None	002: Customer Order Fulfillment, 601 series, 502, 502A, Sales Handbook
Review of the Requirements for Products and Services	8.2.3	X	X	002: Customer Order Fulfillment, 502, 502A, Sales Handbook
The organization shall ensure that it has the ability to meet the requirements for products and services to be offered to	8.2.3.1	X	X	002: Customer Order Fulfillment, 502, 502A, Sales

customers.				Handbook
Review of the Requirements for Products and Services-supplemental	None	8.2.3.1.1	None	002: Customer Order Fulfillment, 502, 502A, Sales Handbook
Customer-designated special characteristics	None	8.2.3.1.2	None	200: Process Control System, 200 series
Organization manufacturing feasibility	None	8.2.3.1.3	None	002: Customer Order Fulfillment, 502, 601 series
The organization shall retain documented information, as applicable:	8.2.3.2	X	X	002: Customer Order Fulfillment, 502, 502A, Sales Handbook
Changes to Requirements for Products and Services	8.2.4	X	X	002: Customer Order Fulfillment, 502, 502A, Sales Handbook
Design and Development of Products and Services	8.3	X	X	002: Design and Development, 601 series,
General	8.3.1	X	X	002: Design and Development, 601 series,
Design and Development of Products and Services-supplemental	None	8.3.1.1	None	002: Design and Development, 601 series,

Design and Development Planning	8.3.2	X	X	002: Design and Development, 601 series,
Design and Development Planning -supplemental	None	8.3.2.1	None	002: Design and Development, 601 series,
Product design skills	None	8.3.2.2	None	002: Training, 604, HR Policies and Procedures, 601 series, 604
Development of product with embedded software	None	8.3.2.3	None	N/A (See Exceptions)
Design and Development Inputs	8.3.3	X	X	002: Design and Development, 601 series
Product design inputs	None	8.3.3.1	None	002: Customer Order Fulfillment, Design and Development Process, 502, 502A, 601 series
Manufacturing process design input	None	8.3.3.2	None	002: Design and Development, 601 series
Special characteristics	None	8.3.3.3	None	002: Design and Development, 601 series, 200, 200A
Design and Development Controls	8.3.4	X	X	002: Design and Development, 601 series, 005
Monitoring	None	8.3.4.1	None	002: Design and Development, 601 series
When tests are necessary for verification and validation, ...	None	None	*8.3.4.1*	002: Design and Development, 601 series, 506
Design and development validation	None	8.3.4.2	None	002: Design and Development, 601 series
Prototype program	None	8.3.4.3	None	002: Design and Development, 601 series
Product approval process	None	8.3.4.4	None	002: Design and Development, 601 series, 506
Design and Development Outputs	8.3.5	X	X	002: Design and Development, 601 series
Design and Development Outputs-supplemental	None	8.3.5.1	None	002: Design and Development, 200, 601 series

Manufacturing process design output	None	8.3.5.2	None	002: Design and Development, 200, 601 series
Design and Development Changes	8.3.6	X	X	002: Design and Development, Manufacturing, 206, 200, 601 series, 506, 510
Design and development changes-supplemental	None	8.3.6.1	None	002: Design and Development, 601 series
Control of Externally Provided Processes, Products, and Services	8.4	X	X	002: Procurement, 100, 500, SQPs
General	8.4.1	X	X	002: Procurement, 100, 500, SQPs
General-supplemental	None	8.4.1.1	None	002: Procurement, 100, 500, SQPs
The organization shall: maintain a register of its external providers..	None	None	*8.4.1.1*	002: Procurement, 100, 500, SQPs
Supplier selection process	None	8.4.1.2	None	002: Procurement, 100, 500, SQPs
Customer-directed sources (also known as "Directed-Buy")	None	8.4.1.3	None	N/A (See Exceptions)
Type and Extent of Control	8.4.2	X	X	002: Procurement, 100, 500, SQPs
Type and Extent of Control-supplemental	None	8.4.2.1	None	002: Procurement, 100, SQPs
Statutory and regulatory requirements	None	8.4.2.2	None	002: Procurement, 100, SQPs
Supplier quality management system development	None	8.4.2.3	None	002: Procurement, 100, SQPs
Automotive product-related software or automotive products with embedded software	None	8.4.2.3.1	None	N/A (See Exceptions)
Supplier monitoring	None	8.4.2.4	None	002: Procurement, 100, SQPs
Second party audits	None	8.4.2.4.1	None	SQPs
Supplier Development	None	8.4.2.5	None	002: Procurement, 100, SQPs

Information for External Providers	8.4.3	X	X	002: Procurement, 100, SQPs
Information for External Providers-supplemental	None	8.4.3.1	None	002: Procurement, 100, SQPs
Production and Service Provision	8.5	X	X	002: Manufacturing, Delivery, 206, 200, 300, 301, 303, 601 series
Control of Production and Service Provision	8.5.1	X	X	002: Manufacturing, Delivery, 206, 200, 300, 301, 303, 601 series
Control of Production and Service Provision (AS)	None	None	*8.5.1 c. 1.*	002: Manufacturing, 307
Control of Production and Service Provision (AS)	None	None	*8.5.1 c - q.*	002: Manufacturing, Delivery, 206, 200, 300, 301, 303, 601 series
Control Plan	None	8.5.1.1	None	002: Design and Development, Manufacturing, 200, 200A, 601 series
Control of Equipment, Tools, and Software Programs	None	None	*8.5.1.1*	002: Manufacturing, 200, Plant Documents
Standardized work - operator instructions and visual standards	None	8.5.1.2	None	002: Design and Development, Manufacturing, Delivery, Procurement, 200, 300
Validation and Control of Special Processes	None	None	*8.5.1.2*	N/A (See Exceptions)
Verification of job set-ups	None	8.5.1.3	None	002: Manufacturing, 200, Plant Documents
Production Process Verification	None	None	*8.5.1.3*	308, 206, 601 series
Verification after shutdown	None	8.5.1.4	None	Plant Documents
Total productive maintenance	None	8.5.1.5	None	002: Manufacturing, 200, 900, Plant Documents

Management of production tooling and manufacturing, test, and inspection tooling and equipment	None	8.5.1.6	None	206, 200, 601 Series, Plant Documents
Production scheduling	None	8.5.1.7	None	002: Customer Order Fulfillment, Central Planning and CDF Documents
Identification and Traceability	8.5.2	X	X	002: Design and Development, Manufacturing, Delivery, Procurement, 202, 005
Identification and Traceability-supplemental	None	8.5.2.1	None	002: Design and Development, Manufacturing, Delivery, Procurement, 202, 005
Property Belonging to Customers or External Providers	8.5.3	X	X	N/A (See Exceptions)
Preservation	8.5.4	X	X	002: Manufacturing, Delivery, Procurement, Plant Documents
Preservation-supplemental	None	8.5.4.1	None	002: Manufacturing, Delivery, Plant Documents
Post-Delivery Activities	8.5.5	X	X	002: Customer Order Fulfillment, 502, 502A, Sales Handbook
Feedback of information from service	None	8.5.5.1	None	N/A (See Exceptions)
Service agreement with the customer	None	8.5.5.2	None	N/A (See Exceptions)
Control of Changes	8.5.6	X	X	206 Series
Control of changes-supplemental	None	8.5.6.1	None	002: Manufacturing, 206, 506, 510
Temporary change of process controls	None	8.5.6.1.1	None	300
Release of Products and Services	8.6	X	X	002: Manufacturing, 307

Release of Products and Services-supplemental	None	8.6.1	None	002: Manufacturing, 601 series
Layout inspection and functional testing	None	8.6.2	None	002: Manufacturing, 307, Plant Documents
Appearance items	None	8.6.3	None	N/A (See Exceptions)
Verification and acceptance of conformity of externally provide products and services	None	8.6.4	None	002: Procurement, 100, 307 SQPs, Plant Documents
Statutory and regulatory conformity	None	8.6.5	None	002: Procurement, 100, SQPs and Procedures
Acceptance criteria	None	8.6.6	None	002: Design and Development, 307, 601 series
Control of Nonconforming Outputs	8.7	X	X	002: Manufacturing, 307, 005
Customer authorization for concession	None	8.7.1.1	None	002: Customer Order Fulfillment, 502, 502A
Control of nonconforming product-customer-specified process	None	8.7.1.2	None	002: Manufacturing, 307, 005
Control of suspect product	None	8.7.1.3	None	Plant Documents
Control of reworked product	None	8.7.1.4	None	002: Manufacturing, 307, 005
Control of repaired product	None	8.7.1.5	None	002: Manufacturing, 307, 005
Customer notification	None	8.7.1.6	None	002: Manufacturing, Quality System Management, 307
Nonconforming product disposition	None	8.7.1.7	None	307
The organization shall retain documented information that:	8.7.2	X	X	002: Manufacturing, 307, 005

Requirements / Section	ISO 9001:2015	ITAF 16949:2016	AS9100D	QOD
PERFORMANCE EVALUATION	9	X	X	
Monitoring, Measurement, Analysis, and Evaluation	9.1	X	X	002, 200 Series, 206, 200, 400, 500, 610
General	9.1.1	X	X	002, 200 Series, 206, 200, 400, 500, 610
Monitoring and measurement of manufacturing processes	None	9.1.1.1	None	002: Manufacturing, 200, 200D, 200A
Identification of statistical tools	None	9.1.1.2	None	002: Design and Development, manufacturing, 601 series, 200A
Application of statistical concepts	None	9.1.1.3	None	002: Training, 200, 604, Plant Documents
Customer Satisfaction	9.1.2	X	X	002: Customer Satisfaction, 400, 503, 504
Customer Satisfaction-supplemental	None	9.1.2.1	None	002: Customer Satisfaction, 400, 503, 504
Analysis and Evaluation	9.1.3	X	X	002, 100, 210
Prioritization	None	9.1.3.1	None	002: Customer Satisfaction, 400, 503, 504
Internal Audit	9.2	X	X	002: Internal Auditing, 008 series
The organization shall: a. plan, establish, implement, and maintain an audit program(s)	9.2.2	X	X	002: Internal Auditing, 008 series
Internal audit program	None	9.2.2.1	None	002: Internal Auditing, 008 series
Quality management system audit	None	9.2.2.2	None	002: Internal Auditing, 008 series
Manufacturing process audit	None	9.2.2.3	None	002: Internal Auditing, 008 series
Product audit	None	9.2.2.4	None	002: Manufacturing, 307
Management Review	9.3	X	X	002: Management Review, 400
General	9.3.1	X	X	002: Management Review, 400
Management Review-supplemental	None	9.3.1.1	None	002: Management

				Review, 400
Management Review Inputs	9.3.2	X	X	002: Management Review, Quality System Management, 200, 400, 500, 503
Management Review Inputs-supplemental	None	9.3.2.1	None	002: Strategic Business Planning, Management Review, Quality System Management, 400
Management Review Outputs	9.3.3	X	X	002: Management Review
Management Review Outputs-supplemental	None	9.3.3.1	None	002: Management Review

Requirements / Section	ISO 9001:2015	ITAF 16949:2016	AS9100D	QOD
IMPROVEMENT	10	X	X	
General	10.1	X	X	002, 100, 200
Nonconformity and Corrective Action	10.2	X	X	002: Manufacturing, 307, 005
When a nonconformity occurs, including any arising from complaints, the organization shall…	10.2.1	X	X	002: Manufacturing, 307, 005
The organization shall retain documented information as evidence of: nonconformities...	10.2.2	X	X	002: Manufacturing, 307, 005
Problem solving	None	10.2.3	None	002: Manufacturing, 200L, 500, 503, 503A, 206
Error-proofing	None	10.2.4	None	002: Manufacturing, 200L, 500, 206
Warranty management systems	None	10.2.5	None	Corporate Procedures
Customer complaints and field failure analysis	None	10.2.6	None	002: Manufacturing, 500, 503, 206, Plant Documents
Continual Improvement	10.3	X	X	002, 500, 206

Notes

The following notes are applicable for KEMET manufacturing locations and related support group functions. For FEBG locations acquired by KEMET, refer to plant-level documentation.

Note: The table below is the revised "Notes" table applicable to ISO 9001:2015, IATF 16949, and AS9100D.

Requirements / Section	ISO 9001:2015	ITAF 16949:2016	AS9100D	Notes
Development of product with embedded software	None	8.3.2.3	None	KEMET products do not use embedded software.
Customer-directed sources (also know as "Directed-Buy")	None	8.4.1.3	None	KEMET has no customer directed sources.
Automotive product-related software or automotive products with embedded software	None	8.4.2.3.1	None	KEMET products do not use embedded software.
Validation and Control of Special Processes	None	None	*8.5.1.2*	*KEMET has no designated "special processes" or processes where the resulting output cannot be verified by subsequent monitoring or measurement.*
Property Belonging to Customers or External Providers	8.5.3	X	X	KEMET has no properties belonging to customers.
Feedback of information from service	None	8.5.5.1	None	Servicing is not applicable to KEMET's current products. However, should servicing be applicable to future products, these clauses will be addressed at that time.
Service agreement with the customer	None	8.5.5.2	None	Servicing is not applicable to KEMET's current products. However, should servicing be applicable to future products, these clauses will be addressed at that time.
Appearance items	None	8.6.3	None	KEMET products are not designated as "appearance items" and an Appearance Approval Report (AAR) is not required as a part of PPAP for KEMET. Should KEMET's future products be designated as "appearance items", this clause will be addressed at that time.

Military Standard Cross-Reference

Reference: MIL-STD-790G (Revision: 24 January 2013)

MIL-STD-790F	Quality Manual Section	Corporate Quality and Other Documents
5.1.1	I.C	Quality Manual, Plant Documents
5.1.2	II.E	800
5.1.5	II.G	508
5.2.1	II.I	604, Plant Documents
5.2.2	II.D	301
5.2.4	II.D	307, 503, 700 Series
5.2.4.1	II.D	503
5.2.4.2	II.D	503
5.2.5	II.D, II.G.	503
5.2.5.1	II.B	206, 601 series
5.2.6	II.C	200, Plant Documents
5.2.7	II.B, II.C	200, 202, 206, 301, 307, 510, Plant Documents
5.2.8	II.F, II.H	100, 300, Corporate Purchasing Policies and Procedures
5.2.9	II.B, II.C	200, 601 series
5.2.10	II.D, II.H	100, 202, 200A, Plant Documents
5.2.11	II.C	Plant Documents
5.2.12.1	II.C, II.D, II.H	100, 202, 307
5.2.12.2	II.C, II.H	100, 202
5.2.12.3	II.D	307
5.2.12.4	II.C	202
5.2.13	II.C	202
5.2.14	II.D	307
5.2.15	II.C, II.D	200A, 307, 005, Plant Documents
5.2.16	II.E	008

Scope of Environmental Registrations

Scope of Environmental Registrations

Business	Location	Type of Registration
Headquarters	Simpsonville, SC, USA	ISO 14001
Ceramic	Monterrey Plants 1 and 2, Guadalupe, N.L., Mexico	ISO 14001
	Monterrey Plant 3, San Nicolás de los Garza, N.L., Mexico	
Tantalum	Matamoros Plant, H. Matamoros, Tamps., Mexico	ISO 14001
	Simpsonville Plant, Simpsonville, SC, USA	
	Suzhou Plant, Suzhou, Jiangsu, China	
	Victoria Plant, Ciudad Victoria, Tamps., Mexico	
Film and Electrolytics	Anting-Shanghai Plant, Shanghai, China	ISO 14001
	Batam Plant, Batam, Indonesia	
	Evora Plant, Evora, Portugal	
	Gränna Plant, Gränna, Sweden	
	Kyustendil Plant, Kyustendil, Bulgaria	
	Pontecchio Plant, Sasso Marconi, (Pontecchio), Italy	

Corporate Quality Documents Index

The following tables are included for reference only. A Master Index of the titles, revisions, and dates of all Corporate Quality Documents is maintained in the Corporate Quality Document database ().

CQD Revisions	
Number / Link	**Title**
300B	CQD Revisions - Summaries By Month

Index	
Number / Link	**Title**
004	Index - Corporate Quality Documents
004A	Document Control Plan
Level 1: KEMET Quality Manual and Business Process Documents	
000	Our Mission, Vision, and Values
001	Quality Manual
002	Business Processes
003	Social Responsibility

Level 2: Quality Operating Documents (QOD)	
Number / Link	**Title**
005	Control of Records
005A	Record Retention Tables
008	Internal Quality Audit Program
008A	Corporate Quality Auditor Qualification and Training
008B	Corporate Internal Quality Audit Process
008C	Plant Self-audit Process
100	Supplier Quality Systems
200	Process Control System
200A	Process Control Plans (PCPs)
200B	Failure Mode and Effects Analysis (FMEA)
200C	Process Capability Studies
200D	Process Flowcharts
200E	Control Charts
200F	Target and Measures Summary
200G	Quality Function Deployment (QFD)
200L	Lean Six Sigma (LSS) Methodology
200M	

	Maverick Lot Detection (MLD)
202	Product Identification and Traceability
206	Product, Process, Raw Material, and Equipment Change Control
207	New Product Introduction - Plant Implementation
300	Document and Data Control
300A	KEMET Standard Document Family Information
301	Calibration Systems
301B	Standard Accuracy Verification Procedure
303	Measurement Systems Analysis
307	Inspection and Testing / Control of Nonconforming Product
308	First Article Inspection (FAI)
312	Cost of Poor Quality (COPQ)
400	Management Leadership
400A	Quality Policy Committee (QPC)
400C	KEMET Disaster Contingency Plan
400R	Risk Management
500	Corrective Action, Preventive Action, and Continuous Improvement
502	Customer Product Specifications
502A	Automotive Customer Specific Requirements
502B	Nondisclosure Agreement Guidelines
502C	Prototype Samples Disclaimer and SOW Package
503	Customer Complaint Handling
503A	Global 8D Problem-solving Method
503C	Problem Part Identification and Containment
504	Customer Satisfaction
506	KEMET Product Part Approval Process (PPAP)
508	Handling of Parts by KEMET Distributors
510	Customer Change Notification
601A	New Product Platform Development
601B	Platform Extension and Custom Design
601C	New Material, Process, and Equipment Development
601D	Express Product Development
601F	Pre-project Feasibility and/or Prototype Work

601O	Direct Opportunities
601P	New Private Label or Alliance Partnership
601Q	Private Label Partnership (PLP) Product Qualification & Validation
601X	PLP Product Quality Management
602	Transfer Process
603	New Product Launch
604	KEMET Training Program
606	New Product Development (NPD) Portfolio Management
610	Sustainability Council (SC)
615	Facilities, Environmental, Health and Safety Management System (EMS)
615A	Internal EMS Audit Program
700A	QA&R Testing
700B	Ceramic Commercial Monitoring Program
700C	Tantalum Commercial Monitoring Program
700D	Testing for Customers
700E	Aluminum Commercial Monitoring Program
800	Laboratory Process Control
900	Software Control

Material Composition Declaration - IPC-1752-1	
Number / Link	**Title**
610A	IPC-1752 Material Composition Declarations
610B	Ceramic BU Flat File
610D	Film and Electrolytic MCD Files
610E	Tantalum MCD Files

Packaging	
Number / Link	**Title**
1000	Packaging Overview
1001	Packaging Minimum Standards
1002	Packaging by Product Type
1003	Storage
1004	Taping
1005	Void Fillers
1006	

	Edge Protection
1007	Overpacks
1008	Stacking
1009	Strapping and Stretch Wrapping
1010	Pallets
1011	Loading and Unloading
1012	HazMat packaging requirements
1013	Shipping instructions (SIs)
1014	Returns/Damaged Goods
1015	Loading Ocean Containers
1016	Loading Air Containers

Supplier Quality Procedures (SQPs)	
Number / Link	**Title**
100A	Quality Requirements for Raw Material Suppliers
100B	Supplier Bar Code Specifications
100C	Tantalum Supply Chain Transparency Procedures
101	Global Supplier Approval System
101A	Global Raw Material Supplier List
102	Raw Material Specifications
102A	M-spec Coordination for KEDS, Oracle & KOSQI Users
103	Receiving Inspection System
103A	Inspection Operating Document - KOSQI
104	Supplier Corrective Action
105	Supplier Monitoring Program and Rating System
106	Supplier Quality Audits
107	Supplier Continuous Improvement and Development

SQP Forms	
Number / Link	**Title**
F101_1	SSA, Supplier Self-Assessment
F101_3	Conflict Mineral Reporting Template
F101_5	New Supplier Set Up
F101_7	Fabrication Supplier Questionnaire
F101_9	Calibration Survey

F103_1	Non-Conformace Notice (NCN) Format
F103_2	Raw Material On-Line Reject Notice
F103_3	Urgent Request for Release of Material
F103_4	Engineering Evaluation Form
F103_5	Stores Audit Log Form
F104_1	Supplier Corrective Action Request (SCAR) Format
F105_1	Suppliers Performance Summary
F106_1	Supplier Quality Audit Checklist and Scoring Summary
F106_2	Supplier Audit Finding Form
F106_3	Supplier Auditor Qualification Form

KEMET CHARGED.
Electronics Corporation

[Form Rev. -]
End Of Form