JEDEC STANDARD

QUALITY SYSTEM ASSESSMENT

JESD670A

(Revision of EIA670, June 1997)

OCTOBER 2013

JEDEC SOLID STATE TECHNOLOGY ASSOCIATION

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Published by
©JEDEC Solid State Technology Association 2013
3103 North 10th Street
Suite 240 South
Arlington, VA 22201-2107

PRICE: Contact JEDEC

Printed in the U.S.A.

Foreword

This document is based on the quality management system requirements of the international standard ISO 9001:2008 (also documented as the US national standard ANSI / ISO / ASQ Q9001-2008). It contains an audit checklist that is expected to be beneficial for organizations looking for a guideline to help with self-assessments and an understanding of their compliance to the requirements of ISO 9001:2008. This checklist is intended to support the evaluation of quality management systems, but is not sufficient by itself to guarantee full compliance to the requirements of ISO9001:2008.

Introduction

This standard contains a set of questions that can be used to evaluate a quality management system to the requirements of ISO 9001:2008. Each of the questions in this checklist is referenced to the applicable clause in the ISO document. In addition, the section headings in the evaluation matrix match the clause titles in the ISO 9001:2008 standard.

This standard should be used with some amount of common sense. Utilizing checklists for the purpose of auditing can result in too much focus on the checklist at the expense of overlooking important items. It is expected that users of this document will add their own experience and knowledge to the audit process, which may lead to questions or areas of inquiry that diverge from the checklist in this standard.

QUALITY SYSTEM ASSESSMENT

(From JEDEC Board Ballot JCB-13-31, formulated under the cognizance of the JC-14.4 Subcommittee on Quality Processes and Methods.)

1 Scope

This checklist is intended as a tool to allow users to assess the level of compliance of a quality management system to the requirements ISO 9001:2008. The questions in this checklist are of a generic nature and intended to be applicable to all organizations, not just those involved in the electronics industry. It can be useful while performing self-assessments of the organization or other internal audit procedures. It is not intended for use by a contracted third party registrar during a formal audit to the requirements of ISO 9001:2008.

2 Normative Reference

ISO 9001:2008, *Quality Management Systems – Requirements*

ISO 9000:2005, *Quality Management Systems – Fundamentals and Vocabulary*

ANSI/ISO/ASQ Q9001-2008, *Quality Management Systems – Requirements*

3 Terms and Definitions

Organization: A group of people and facilities with an arrangement of responsibilities, authorities and relationships.

Management System: A set of interrelated or interacting elements to establish policy and objectives and to achieve those objectives.

Quality Management System: A management system to direct and control an organization with regard to quality.

Process: A set of interrelated or interacting activities which transforms inputs into outputs.

4 General Requirements

This checklist is provided in tabular format. A space is provided after each question to record the results of the evaluation and any applicable comments. The method of recording the results is a matter of preference and may be different for different users. The following is an example of how the results may be recorded:

Compliant (C)	Fully meets all requirements.
Observation (O)	Minor discrepancy noted, not expected to result in substandard product or service quality.
Discrepant (D)	Non-compliant to requirements, expected to result in substandard product or service quality.
Not Applicable (NA)	Not a part of the organization’s quality management system.
Not Observed (NO)	This item was not observed during the evaluation.

The results of the evaluation may be recorded in any other format that provides meaningful information to the checklist user.

ISO Clause	Question	Result	Comments
4	**Quality Management System**		
4.1	**General Requirements**		
	Has a quality management system been established?		
	Is the quality management system been documented, implemented and maintained?		
	Is the effectiveness of the quality management system improved over time?		
	Have the various processes necessary for implementation of the quality management system, including any that may be outsourced to an external organization, been identified?		
	a) Do these processes include those that are associated with management activities, provision of resources, product realization, measurement, analysis and improvement?		
	b) Has the deployment of these processes throughout the organization been determined?		
	c) Is the sequence of these processes and the interaction between them defined?		
	d) Are criteria and methods necessary to ensure effectiveness of both the operation and control of these processes defined?		
	e) Are the resources and information necessary for effective operation and monitoring of these processes available?		
	f) Are these processes monitored, measured and, where applicable, analyzed?		
	g) Are actions necessary to achieve planned results and continual improvement of these processes implemented and monitored?		
	Are outsourced processes that affect conformance of product to requirements identified and controlled?		
	Is the type and extent of control applied to these outsourced processes:		
	a) Defined within the quality management system?		
	b) Influenced by the potential impact of the outsourced process on the capability to provide product that conforms to requirements?		
	c) Influenced by the degree to which the control for the process is shared?		
	d) Influenced by the capability of achieving the necessary control through the application of purchasing processes?		

4.2	**Documentation Requirements**		
4.2.1	**General**		
	Does the quality management system documentation include:		
	a) Documented statements of a quality policy and quality objectives?		
	b) A quality manual?		
	c) Documented procedures and records required by ISO9001:2008?		
	d) Documents, including records, determined to be necessary to ensure the effective planning, operation and control of the quality management system processes?		
	Is the extent of the quality management system documentation appropriate to:		
	a) The size and type of the organization?		
	b) The complexity and interaction of the processes?		
	c) The competence of personnel?		
4.2.2	**Quality Manual**		
	Has a quality manual been established, documented, implemented and maintained that includes:		
	a) The scope of quality management system, including details of, and justifications for, any exclusion?		
	b) The documented procedures established for the quality management system, or references to them?		
	c) A description of the interaction between the processes of the quality management system?		
4.2.3	**Control of Documents**		
	Are documents and records required by the quality management system controlled?		
	Has a documented procedure been established that defines the controls needed:		
	a) To approve the adequacy of controlled documents prior to issue?		
	b) To review, update (as necessary) and re-approve controlled documents?		
	c) To ensure that changes to controlled documents are identified?		
	d) To ensure that the current revision of each controlled document is identified?		
	e) To ensure that relevant versions of applicable documents are available at points of use?		
	f) To ensure that documents remain legible and readily identifiable?		
	g) To ensure that documents of external origin determined to be necessary for the planning and operation of the quality management system are identified and their distribution is controlled?		
	h) To prevent the unintended use of obsolete documents, and to apply suitable identification to them if they are retained for any purpose?		

4.2.4	**Control of Quality Records**		
	Are records established to provide evidence of conformance to the requirements of the quality management system?		
	Are records established to provide evidence of the effective operation of the quality management system?		
	Are these records controlled?		
	Has a documented procedure been established to define the necessary controls for:		
	a) Identification of records?		
	b) Storage of records?		
	c) Protection of records?		
	d) Retrieval of records?		
	e) Retention time of records?		
	f) Disposition of records?		
	Are records legible, readily identifiable and retrievable?		
5	**Management Responsibility**		
5.1	**Management Commitment**		
	Has top management demonstrated its commitment to the development and implementation of the quality management system and continual improvement in its effectiveness through:		
	a) Communicating to the organization the importance of meeting customer, statutory and regulatory requirements?		
	b) Establishing the quality policy?		
	c) Ensuring that quality objectives are established?		
	d) Conducting management reviews?		
	e) Ensuring the availability of resources?		
5.2	**Customer Focus**		
	Does top management ensure that customer requirements are determined and met with the aim of enhancing customer satisfaction?		
5.3	**Quality Policy**		
	Has top management ensured that the quality policy:		
	a) Is appropriate to the purpose of the organization?		
	b) Includes a commitment to comply with requirements of the quality management system and to continually improve its effectiveness?		
	c) Provides a framework for establishing and reviewing quality objectives?		
	d) Is communicated and understood within the organization?		
	e) Is periodically reviewed for suitability?		

5.4	**Planning**		
5.4.1	**Quality Objectives**		
	Has top management ensured that quality objectives have been established at all relevant functions and levels within the organization?		
	Do the quality objectives include those necessary to meet product requirements?		
	Are the quality objectives measurable and consistent with the quality policy?		
5.4.2	**Quality Management System Planning**		
	Has top management ensured that:		
	a) Planning of the quality management system is carried out in order to meet the requirements of ISO9001:2008 clause 4.1 as well as the quality objectives?		
	b) The integrity of the quality management system is maintained when changes are planned and implemented?		
5.5	**Responsibility, Authority and Communication**		
5.5.1	**Responsibility and Authority**		
	Has top management defined and communicated the responsibilities and authorities within the organization?		
5.5.2	**Management Representative**		
	Has top management appointed a member of the organization's management to act as a representative and liaison with external parties who has the responsibility and authority to:		
	a) Ensure that processes necessary for the quality management system are established, implemented and maintained?		
	b) Report to top management on the performance of the quality management system and any need for improvement?		
	c) Ensure the promotion of customer requirements throughout the organization?		
5.5.3	**Internal Communication**		
	Has top management established appropriate communications processes within the organization?		
	Does appropriate communication take place within the organization regarding effectiveness of the quality management system?		

5.6	**Management Review**		
5.6.1	**General**		
	Does top management review the quality management system, at planned intervals, to ensure its continuing suitability, adequacy, and effectiveness?		
	Does this review include the assessment of opportunities for improvement and the need for changes to the quality management system, including the quality policy and quality objectives?		
	Are records of management reviews maintained?		
5.6.2	**Review Input**		
	Do inputs to the management review include information on:		
	a) Results of audits?		
	b) Customer feedback?		
	c) Process performance and product conformity?		
	d) Status of preventive and corrective actions?		
	e) Follow-up actions from previous management reviews?		
	f) Changes that could affect the quality management system?		
	g) Recommendations for improvement?		
5.6.3	**Review Output**		
	Do outputs from the management review include any decisions and actions related to:		
	a) Improvement of the effectiveness of the quality management system and its processes?		
	b) Improvement of product related to customer requirements?		
	c) Resource needs?		
6	**Resource Management**		
6.1	**Provision of Resources**		
	Have necessary resources been determined and provided to:		
	a) Implement and maintain the quality management system?		
	b) Continually improve the effectiveness of the quality management system?		
	c) Enhance customer satisfaction by meeting customer requirements?		
6.2	**Human Resources**		
6.2.1	**General**		
	Are personnel who perform work that affects conformance to product requirements competent on the basis of appropriate education, training, skills and experience?		

6.2.2	**Competence, Training and Awareness**		
	Has the organization:		
	a) Determined the necessary competence for personnel who perform work that affects conformance to product requirements?		
	b) Where applicable, provided training or taken other actions to achieve the necessary competence?		
	c) Evaluated the effectiveness of any such training or actions that have been completed?		
	d) Ensured that its personnel are aware of the relevance and importance of their activities and how they contribute to the achievement of the quality objectives?		
	e) Maintained appropriate records of education, training, skills, and experience?		
6.3	**Infrastructure**		
	Has the infrastructure necessary to achieve conformance to product requirements been determined, provided and maintained for:		
	a) Buildings, workspace and associated utilities?		
	b) Process equipment (both hardware and software)?		
	c) Supporting services (such as transportation, communication or information systems)?		
6.4	**Work Environment**		
	Has the work environment, including physical, environmental, and other factors (such as noise, temperature, humidity, lighting or weather) been determined and managed in order to achieve conformance to product requirements?		
7	**Product Realization**		
7.1	**Planning of Product Realization**		
	Are the processes needed for product realization planned and managed?		
	Is planning of product realization consistent with the requirements of other processes of the quality management system?		
	In planning for product realization, does the organization determine, as appropriate:		
	a) Quality objectives and requirements for the product?		
	b) The need to establish processes and documents, and to provide resources specific to the product?		
	c) The required verification, validation, monitoring, measurement, inspection and test activities specific to the product and the criteria for product acceptance?		
	d) The records needed to provide evidence that the realization processes and resulting product meet requirements?		
	Is the output of the product realization planning process in a form that is suitable for the organization’s method of operation?		

7.2	**Customer Related Processes**		
7.2.1	**Determination of Requirements Related to the Product**		
	Has the organization determined:		
	a) Requirements specified by the customer, including requirements for delivery and post-delivery activities (such as actions under warranty, maintenance services, recycling or final disposal)?		
	b) Requirements not stated by the customer but necessary for intended use, where known?		
	c) Statutory and regulatory requirements applicable to the product?		
	d) Any additional requirements considered necessary by the organization?		
7.2.2	**Review of Requirements Related to the Product**		
	Are requirements related to the product reviewed prior to the commitment to supply the product to a customer?		
	Does the review ensure that:		
	a) Product requirements are defined?		
	b) Contract or order requirements differing from those previously expressed are resolved?		
	c) The organization has the ability to meet the defined requirements?		
	When a formal review is impractical for each order (such as internet orders) does the review cover available relevant product information, such as catalogs or advertising materials?		
	Are records of the results of the review and actions arising from the review maintained?		
	When the customer provides no documented statement of requirement, does the organization confirm customer requirements before acceptance?		
	Is relevant documentation amended when product requirements are changed?		
	Are relevant personnel made aware of changed requirements?		
7.2.3	**Customer Communication**		
	Has the organization determined and implemented effective arrangements for communicating with customers in relation to:		
	a) Product information?		
	b) Enquiries, contracts or order handling, including amendments?		
	c) Customer feedback, including customer complaints?		

7.3	**Design and Development**		
7.3.1	**Design and Development Planning**		
	Is the design and development of product planned and controlled?		
	Are the following determined during the design and development planning:		
	a) The design and development stages?		
	b) The review, verification and validation that is appropriate to each design and development stage?		
	c) The responsibilities and authorities for design and development?		
	Is the interface between different groups involved in design and development managed to ensure effective communication and clear assignment of responsibility?		
	Is the planning output updated, as appropriate, as the design and development progresses?		
7.3.2	**Design and Development Inputs**		
	Are inputs relating to product requirements determined and records maintained?		
	Do these inputs include:		
	a) Functional and performance requirements?		
	b) Applicable statutory and regulatory requirements?		
	c) Where applicable, information derived from previous similar designs?		
	d) Other requirements essential for design and development?		
	Are the design and development inputs reviewed for adequacy?		
	Are the design and development inputs complete, unambiguous and not in conflict with each other?		
7.3.3	**Design and Development Outputs**		
	Are the outputs of design and development documented in a form suitable for verification against the design and development inputs?		
	Are these design and development output documents approved prior to release?		
	Do design and development outputs:		
	a) Meet the design and development input requirements?		
	b) Provide appropriate information for purchasing, production and service provision?		
	c) Contain or reference product acceptance criteria?		
	d) Specify the characteristics of the product that are essential for its safe and proper use including, where appropriate, details for the preservation of the product?		

7.3.4	**Design and Development Review**		
	Are systematic reviews of design and development performed in accordance with planned arrangements at suitable stages?		
	Do these reviews:		
	a) Evaluate the ability of the results of design and development to meet requirements?		
	b) Identify any problems and propose necessary actions?		
	Do participants in such reviews include representatives of functions concerned with the design and development stage(s) being reviewed?		
	Are records of the results of the reviews and any necessary actions maintained?		
7.3.5	**Design and Development Verification**		
	Is verification performed in accordance with planned arrangements to ensure the design and development outputs have met the design and development input requirements?		
	Are records of the results of the verification and any necessary actions maintained?		
7.3.6	**Design and Development Validation**		
	Is design and development validation performed in accordance with planned arrangements to ensure that the resulting product is capable of meeting the requirements for the specified application or intended use?		
	Wherever practical, is validation completed prior to the delivery or implementation of the product?		
	Are records of the results of the validation and any necessary actions maintained?		
7.3.7	**Control of Design and Development Changes**		
	Are design and development changes identified and records maintained?		
	Are changes reviewed, verified and validated, as appropriate, and approved before implementation?		
	Does the review of the design and development changes include evaluation of the effect of the changes on constituent parts and product already delivered?		
	Are records of the results of the review of changes and any necessary actions maintained?		

7.4	**Purchasing**		
7.4.1	**Purchasing Process**		
	Does the organization ensure that purchased product conforms to specified purchase requirements?		
	Is the type and extent of control applied to the supplier and the purchased product dependent upon the effect of the purchased product on subsequent product realization or the final product?		
	Are suppliers evaluated and selected based on their ability to supply product in accordance with the organization's requirements?		
	Are criteria for selection, evaluation and re-evaluation established?		
	Are records of the results of evaluations and any necessary actions arising from the evaluations maintained?		
7.4.2	**Purchasing Information**		
	Does purchasing information describe the product to be purchased?		
	Where appropriate, does this information include:		
	a) Requirements for approval of product, procedures, processes and equipment?		
	b) Requirements for qualification of personnel?		
	c) Quality management system requirements?		
	Is the adequacy of specified purchase requirements ensured prior to their communication to the supplier?		
7.4.3	**Verification of Purchased Product**		
	Have inspections or other activities necessary for ensuring that purchased product meets specified purchase requirements been established and implemented?		
	Are the intended verification arrangements and method of product release stated in the purchasing information when verification is intended to be performed at the supplier's premises?		
7.5	**Production and Service Provision**		
7.5.1	**Control of Production and Service Provision**		
	Is production and service provision planned and carried out under controlled conditions, including as applicable:		
	a) The availability of information that describes the characteristics of the product?		
	b) The availability of work instructions, as necessary?		
	c) The use of suitable equipment?		
	d) The availability and use of monitoring and measuring equipment?		
	e) The implementation of monitoring and measurement activities?		
	f) The implementation of product release, delivery, and post-delivery activities?		

7.5.2	**Validation of Processes for Production and Service Provision**		
	Are processes for production and service provision validated when the resulting output cannot be verified by subsequent monitoring or measurement?		
	Does this validation include processes where deficiencies become apparent only after the product is in use or the service has been delivered?		
	Does validation demonstrate the ability of these processes to achieve planned results?		
	Are arrangements for these processes established including, as applicable:		
	a) Defined criteria for review and approval of the processes?		
	b) Approval of equipment and qualification of personnel?		
	c) Use of specific methods and procedures?		
	d) Requirements for records?		
	e) Revalidation?		
7.5.3	**Identification and Traceability**		
	Where appropriate, is product identified by suitable means throughout product realization?		
	Is the product status with respect to monitoring and measurement requirements identified throughout product realization?		
	Where traceability is a requirement, is the unique identification of the product controlled and records maintained**?**		
7.5.4	**Customer Property**		
	Is care exercised with customer property, including intellectual property and personal data, while it is under the organization's control or being used by the organization?		
	Is customer property provided for use or incorporation into the product identified, verified, protected and safeguarded?		
	Is the customer notified and are records maintained if any customer property is lost, damaged, or otherwise found to be unsuitable for use?		
7.5.5	**Preservation of Product**		
	Is the product, including constituent parts, preserved during internal processing and delivery to the intended destination in order to maintain conformance to requirements?		
	Does this preservation include, as applicable, identification, handling, packaging, storage, and protection?		

7.6	**Control of Monitoring and Measuring Equipment**		
	Has the monitoring and measurement that will be undertaken been determined?		
	Has the monitoring and measuring equipment needed to provide evidence of conformance of product to identified requirements been determined?		
	Have processes been established to ensure that monitoring and measurement can be carried out, and are carried out, in a manner that is consistent with the monitoring and measurement requirements?		
	Where necessary to ensure valid results, is measuring equipment:		
	a) Calibrated or verified, or both, at specified intervals, or prior to use, against measurement standards traceable to international or national measurement standards? Where no such traceable standards exist, is the basis used for calibration or verification recorded?		
	b) Adjusted and re-adjusted, as necessary?		
	c) Identified in order to determine its calibration status?		
	d) Safeguarded from adjustments that would invalidate the measurement results?		
	e) Protected from damage and deterioration during handling, maintenance, and storage?		
	When equipment is found to be nonconforming to requirements, is the validity of previous measuring results assessed and recorded?		
	Are appropriate corrective actions taken on the equipment and any product when the equipment is found to be nonconforming to requirements?		
	Are records of the results of calibration and verification maintained?		
	Has the ability of computer software used in the monitoring and measuring of specified requirements been confirmed prior to use and reconfirmed, as necessary?		
	Does this confirmation of computer software include configuration management in order to maintain it suitability for use?		
8	**Measurement, Analysis and Improvement**		
8.1	**General**		
	Have the monitoring, measurement, analysis and improvement processes been planned and implemented in order to:		
	a) Demonstrate conformity to product requirements?		
	b) Ensure conformity of the quality management system?		
	c) Continually improve the effectiveness of the quality management system?		
	Does the planning and implementation include the determination of applicable methods, including statistical techniques, and the extent of their use?		

8.2	**Monitoring and Measurement**		
8.2.1	**Customer Satisfaction**		
	Is information relating to customer perception monitored to determine whether customer requirements have been met?		
	Is this information used as one of the measurements of performance of the quality management system?		
	Have the methods for obtaining and using this information been determined?		
	Does the monitoring of customer perception include obtaining input from such sources as:		
	a) Customer satisfaction surveys?		
	b) Customer data on delivered product quality?		
	c) User opinion surveys?		
	d) Lost business analysis?		
	e) Compliments?		
	f) Warranty claims?		
	g) Dealer reports?		
8.2.2	**Internal Audit**		
	Are internal audits conducted at planned intervals to determine whether the quality management system:		
	a) Conforms to the planned arrangements, to the requirements of the ISO 9001:2008 standard and to the quality management system requirements?		
	b) Is effectively implemented and maintained?		
	Are internal audits planned, taking into consideration the status and importance of the processes and areas to be audited, as well as the results of previous audits?		
	Are the audit criteria, scope, frequency and method defined?		
	Are auditors selected and audits conducted in order to ensure the objectivity and impartiality of the audit process?		
	Are audits conducted by personnel other than those who performed the activity being audited?		
	Has a documented procedure been established to define the responsibilities and requirements for planning and conducting audits, establishing records and reporting results?		
	Are records of the audits and their results maintained?		
	Does management responsible for the area being audited ensure that any necessary corrections and corrective actions are taken without undue delay to eliminate any detected nonconformities and their causes?		
	Do follow-up activities include the verification of the actions taken and the reporting of verification results?		

8.2.3	**Monitoring and Measurement of Processes**		
	Are suitable methods applied for monitoring and, where applicable, measurement of the quality management system processes?		
	Do these methods demonstrate the ability of the processes to achieve planed results?		
	When planned results are not achieved, are corrections and corrective actions taken, as appropriate?		
	Is the type and extent of monitoring or measurement appropriate to each of the quality management system processes and their impact on the conformance to product requirements and on the effectiveness of the quality management system?		
8.2.4	**Monitoring and Measurement of Product**		
	Are characteristics of the product monitored and measured to verify that product requirements have been met?		
	Is this carried out at appropriate stages of the product realization process in accordance with planned arrangements?		
	Is evidence of conformity with the acceptance criteria maintained?		
	Do records indicate the person(s) authorizing release of the product for delivery to the customer?		
	Is the release of product and service delivery withheld until the planned arrangements have been satisfactorily completed, unless otherwise approved by a relevant authority and, where applicable, by the customer?		
8.3	**Control of Nonconforming Product**		
	Is product which does not conform to product requirements identified and controlled to prevent its unintended use or delivery?		
	Has a documented procedure been established to define the controls and related responsibilities and authorities for dealing with nonconforming product?		
	Where applicable, is nonconforming product dealt with in one or more of the following ways:		
	a) By taking action to eliminate the detected nonconformity?		
	b) By authorizing its use, release or acceptance under concession by a relevant authority and, where applicable, by the customer?		
	c) By taking action to preclude its original intended use or application?		
	d) By taking action appropriate to the effects, or potential effects, of the nonconformity when nonconforming product is detected after delivery or use has started?		
	When nonconforming product is corrected, is it subject to re-verification to demonstrate conformity to requirements?		
	Are records maintained of the nature of nonconformities and any subsequent actions taken, including concessions obtained?		

8.4	**Analysis of Data**		
	Is appropriate data determined, collected and analyzed to demonstrate the suitability and effectiveness of the quality management system?		
	Is appropriate data determined, collected and analyzed to evaluate where continual improvement of the effectiveness of the quality management system can be made?		
	Does this include data generated as a result of monitoring and measurement and also from other relevant sources?		
	Does the analysis of data provide information relating to:		
	a) Customer satisfaction?		
	b) Conformity to product requirements?		
	c) Characteristics and trends of processes and products including opportunities for preventive action?		
	d) Suppliers?		
8.5	**Improvement**		
8.5.1	**Continual Improvement**		
	Is the effectiveness of the quality management system continually improved through the use of		
	a) The quality policy?		
	b) Quality objectives?		
	c) Audit results?		
	d) Analysis of data?		
	e) Corrective and preventive action?		
	f) Management review?		
8.5.2	**Corrective Action**		
	Are corrective actions taken to eliminate the causes of nonconformities in order to prevent recurrence?		
	Are corrective actions appropriate to the effects of the nonconformities encountered?		
	Has a documented procedure been established to define the requirements for:		
	a) Reviewing nonconformities (including customer complaints)?		
	b) Determining the causes of nonconformities?		
	c) Evaluating the need for action to ensure that nonconformities do not recur?		
	d) Determining and implementing action needed?		
	e) Records of the results of action taken?		
	f) Reviewing the effectiveness of the corrective action taken?		

8.5.3	**Preventive Action**		
	Are actions determined to eliminate the causes of potential nonconformities in order to prevent their occurrence?		
	Are preventive actions appropriate to the effects of the potential problems?		
	Has a documented procedure been established to define the requirements for:		
	a) Determining potential nonconformities and their causes?		
	b) Evaluating the need for action to prevent occurrence of nonconformities?		
	c) Determining and implementing action needed?		
	d) Records of results of action taken?		
	e) Reviewing the effectiveness of the preventive action taken?		

Annex A (informative) Differences between JESD670A and EIA670

This Annex briefly describes most of the changes made to entries that appear in this standard, JESD670A, compared to its predecessor, EIA670 (June 1997).

Clause	Description of change
Intro	Updated
2	Normative References updated to be current.
3	Terms and definitions clause added
4	Checklist updated

Overall format changed to bring up to date according to JM7, JEDEC Style Manual.

Standard Improvement Form JEDEC JESD670A

The purpose of this form is to provide the Technical Committees of JEDEC with input from the industry regarding usage of the subject standard. Individuals or companies are invited to submit comments to JEDEC. All comments will be collected and dispersed to the appropriate committee(s).

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1. I recommend changes to the following:

☐ Requirement, clause number _____

☐ Test method number _____ Clause number _____

The referenced clause number has proven to be:

☐ Unclear ☐ Too Rigid ☐ In Error

☐ Other _____

2. Recommendations for correction:

_____

_____

_____

_____

3. Other suggestions for document improvement:

_____

_____

_____

_____

Submitted by

Name: _____ Phone: _____

Company: _____ E-mail: _____

Address: _____

City/State/Zip: _____ Date: _____


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