INTERNATIONALQCELECTROTECHNICAL080000COMMISSION(IECQ HSPM)

Second edition 2005-10

IEC Quality Assessment System for Electronic Components (IECQ) –

Electrical and Electronic Components and Products Hazardous Substance Process Management System Requirements (HSPM)



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

Electrical and Electronic Components and Products Hazardous Substance Process Management System Requirements (HSPM)

FOREWORD

This IECQ Specification and its requirements are based on the belief that the achievement of Hazardous Substance Free (HSF) products and production processes cannot be realized without an effective integration of management disciplines. This Specification is a supplement to and exists in concert with the ISO 9001-2000 Quality Management System (QMS) framework for the comprehensive, systematic, and transparent management and control of processes pursuant to HSF goals. This document is based on the EIA/ECCB Standard 954 *Electrical and Electronic Components and Products Hazardous Substance Free Standard and Requirements* to serve as guidance for manufacturers in the fulfillment of HSF and customer requirements which may include regulatory requirements such as Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) and Directive 2002/96/EC of the European Parliament and of the Council of 27 January 2003 on Waste Electrical and Electronic Equipment (WEEE).

Note:

Legislation exists or is pending in a number of jurisdictions around the world that will require the elimination of a specified list of hazardous substances (NS), including lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), and polybrominated diphenyl ethers (PBDE) from a wide range of products. As a result, producers and users of electrical and electronic components must be able to know that their products either are hazardous substance free (HSF), or, if the products are not HSF, the quantitative amounts of HS that are present.

The processes used to identify, control, quantify, and report the HS content in an electrical or electronic component, or an element thereof, must be defined and understood in sufficient detail to assure all concerned parties of the HSF statue of a product. The processes must be appropriately documented and conducted in a controlled and consistent manner, to facilitate verification of compliance to applicable requirements and regulations; to allow efficient and effective compliance checks; that it can be implemented by producers and users in many different locations; and to allow harmonization of compliance and enforcement methods. Above all, they must minimize technical partiers to the trade of products around the world.

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0 Introduction

This Specification is intended for use by:

- 1. manufacturers, suppliers, repairers, and maintainers of products to develop processes to identify, control, quantify, and report the amounts of HS in the products they manufacture or supply; and
- 2. customers and users of the products to know the HSF status of a product, and to understand the processes by which it is determined.

1 Scope

This Specification defines the requirements for establishing processes to identify and control the introduction of hazardous substances (HS) into its products. In the event that hazardous substances are introduced into the products, this Specification defines the requirements for implementing processes to test, analyze, or otherwise ascertain the HS content, and to make it available to the customer. Documented processes shall be within the organization's business and quality management systems.

The requirements of this Specification are in addition to those contained within ISO 9001.

2 Normative References

ISO 9001:2000, Quality Management Systems - Requirements

ISO 10005:1995, Quality Management – Guidelines for quality plans

ISO 10006:1997, Quality management - Guidelines to quality in project management

ISO 19011, Guidelines on quality and/or environmental management systems auditing

IEC QC 001002-3, Rules of Procedure, Part 3: Approval procedures

AS 9100, Quality Systems Aerospace Model for Quality Assurance in Design, Development, Production, Installation and Servicing

TL 9000 Quality Management System (QMS) Requirements

ISO 13485 Médical devices — Quality management systems — System requirements for regulatory purposes