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# IECQ QC 080000

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CONSOLIDATED VERSION

# IECQ PUBLICATION



**IEC Quality Assessment System for Electronic Components (IECQ System)**

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**Hazardous Substance Process Management (HSPM) System Requirements**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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# Hazardous Substance Process Management (HSPM) System Requirements

## FOREWORD

This publication has been prepared by the Management Committee (MC) of the IECQ.

This publication is directly related to Publication IECQ 03-5 containing the Rules of Procedure for the IECQ HSPM Scheme.

This IECQ International Specification (here after known as International 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 International Specification is a supplement to and exists in concert with the ISO 9001 Quality Management System (QMS) framework for the comprehensive, systematic, and transparent management and control of processes pursuant to HSF goals.

This consolidated version of the official IECQ Specification and its amendment has been prepared for user convenience.

IECQ QC 080000 edition 4.1 contains the fourth edition (2017-05) [document IECQ MC/344D/CA] and its amendment 1 (2020-03) [documents IECQ MC/419/CA, IECQ MC/441/MR and IECQ TN 022].

In this Redline version, a vertical line in the margin shows where the technical content is modified by amendment 1. Additions and deletions are displayed in red, with deletions being struck through.

The 4<sup>th</sup> edition of IECQ QC 080000 was prepared in response to feedback from application of the 3<sup>rd</sup> edition. Changes included in the 4<sup>th</sup> edition include:

- alignment with ISO 9001:2015;
- adoption of ISO Annex SL High Level Structure;
- adapt to global increasing hazardous substances legislation. For example, additional controlled substances, change control, product recall, as specified by the REACH<sup>1</sup> regulation, the information communication within the supply chain, and notification to ECHA<sup>2</sup> about SVHC<sup>3</sup>;
- enhancement of documented information requirements in response to the applicable statutory and regulatory obligations. For example, requirements in the re-casted RoHS<sup>4</sup> such as compliance assessment, preparation of technical file, preparation of self-declaration, use of markings, etc. can now be managed through IECQ QC 080000.

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<sup>1</sup> REACH: Registration, Evaluation, Authorization and Restriction of Chemicals

<sup>2</sup> ECHA: European Chemicals Agency

<sup>3</sup> SVHC: Substances of Very High Concern

<sup>4</sup> RoHS: Restriction of Hazardous Substances

IECQ QC 080000 specifies how organizations establish and implement key processes to manage their hazardous substances other than focusing on the removal and avoiding restricted substances in products.

The processes used to identify, control, quantify, and report the HS content in electrotechnical products, or their components thereof, must be defined and understood in sufficient detail to assure all relevant interested parties of the HSF status of a product. The processes must be appropriately documented and conducted in a controlled and consistent manner to:

- facilitate verification of compliance to applicable customer requirements and regulations;
- allow efficient and effective compliance checks;
- facilitate the consistent deployment across organizations and their supply chain
- allow harmonization of compliance and enforcement methods.

As a result, the technical barriers to trade of products around the world is minimized.

The fourth edition of IECQ QC 080000 replaced the third edition upon its publication in 2017.

The text of this publication is based on the following documents:

<b>Document</b>	<b>Report on MC Consultation</b>
IECQ MC/344D/CA	Feb+Mar 2017
IECQ MC/419/CA	IECQ MC/441/MR

# Hazardous Substance Process Management (HSPM) System Requirements

## 1 Scope

### 1.1 General

This International Specification is intended for use by:

- manufacturers, suppliers, repairers, maintainers and service providers (and their supply chain) of electrotechnical component products to develop processes to identify, control, quantify, and report the amounts of HS in the products they manufacture, supply or service;
- customers and users of the products to know the HSF status of a product, and to understand the processes by which it is determined.

This International Specification defines the requirements for establishing, implementing, monitoring and continually improving processes to:

- identify HS of the products and processes;
- determine (test, analyse, or otherwise ascertain) the HSF status of products;
- control the introduction of HS into products;
- make available the degree of HS compliance of delivered products to the customer, where the HS content exceeds the applicable customer and regulatory requirements.

It is important that HS process management is part of, and integrated with, the organization's overall business and quality management systems.

### 1.2 Application

This International Specification is applicable only to organizations that have implemented ISO 9001:2015 or its full equivalent QMS standard.

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

While in ISO 9001:2015 an organization may claim a clause as non-applicable, within the IECQ HSPM Scheme all requirements within this International Specification are applicable.

Organizations wishing to pursue certification under the IECQ HSPM Scheme shall comply with ISO 9001:2015 and this International Specification, including one or more Annex(es). The applicability of the Annex(es) shall be consistent with the IECQ HSPM Scope of Certification.

Organizations in sectors other than those specified in 1.1 may also adopt this International Specification for the management of HS; however, certification under the IEC Conformity Assessment Systems is not available.

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IECQ 03-1, *Rules of Procedure – Part 1: General Requirements for all IECQ Schemes*

IECQ QC 080000:2017+ – 7 –  
IECQ TN022:2020 CSV © IEC 2022(EN)

IECQ 03-5, *Rules of Procedure – Part 5: IECQ HSPM Scheme – Hazardous Substance Process Management Requirements*

ISO 9000: 2015, *Quality management systems – Fundamentals and vocabulary*

ISO 9001:2015, *Quality management systems – Requirements*

RoHS, *Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the Restriction of the use of certain Hazardous Substances in electrical and electronic equipment*

China RoHS 2, 2016-01-21, *Management Methods for the Restriction of the Use of Hazardous Substances in Electrical and Electronic Products*