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IECQ PUBLICATION

IEC Quality Assessment System for Electronic Components (IECQ Scheme)

**Rules of Procedure –
Part 4: IECQ ECMP Scheme – Avionics Assessment Program Requirements**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

PRICE CODE

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Program Requirements**

FOREWORD

This publication has been prepared by the Management Committee (MC) of the IEC Quality Assessment System for Electronic Components (IECQ).

Although developed for Electronic Components Management Plan (ECMP), this publication may serve as a model for other areas with similar ECMP considerations.

This first edition of IECQ 03-4 replaces the second edition QC 001002-4 (2009-02). Main changes to the third edition include:

- Restructure of the IECQ System and Scheme documentation management system.

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

Document	Report on MC Consultation
IECQ MC/186B/CA	IECQ MC/206/DL

Full information on the report of MC approval of this publication can be found in the report indicated in the above table.

INTRODUCTION

Taking into account the object of the International Electrotechnical Commission (IEC) as given in Article 2 of the Statutes, the particular object of the IECQ System, operated in conformity with the Statutes and under the authority of the IEC, is to facilitate international trade in electronic components of assessed quality, by providing a global framework for independent assessment and certification.

The object is achieved by the implementation of quality assessment procedures in such a manner that organizations, processes, and components certified as conforming to the requirements of an applicable standard or specification, are acceptable to all participants.

The IECQ System provides manufacturers with a “Supply chain verification tool” for seeking assurance that electronic components, assemblies, processes and related materials conform to declared technical Standards and Specifications.

The IECQ ECMP Avionics Assessment Program Requirements are designed to evaluate commercial, military and aerospace (avionics) equipment manufacturers’ and related organizations’ processes for compliance with IEC/TS 62239 Electronic Component Management Plans (ECMP) and/or GEIA/ANSI 4899 Standard for preparing an Electronic component Management Plan. The avionics industry requirements allow the use of either IEC/TS 62239 or GEIA 4899 at the option of the OEM. Such plans are used to develop, document, and implement plan owners’ processes for managing the selection and use of electronic components in avionics equipment. Concerned parties may elect not to implement all elements of IEC/TS 62239 or GEIA/ANSI 4899, according to the justifications allowed in that document, in which situation the IECQ assessment and Certificate of Approval will be limited to those elements actually implemented.

The assessment is to be conducted in accordance with the requirements of IEC/TS 62239 and/or GEIA/ANSI 4899. Neither of these specifications imposes a requirement on the entity being assessed to have ISO 9001 and/or AS 9100 approval. In addition, both these Standards are specifically intended to exclude the component manufacturers from their scope. The assessment will be conducted under IECQ basic rules, rules of procedure and policies, the assessment itself will specifically address the requirements of IEC/TS 62239 and/or GEIA/ANSI 4899 and any additional customer requirements.

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Rules of Procedure –

Part 4: IECQ ECMP Scheme – Avionics Assessment Program Requirements

1 Scope & Application

This publication contains the Rules of Procedure of the Scheme of the IECQ, hereinafter referred to as the "Rules", for the ECMP Avionics Assessment Program Requirements Scheme (IECQ ECMP Scheme).

This IECQ ECMP Rules of Procedure provides the requirements specific to this scheme and is to be used in conjunction with applicable IECQ System management Basic Rules (IECQ 01), General Rules of Procedures (IECQ 03-1) and Operating Documents as listed in Clause 2 below, as applicable.

In the event of conflict between the provisions of these rules of procedures and any other requirements contained in referenced documents, the requirements of these rules of procedure and IEC/TS 62239 and/or GEIA/ANSI 4899 shall apply.

2 Normative references

The following publications contain provisions, which, through reference in this text, constitute provisions of these Rules. At the time of publication, the editions indicated were valid. The IECQ Management Committee shall decide the timetable for the introduction of revised editions of the publications for the IECQ publications.

The IECQ basic rules and procedures proscribed in the following documentation shall be used for the ECMP assessments where applicable.

Nothing in these rules and procedures will be considered justification for conducting any or all of an ISO 9001 or AS9100 requirement assessment on the entity being assessed as part of an IECQ ECMP assessment. In the event of conflict between the provisions of this document and any other directly or indirectly referenced provisions, the provisions of this document shall take precedence.

In the event of conflict between the provisions of this document and any other directly or indirectly referenced provisions, the provisions of this document and IEC/TS 62239 and/or GEIA/ANSI 4899 apply.

IECQ 01, IEC Quality Assessment System for Electronic Components (IECQ System) – Basic Rules

IECQ 02, General Requirements for the Acceptance of IECQ Certification Bodies into the IECQ System

IECQ 03-1, General Requirements for all IECQ Schemes

IECQ OD 701, Principles for the Implementation of an ECMP Plan

IECQ OD 702, ECMP Assessment – Evidence of Compliance Summary and Assessment Reporting form

IECQ OD 703, Assessment Procedures for Acceptance of Candidate Electronic Component Management Plan (ECMP) Subject Matter Experts (SMEs) in the IECQ System

IECQ OD 704, Witness Assessment of IECQ ECMP Assessors

ISO/IEC 17025, General requirements for the competence of testing and calibration laboratories

IEC/TS 62239, Process management for avionics – Preparation of an electronic components management plan

GEIA/ANSI 4899, Standard for Preparing an Electronic Components Management Plan