IEC Quality Assessment System for Electronic Components (IECQ System)

Rules of Procedure –
Part 7: IECQ Counterfeit Avoidance Programme (IECQ AP-CAP) – Programme requirements
IECQ OPERATIONAL DOCUMENT

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Rules of Procedure –
Part 7: IECQ Counterfeit Avoidance Programme (IECQ AP-CAP) – Programme requirements
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

Rules of Procedure –
Part 7: IECQ Counterfeit Avoidance Programme (IECQ AP-CAP) –
Programme requirements

FOREWORD

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

This programme is for use by all organizations that design products, manufacture, sell/distribute and/or purchase components where fraudulent/counterfeit materials, processes and/or components may negatively affect the outcomes.

IECQ CAP requirements and resulting certification based on SAE AS5553 and/or IEC TS 62668-1, and/or SAE AS6081, and/or IECQ OD 3702 provide an effective international certification programme for all industry sectors, including Aerospace, Defence, and High Performance (ADHP) electronic components.

This publication is directly related to the IECQ System management Basic Rules contained in publications (IEC CA 01 + IECQ 01-S), IEC Harmonised Basic Rules (IEC CA 01) plus the IECQ Supplement (IECQ 01-S).

This editorial edition 2.1 of IECQ 03-7 replaces the second edition IECQ 03-7. Main changes to this edition include:

– Includes align with the newly introduced IEC CA 01, IEC Harmonised Basic Rules Edition 2.0.
– Update all references to the former IECQ 01 document which is now replaced by combined documents known as IECQ System management Basic Rules (IEC CA 01 + IECQ 01-S), IEC Harmonised Basic Rules (IEC CA 01) plus the IECQ Supplement (IECQ 01-S)
– Update Normative references with IEC policy

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

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

Taking into account the object of the IEC (International Electrotechnical Commission) 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 CAP requirements are designed to evaluate equipment manufacturers’ and related organizations’ processes for compliance with SAE AS5553, Counterfeit Electronic Parts: Avoidance, Detection, Mitigation, and Disposition, and/or IEC TS 62668-1, Process management for avionics – Counterfeit prevention – Part 1: Avoiding the use of counterfeit, fraudulent and recycled electronic components, and/or SAE AS6081, Fraudulent/Counterfeit Electronic Parts: Avoidance, Detection, Mitigation, and Disposition – Distributors. Such plans are used to develop, document, and implement plan owners’ processes for managing the selection and use of electronic components in equipment. The assessment is to be conducted in accordance with the requirements of SAE AS5553 and/or IEC TS 62668-1, and/or SAE AS6081. The referenced Standards do not require further assessment or counterfeit avoidance management planning for original component manufacturers. The assessment will be conducted under IECQ Basic Rules, Rules of Procedure and policies; the assessment itself will specifically address the requirements of SAE AS5553 and/or IEC TS 62668-1, and/or SAE AS6081 and any additional customer requirements.

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Rules of Procedure –
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Programme requirements

1 Scope and application

This publication contains the Rules of Procedure of the Certification Programme of the IECQ System, hereinafter referred to as the "Rules", for Counterfeit Avoidance, Detection, Mitigation, and Disposition programme (IECQ AP-CAP or IECQ CAP).

This IECQ CAP Rules of Procedure provides the requirements specific to this programme of the IECQ Approved Process Scheme and is to be used in conjunction with applicable IECQ System management Basic Rules (IEC CA 01 + IECQ 01-S), General Rules of Procedures (IECQ 03-1) and Operational Documents (OD) as listed in normative references Clause 2.

In the event of conflict between the provisions of these Rules of Procedure and any other requirements contained in referenced normative documents, the requirements of these Rules of Procedure shall apply.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. The IECQ Management Committee shall decide the timetable for the introduction of revised editions of the documents. For undated references, the latest edition of the referenced document (including any amendments) applies.

The IECQ System management Basic Rules and Procedures prescribed in the following documentation shall be used for the IECQ CAP assessments where applicable.

IEC CA 01, IEC Conformity Assessment Systems – Basic Rules

IECQ 01-S, IECQ Supplement to Harmonized Basic Rules IEC CA 01

IECQ 02, General requirements for the acceptance of IECQ Certification Bodies into the IECQ System

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

IECQ OD 010, Qualification criteria for Assessors and Lead Assessors according to IECQ (third-party assessment)

IECQ OD 3702, IECQ Counterfeit Avoidance Programme (IECQ CAP) assessment, evidence of compliance, summary and assessment reporting form – Anti-counterfeit traceability audit for any industry segment

IECQ OD 3706-1, IECQ Counterfeit Avoidance Programme (IECQ CAP) assessment, evidence of compliance summary and assessment reporting form (SAE AS5553A and/or IEC TS 62668-1)

IECQ OD 3706-2, IECQ Counterfeit Avoidance Programme (IECQ CAP) assessment, evidence of compliance summary and assessment reporting form (SAE AS6081)