IEC Quality Assessment System for Electronic Components (IECQ System)

Rules of Procedure –
Part 3-1: IECQ Approved Component Products, Related Materials & Assemblies Scheme, IECQ Approved Component –Technology Certification (IECQ AC-TC)
IEC Quality Assessment System for Electronic Components (IECQ System)

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CONTENTS

INTRODUCTION ........................................................................................................... 5

1 Scope ......................................................................................................................... 6

2 Normative references ............................................................................................... 6

3 Terms and Definitions .............................................................................................. 7

4 Governing of the IECQ Scheme ............................................................................... 8

5 Principles of IECQ Approved Component – Technology Certification ....................... 8

6 Organization structure .............................................................................................. 8

6.1 Management responsibility .................................................................................. 8

6.2 Operational infrastructure .................................................................................... 9

6.2.1 Technology Review Board (TRB) ................................................................. 9

6.2.2 Technical decision-making ............................................................................ 9

7 IECQ Approved Technology Certification, Documentation Requirements ..................... 9

7.1 IECQ Approved Component – Technology Certificate for an Organization ... 9

7.1.1 IECQ Approved Component – Technology Certificate Content ................. 9

7.2 Technology Approval Declaration Document (TADD) .......................................... 10

7.2.1 Purpose of the TADD ............................................................................... 10

7.2.2 General requirements ................................................................................. 10

7.3 Content of the TADD ....................................................................................... 11

7.3.1 Introductory pages ..................................................................................... 11

7.3.2 Main text: The following subjects shall be addressed in the main text of the TADD ........................................................................... 11

7.3.3 Flow Chart ................................................................................................. 14

7.3.4 Flow Chart ................................................................................................. 15

7.4 Product documentation – Contractual specifications .............................................. 16

8 IECQ Approved Technology Certification procedure ................................................ 16

8.1 General ............................................................................................................... 16

8.2 Application ......................................................................................................... 16

8.2.1 Submission of the TADD ........................................................................ 16

8.2.2 Acquisition of results .............................................................................. 16

8.2.3 Internal audits ........................................................................................... 16

8.2.4 Statement of readiness ............................................................................. 16

8.3 IECQ CB Assessment Team for AC-TC Assessment .............................................. 17

8.4 Verification ....................................................................................................... 17

8.4.1 Verification of process in accordance with the TADD ............................. 17

8.4.2 Process capability verification .................................................................. 17

8.4.3 Control of internal and external interfaces .............................................. 17

8.4.4 Demonstration plan .................................................................................. 18

8.5 Validation ........................................................................................................ 18

8.5.1 Validation of TADD implementation ....................................................... 18

8.5.2 Examination of internal audit data ........................................................... 18

8.5.3 Proposal for issue of AC-TC validation .................................................... 18

8.5.4 Execution of the demonstration plan ......................................................... 18

8.5.5 Examination of demonstration data ........................................................... 18

8.6 Completion (Granting of Certification) ................................................................ 18
8.7 Surveillance
  8.7.1 Normal frequency of surveillance
  8.7.2 Reduced frequency of surveillance
  8.7.3 Suspension of reduced frequency of surveillance

8.8 Ensuring conformity
  8.8.1 Organization’s documentation
  8.8.2 Manufacturer/IECQ CB periodic review
  8.8.3 Re-declaration of conformance

8.9 Suspension or Cancellation (withdrawal)

8.10 Reinstatement of IECQ Approved Component – Technology Certificate

8.11 Changes
  8.11.1 Changes to the overall quality plan
  8.11.2 Changes to the design/manufacturing information

8.12 Use of Subcontracting

8.13 Incorporated components

8.14 Release of certified products
  8.14.1 Attestation of Conformity
  8.14.2 Release for delivery prior to certification

Annex A (informative) IECQ Approved Component – Technology Certification,
Application Form

Annex B (informative) IECQ Approved Component – Technology Certification,
Assessment Statement of Readiness and Organization Declaration Form
INTERNATIONAL ELECTROTECHNICAL COMMISSION

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FOREWORD

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

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 part IECQ 03-3-1 sets out the requirements for IECQ Approved Component – Technology Certification previously contained in IECQ QC001002-3_2005 section 6.

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

<table>
<thead>
<tr>
<th>Document</th>
<th>Report on MC Consultation</th>
</tr>
</thead>
<tbody>
<tr>
<td>IECQ MC/250/CA</td>
<td>IECQ MC/373/R</td>
</tr>
</tbody>
</table>

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

In support of the previously operated scheme Technology Approval the following section has been provided to highlight the particular requirements for its implementation under this IECQ Approved Component Scheme of the IECQ System as IECQ Approved Component – Technology Certification.

Technology Certification is a method of certifying a complete technological process (design, process realization, product manufacture, test and shipment) covering the certification aspects common to all products as determined by the technology under consideration. It extends the existing suite of IECQ certification concepts by adding the following principles as mandatory aspects of Technology Certification:

- the foundation of Technology Certification is a formal system for quality management, within the organization. This requires that all employees are actively involved in the commitment to quality;
- the use of in-process control methods (of which Statistical Process Control (SPC) is an example) as defined in a Technology Approval Schedule (TAS) and tools to demonstrate adequate control of processes and products. A programme shall be in operation at the initial certification to this programme;
- continuous quality improvement strategy and its demonstration;
- monitoring the overall technologies and operations associated with the design and manufacturing processes as well as the components themselves;
- procedural flexibility due to the certification being based on a company’s own quality assurance management system and market sector requirements;
- the acceptance of an organization’s operational documentation to provide a means for rapid certification or extension of certification.
Rules of Procedure –
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IECQ Approved Component – Technology Certification (IECQ AC-TC)

1 Scope

This publication contains the Rules of Procedure of the Technology Certification of the IECQ System, hereinafter referred to as the "Rules", for the Approved Component – Technology Certification (IECQ AC-TC).

This IECQ Approved Component – Technology Certification Rules of Procedure provides the requirements specific to this category of the IECQ Approved Component 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), Approved Component Rules of Procedure (IECQ 03-3) and Operational Documents (OD) as listed in normative references Clause 2.

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 AC 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, General Requirements for all IECQ Schemes
IECQ 03-3, IECQ Approved Component Products, Related Materials & Assemblies Scheme
ISO 9001, Quality management systems – Requirements
ISO/IEC 17000, Conformity assessment – Vocabulary and general principles
ISO/IEC 17021, Conformity assessment – Requirements for bodies providing audit and certification of management systems
ISO/IEC 17050-1, Conformity assessment — Supplier’s declaration of conformity — Part 1: General requirements