

Technology approval schedules Requirements under the IEC Quality Assessment System for Electronic Components (IECQ)

ICS 31.020

Confirmed December 2009

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW



Document Sharing Hub

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by Technical Committee L/9, Electronics components policy committee, to Subcommittee L/9/3, Quality assessment procedures, on which the following bodies were represented:

- Federation of the Electronics Industries
- National Supervising Inspectorate (BSI-PC)

This British Standard, having been prepared under the direction of the Electrotechnical Sector Board, was published under the authority of the Standards Board and comes into effect on 15 December 1996

© BSI 11-1998

The following BSI references relate to the work on this standard:
Committee reference L/9/3
Draft for comment 93/207019 DC

ISBN 0 580 26359 2

Amendments issued since publication

Amd. No.	Date	Comments

Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Introduction	1
1 General	1
2 Preparation of TASs	1
Annex A (normative) Structure of TA documents	2
Annex B (normative) Content of a TAS	3
Annex C (normative) Style, form and content of TAS front page	10
Annex D (normative) Guidelines for the generation of customer detail specifications (CDSs)	10
Annex E (normative) TAS notification forms	12
Annex F (normative) Foreword to a TAS	14
Annex G (normative) Preface to a TAS	Inside back cover
Figure D.1 — Example CDS front cover	11

National foreword

This British Standard has been prepared by Subcommittee L/9/3 and is identical with QC 210000:1995 *Technology Approval Schedules — Requirements under the IEC Quality Assessment System for Electronic Components (IECQ)*, published by the International Electrotechnical Commission (IEC).

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 14, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

Introduction

The requirements under the IECQ for Technology Approval (TA) of manufacturers in the electronic components industry are given in QC 001002-3, clause 6. The mechanism for approval defined in that clause requires the availability of appropriate Technology Approval Schedules (TAS) to define how the principles and requirements of that clause are applied to specific technologies.

This specification provides the rules for the preparation of TASs, which shall follow the common format given in this specification and reproduce standard text as indicated by the use of *italics*.

Clause 1 of this document gives a general introduction to TA documentation. Clause 2 provides requirements and guidance on the preparation of TASs, and is intended for use by IEC Technical Committees and Sub-Committees, industrial task groups or individual manufacturers wishing to prepare TASs.

1 General

1.1 Technology Approval (TA) documentation

Annex A gives a diagram detailing the structure, numbering and interrelationship of TA documentation. The documents referred to are, with the exception of Technology Approval Schedules (TASs), subject to the voting and publication procedures of the IECQ.

1.2 QC 001002-3, clause 6

QC 001002-3, clause 6 is the clause of the Rules of Procedure for TA of manufacturers within the IECQ, which shall be followed for all relevant approval exercises.

1.3 Technology Approval Schedules (TASs)

TASs shall be prepared in accordance with clause 2 of this specification. Each TAS shall have a defined scope and be allocated a unique number by the CMC Secretariat in the QC 210000 series, commencing with QC 210001. Each body intending to commence work on the drafting of a TAS shall register this intention with the CMC Secretariat by using the form given in annex E before starting work. Procedures and regulations for the approval and publication of TASs are given in QC 001002-2, clause 4.

A TAS shall be prepared in at least one of the official languages of the IECQ, and shall comply with the requirements of QC 001002-3, clause 6, this specification and the relevant editorial requirements of the ISO/IEC Directives, Part 3.

2 Preparation of TASs

This clause gives the requirements for the form and content of a TAS. It is recognized that the needs of technologies may vary significantly, therefore maximum flexibility has been retained in this specification. Additional requirements and information may be incorporated in TASs according to the demands of the specific technology.

In drafting a TAS every effort should be made to ensure that documents are easily understood and implemented. The following precautions shall be taken:

- a) the TAS should wherever possible be a self-contained document. However, it is acknowledged that reference may need to be made for specific purposes to other documents, for example those in the ISO 9000 series, QC 001002-3 and IEC Basic Specifications;
- b) the TAS shall be structured in a logical, easy-to-follow manner. The clause headings and numbers given in annex B.1. shall be used wherever applicable.

TASs relate to manufacturing technologies and identify those aspects of a manufacturing technology or activity which influence the quality and reliability of the product.

Each TAS shall provide the basis for the assessment of a specific sequence of manufacturing activities and shall give requirements for the precise identification, monitoring and control of the process steps or activities concerned.

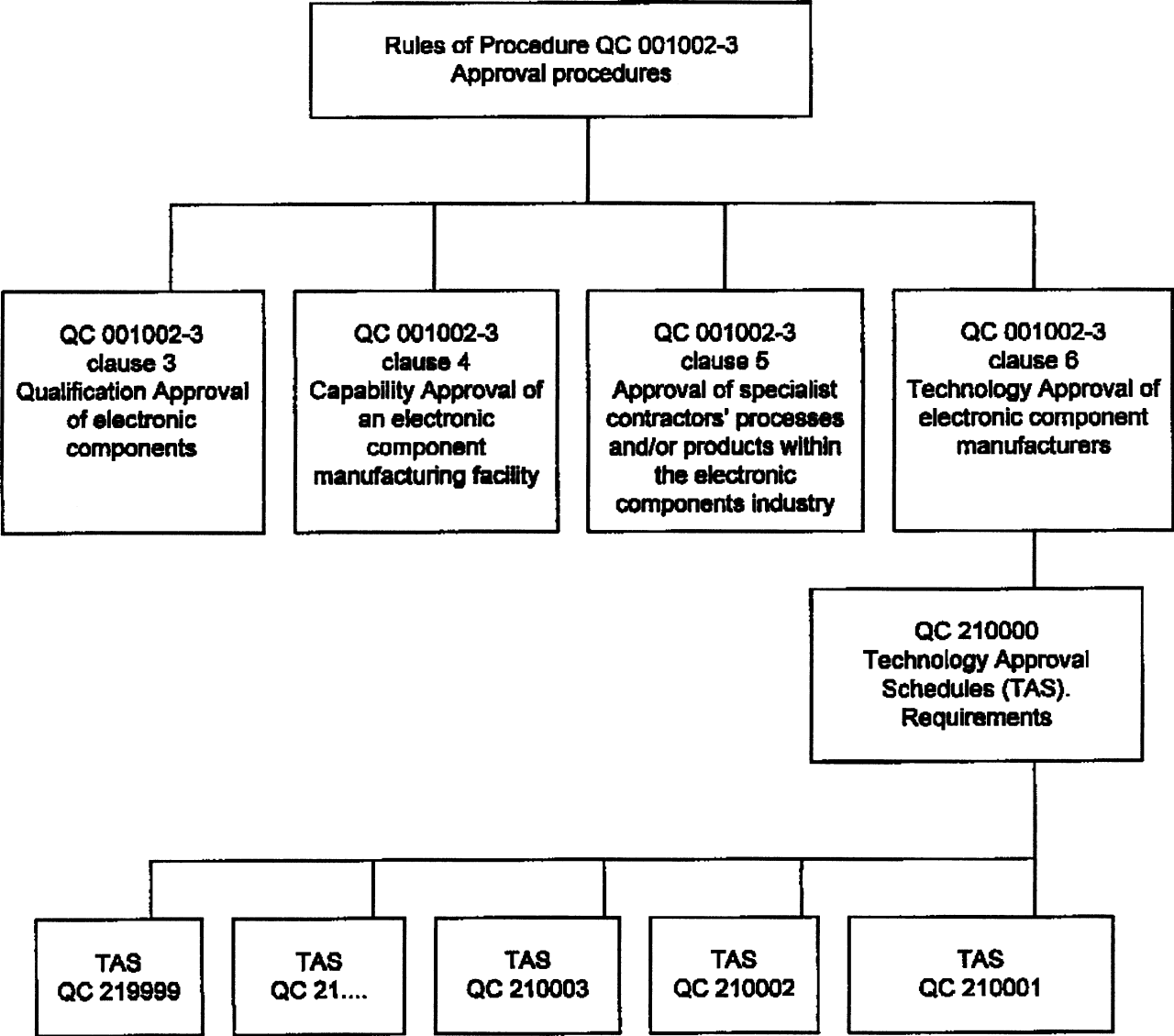
A TAS shall not leave requirements open to interpretation. The phrase "to the satisfaction of the NSI", or similar unqualified or unquantifiable statements, shall not be used.

TASs shall include provisions for quality improvement as required by QC 001002-3, clause 6.

Wherever possible, precise wording has been given in annex B.1. which shall be incorporated with minimal change into each TAS. Where this is not possible, the specific instructions, examples or suggested wording provided shall be used as guidance for the preparation of text which is applicable to the manufacturing technology or activity in question. Text in *italics* shall be included, without change, in all TASs.

Each TAS shall be completed in accordance with the requirements given in annex B.

Annex A Structure of TA documents



TAS — Technology Approval Schedule