

**Harmonized system of quality
assessment for electronic components**

Requirements for Technology Approval Schedules (TAS)

Committees responsible for this British Standard

The preparation of this British Standard was entrusted to the Electronic Components Standards Policy Committee ECL/-, upon which the following bodies were represented:

- British Standards Society
- British Telecommunications plc
- Federation of the Electronics Industry
- Ministry of Defence

The following body was also represented in the drafting of the standard, through a panel.

National Supervising Inspectorate — BSI QA

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Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Foreword	iii
Text of CECC 210000	1

National foreword

This British Standard has been prepared by Technical Committee ECL/-/12 and is the English language version of CECC 210000:1994 *Harmonized system of quality assessment for electronic components — Requirements for technology approval schedules (TAS)*, published by the European Committee for Electrotechnical Standardization (CENELEC) Electronic Components Committee (CECC).

Cross-references

Publication referred to	Corresponding British Standard
ISO 1000:1992	BS 5555:1993 <i>Specification for SI units and recommendations for the use of their multiples and of certain other units</i>
IEC 50	BS 4727 <i>Glossary of electrotechnical, power, telecommunication, electronics, lighting and colour terms</i>
IEC 617	BS 3939 <i>Graphical symbols for electrical power, telecommunications and electronics diagrams</i>
CECC 00114-VI:1994	BS CECC 00114 <i>Rule of procedure 14. Quality assessment procedures</i> Part 6:1994 <i>Technology approval of electronic component manufacturers</i>

The British Standard which implements the CECC Rules of Procedure is BS 9000-2:1991 *General requirements for a system for electronic components of assessed quality — Part 2 Specification for the national implementation of the CECC system*.

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, the CECC title page, pages ii to iv, pages 1 to 18, 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.

Förderverein für Elektrotechnische Normung (FEN) e. V.
Cenelec Electronic Components Committee

CECC

Système Harmonisé d'Assurance de la Qualité
des Composants Electroniques

EXIGENCES POUR LES PROTOCOLES D'AGREMENT TECHNOLOGIQUE DE FILIERE (TAS)

Harmonized System of Quality Assessment for
Electronic Components

REQUIREMENTS FOR TECHNOLOGY APPROVAL SCHEDULES (TAS)

Harmonisiertes Gütebestätigungssystem für
Bauelemente der Elektronik

ANFORDERUNGEN AN PRÜFABLAUFPLÄNE FÜR DIE TECHNIKANERKENNUNG (TAS)



1

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Contents

	Page
Foreword	iii
Introduction	1
1 General	1
1.1 TA documentation	1
1.2 CECC 00114: Part VI (RP 14; Part VI)	1
1.3 Technology Approval Schedules (TASs)	1
2 Preparation of Technology Approval Schedules	1
2.1 General	1
Annex A Structure of technology approval documents	3
Annex B Content of a technology approval schedule	6
Annex C Style, form and content of TAS front page	13
Annex D Guidelines for the generation of customer detail specifications (CDSs)	14
Annex E TAS notification form	16
Figure D.1 — Example CDS front cover	15

Foreword

The CENELEC Electronics Components Committee (CECC) is composed of those member countries of the European Committee for Electrotechnical Standardization (CENELEC) who wish to take part in a harmonized system for electronic components of assessed quality.

The object of the system is to facilitate international trade by the harmonization of the specification and quality assessment procedures for electronic components, and by the grant of an internationally recognized mark or certificate of conformity. The components produced under the system are acceptable in all member countries without further testing.

This specification has been formally approved by the CECC, and has been prepared for those countries taking part in the system who wish to issue national harmonized specifications for technologies related to the manufacture of electronic components of assessed quality. It should be read in conjunction with the current regulations for the CECC System.

At the date of printing this specification, the member countries of the CECC are Austria, Belgium, Denmark, Finland, France, Germany, Ireland, Italy, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom, and copies of it can be obtained from the addresses shown on the blue fly sheet.

Preface

This specification was prepared by CECC WG — Quality Assessment Procedures (QAP)

It is based wherever possible, on Publications of the International Electrotechnical Commission.

The text of this specification was circulated to the CECC for voting in the document(s) indicated (listed) below and was ratified by the President of the CECC for printing as a CECC Specification.

Document	Date of Voting	Report on the Voting
CECC(Secretariat)3359	May 1993	CECC(Secretariat)3478
CECC(Secretariat)3519	May 1994	CECC(Secretariat)3572

Introduction

The requirements under the CECC System for Technology Approval (TA) of Manufacturers in the electronic components industry are given in RP 14 Part VI. The mechanism for approval defined in that RP requires the availability of appropriate Technology Approval Schedules (TAS) to define how the principles and requirements of RP 14 Part VI 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 CECC Working Groups, industrial task groups or individual manufacturers wishing to prepare TASs.

1 General

1.1 TA documentation

Annex A gives a diagram detailing the structure, numbering and interrelationship of technology approval documentation. The documents referred to are, with the exception of TASs, subject to the voting and publication procedures of the CECC.

1.2 CECC 00114; Part VI (RP 14; Part VI)

CECC 00114; Part VI is the rule of procedure for technology approval of manufacturers within the CECC System, 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 standard. Each TAS shall have a defined scope and be allocated a unique number by the CECC General Secretariat in the CECC 210000 series, commencing with 210001. Each body intending to commence work on the drafting of a TAS shall register this intention with the CECC General 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 RP 11.

A TAS shall be prepared in at least one of the official languages of the CECC System, and shall comply with the requirements of CECC RP 14: Part VI, this specification and the relevant editorial requirements of CECC 00400.

2 Preparation of Technology Approval Schedules (TASs)

2.1 General

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 standard. 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) Clear reference shall be made in each TAS to CECC 00401 which is the glossary of terms used in all CECC Publications.
- b) 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, e.g. those in the EN 29000 series, CECC 00114 and CECC Basic specifications.
- c) The TAS shall be structured in a logical, easy-to-follow manner. The clause headings and numbers given in Table 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 ONS”, or similar unqualified or unquantifiable statements, shall not be used.