

Methods of measurement for equipment used in digital microwave radio transmission systems —

**Part 1: Measurements common to
terrestrial radio-relay systems and
satellite earth stations —**

Section 1.1 General

The European Standard EN 60835-1-1:1992 has the status of a
British Standard

UDC 621.396.6:629.783:621.317.08

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Electronic Equipment Standards Policy Committee (EEL/-) to Technical Committee EEL/25, upon which the following bodies were represented:

- British Broadcasting Corporation
- British Radio and Electronic Equipment Manufacturers' Association
- British Telecommunications plc
- Independent Television Commission
- Institution of Electrical Engineers
- Radio, Electrical and Television Retailers' Association
- Radiocommunications Agency

The following bodies were also represented in the drafting of the standard, through subcommittees and panels:

- EEA (the Association of the Electronics, Telecommunications and Business Equipment Industries)
- ERA Technology Ltd.
- GAMBICA (BEAMA Ltd.)

This British Standard, having been prepared under the direction of the Electronic Equipment Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 1 April 1992

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The following BSI references relate to the work on this standard:
Committee reference EEL/25
Draft for comment 89/28590 DC

ISBN 0 580 20756 0

Amendments issued since publication

Amd. No.	Date	Comments
8338	December 1994	Indicated by a sideline in the margin

Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Foreword	2
1 Scope	3
2 Normative references	3
3 Terms and definitions	3
4 Conditions of measurement	4
5 Standard test conditions	5
6 Supplementary conditions for the power supply	6
7 Measurements under conditions deviating from standard test conditions	7
Appendix A Bibliography	12
Annex ZA (normative) Other international publications quoted in this standard with the references of the relevant European publications	13
Figure 1 — Block diagram of a typical terminal station of a digital terrestrial radio-relay system	9
Figure 2 — Block diagram of a typical digital satellite earth station	10
Figure 3 — Voltage waveform of the a.c. power supply	11
Figure 4 — Unbalance of a three-phase system	11
Publication(s) referred to	Inside back cover

National foreword

This Section of BS 7573 has been prepared under the direction of the Electronic Equipment Standards Policy Committee. It is identical with IEC 835-1-1 “*Methods of measurement for equipment used in digital microwave radio transmission systems — Part 1: Measurements common to terrestrial radio-relay systems and satellite earth stations Section 1 — General*”, published by the International Electrotechnical Commission (IEC).

In 1992 the European Committee for Electrotechnical Standardization (CENELEC) accepted IEC 835-1-1:1990 as European Standard EN 60835-1-1:1992. As a consequence of implementing the European Standard this British Standard is renumbered as BS EN 60835-1-1 and any reference to BS 7573-1.1 should be read as a reference to BS EN 60835-1-1.

BS 7573 is published in three Parts. The other Parts are:

- *Part 2: Measurements on terrestrial radio-relay systems;*
- *Part 3: Measurements on satellite earth stations.*

Cross-references

International Standard	Corresponding British Standard
	BS 2011 <i>Environment testing</i>
IEC 68-1:1988	Part 1.1:1989 <i>General and guidance</i> (Identical)
IEC 68-2-1:1974	Part 2.1A:1990 <i>Tests A. Cold</i> (Identical)
IEC 68-2-2:1974	Part 2.1B:1977 <i>Tests B. Dry heat</i> (Identical)
IEC 68-2-3:1969	Part 2.1Ca:1977 <i>Test Ca. Damp heat, steady state</i> (Identical)
IEC 68-2-30:1980	Part 2.1Db:1981 <i>Test Db and guidance: Damp heat, cyclic (12 + 12 hour cycle)</i> (Identical)
IEC 76:1967	BS 171 <i>Power transformers</i> (Most Parts Technically equivalent)

The Technical Committee has reviewed the provisions of IEC 84:1957, IEC 119:1960, IEC 215:1987 and CISPR 16:1987, to which reference is made in the text, and has decided that they are acceptable for use in conjunction with this standard. A related standard to IEC 215:1987 is BS 3192:1990 and a related standard to CISPR 16:1987 is BS 727:1983.

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 EN title page, pages 2 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.

UDC 621.396.6:629.783:621.317.08

Descriptors: Radiocommunications, telecommunications, communication equipment, earth stations, satellite broadcasting, radio-relay systems, tests, measurements, characteristics, general

English version

Methods of measurement for equipment used in digital
microwave radio transmission systems
Part 1: Measurements common to terrestrial radio-relay
systems and satellite earth stations Section one: General

(IEC 835-1-1:1990)

Méthodes de mesure applicables au matériel
utilisé pour les systèmes de transmission
numérique en hyperfréquence Première
partie: Mesures communes aux faisceaux
hertziens terrestres et aux stations terriennes
de télécommunications par satellite Section
un: Généralités
(CEI 835-1-1:1990)

Meßverfahren für Geräte in digitalen
Mikrowellen-Funkübertragungssystemen
Teil 1: Messungen an terrestrischen
Richtfunkssystemen und
Satelliten-Erdfunkstellen Hauptabschnitt
eins: Allgemeines
(IEC 835-1-1:1990)

This European Standard was approved by CENELEC on 1992-09-15. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B-1050 Brussels

Foreword

The CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 835-1-1:1990 could be accepted without textual changes, has shown that no common modifications were necessary for the acceptance as a European Standard.

The reference document was submitted to the CENELEC members for formal vote and was approved by CENELEC as EN 60835-1-1 on 15 September 1992.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1993-09-01
- latest date of withdrawal of conflicting national standards (dow) 1993-09-01

Annexes designated “normative” are part of the body of the standard. In this standard, Annex ZA is normative.