

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

**Part 3: Measurements on satellite earth
stations —**

**Section 3.10 Terminal equipment —
TDMA traffic earth station**

The European Standard EN 60835-3-10:1994 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 to Technical Committee EPL/12, Radio communication, upon which the following bodies were represented:

- British Broadcasting Corporation
- British Radio and Electronic Equipment Manufacturers' Association
- British Telecommunications plc
- ERA Technology Ltd.
- Institution of Electrical Engineers
- Radio, Electrical and Television Retailers' Association
- Radiocommunications Agency

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National foreword

This British Standard has been prepared by Technical Committee EPL/12 and is the English language version of EN 60835-3-10:1994 *Methods of measurement for equipment used in digital microwave radio transmission systems — Part 3: Measurements on satellite earth stations — Section 3.10: Terminal equipment — TDMA traffic earth station*, published by the European Committee for Electrotechnical Standardization (CENELEC). It is identical with IEC 835-3-10:1994, published by the International Electrotechnical Commission (IEC).

BS EN 60835 is published in three Parts. The other Parts are:

- *Part 1: Measurements common to terrestrial radio-relay systems and satellite earth stations;*
- *Part 2: Measurements on terrestrial radio-relay systems.*

Some of the many Sections of the three Parts have appeared under the number BS 7573, of the same generic title.

This Section of BS EN 60835 covers methods of measurement for Time Division Multiple Access (TDMA) terminal equipment used in many international and regional traffic earth stations.

Additional information

In adopting the text of the International Standard the typographical errors listed below were discovered.

In the Introduction, paragraph 2, the abbreviation “TIM” for “Terrestrial Interface Modules” should read “TIE” for consistency with later references to it. In the figures, the abbreviation “TIE” refers to the synonymous term “Terrestrial Interface Equipment”. (The term “Equipment” is used throughout in the French text.)

Cross-references

International Standard	Corresponding British Standard
EN 60835-1-2:1993 (IEC 835-1-2:1992)	BS EN 60835 <i>Methods of measurement for equipment used in digital microwave radio transmission systems</i> Part 1 <i>Measurements common to terrestrial radio-relay systems and satellite earth stations.</i> Section 1.2:1995 <i>Basic characteristics</i>
IEC 835-1-4:1992	BS 7573 <i>Methods of measurement for equipment used in digital microwave radio transmission systems</i> Part 1 <i>Measurements common to terrestrial radio-relay systems and satellite earth stations</i> Section 1.4:1993 <i>Transmission performance</i>

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 12, 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.

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Descriptors: Radiocommunications, telecommunications, communication equipment, telecommunication terminals, earth stations, satellite broadcasting, digital technics, radio-relay systems, microwave frequencies, measurement, characteristics

English version

Methods of measurement for equipment used in digital
microwave radio transmission systems
Part 3: Measurements on satellite earth stations
Section 10: Terminal equipment — TDMA traffic earth
station

(IEC 835-3-10:1994)

Méthodes de mesure applicables au matériel
utilisé pour les systèmes de transmission
numérique en hyperfréquence
Partie 3: Mesures applicables aux stations
terriennes de télécommunications par satellite
Section 10: Equipement terminal Station
terrienne de trafic AMRT
(CEI 835-3-10:1994)

Meßverfahren für Geräte in digitalen
Mikrowellen-Funkübertragungs-systemen
Teil 3: Messungen an Satelliten-Erdfunkstellen
Hauptabschnitt 10:
Endeinrichtung-Erdfunkstelle für
TDMA-Betrieb
(IEC 835-3-10:1994)

This European Standard was approved by CENELEC on 1994-03-08. 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.

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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

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Foreword

The text of document 12(CO)148, as prepared by Subcommittee 12E, Radio-relay and fixed satellite communication systems, of IEC Technical Committee 12, Radiocommunications, was submitted to the IEC-CENELEC parallel vote in May 1993.

The reference document was approved by CENELEC as EN 60835-3-10 on 8 March 1994.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1995-07-01
- latest date of withdrawal of conflicting national standards (dow) 1995-07-01

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

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