



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 60835-2-4:1996

ICS 33.060.30

**METHODS OF MEASUREMENT FOR  
EQUIPMENT USED IN DIGITAL MICROWAVE  
RADIO TRANSMISSION SYSTEMS.  
PART 2: MEASUREMENTS ON TERRESTRIAL  
RADIO-RELAY SYSTEMS.  
SECTION 4: TRANSMITTER/RECEIVER  
INCLUDING MODULATOR/DEMODULATOR  
(IEC 835-2-4:1993)**

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Údarás um Chaighdeán Náisiúnta na hÉireann



## **DECLARATION**

OF

SPECIFICATION

ENTITLED

**METHODS OF MEASUREMENT FOR EQUIPMENT USED IN DIGITAL MICROWAVE  
RADIO TRANSMISSION SYSTEMS. PART 2: MEASUREMENTS ON TERRESTRIAL  
RADIO-RELAY SYSTEMS. SECTION 4: TRANSMITTER/RECEIVER INCLUDING  
MODULATOR/DEMODULATOR (IEC 835-2-4:1993)**

AS

**THE IRISH STANDARD SPECIFICATION FOR**

**METHODS OF MEASUREMENT FOR EQUIPMENT USED IN DIGITAL MICROWAVE  
RADIO TRANSMISSION SYSTEMS. PART 2: MEASUREMENTS ON TERRESTRIAL  
RADIO-RELAY SYSTEMS. SECTION 4: TRANSMITTER/RECEIVER INCLUDING  
MODULATOR/DEMODULATOR (IEC 835-2-4:1993)**

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Forfás in exercise of the power conferred by section 20 (3) of the Industrial Research and Standards Act, 1961 ( No. 20 of 1961 ) and the Industrial Development Act, 1993 (No. 19 of 1993), and with the consent of the Minister for Enterprise and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification ( Methods of Measurement for Equipment used in Digital Microwave Radio Transmission Systems. Part 2: Measurements on Terrestrial Radio-Relay Systems. Section 4: Transmitter/Receiver Including Modulator/Demodulator (IEC 835-2-4:1993)) Declaration, 1996.

2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Methods of Measurement for Equipment used in Digital Microwave Radio Transmission Systems. Part 2: Measurements on Terrestrial Radio-Relay Systems. Section 4: Transmitter/Receiver Including Modulator/Demodulator (IEC 835-2-4:1993). The Schedule comprises the text of EN 60835-2-4 1995.

(2) The said standard specification may be cited as Irish Standard/EN 60835-2-4 :1996 or as I.S./EN 60835-2-4 :1996.



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 60835-2-4**

January 1995

ICS 33.060.30

Descriptors: Radiocommunications, telecommunications, communication equipment, radio-relay systems, microwave frequencies, digital technics, transmitters, receivers, modems, measurements, characteristics

English version

**Methods of measurement for equipment used in digital  
microwave radio transmission systems  
Part 2: Measurements on terrestrial radio-relay systems  
Section 4: Transmitter/receiver including modulator/demodulator  
(IEC 835-2-4:1993)**

Méthodes de mesure applicables au matériel utilisé pour les systèmes de transmission numérique en hyperfréquence  
Partie 2: Mesures applicables aux faisceaux hertziens terrestres  
Section 4: Emetteur/récepteur, modulateur/démodulateur inclus  
(CEI 835-2-4:1993)

Meßverfahren für Geräte in digitalen Mikrowellen-Funkübertragungssystemen  
Teil 2: Messungen an terrestrischen Richtfunksystemen  
Hauptabschnitt 4: Sender/Empfänger einschließlich Modulator/Demodulator  
(IEC 835-2-4:1993)

This European Standard was approved by CENELEC on 1994-12-06. 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 text of the International Standard IEC 835-2-4:1993, prepared by SC 12E, Radio-relay and fixed satellite communications systems, of IEC TC 12, Radiocommunications, was submitted to the formal vote and was approved by CENELEC as EN 60835-2-4 on 1994-12-06 without any modification.

The following dates were fixed:

- latest date by which the EN has to be implemented  
at national level by publication of an identical  
national standard or by endorsement (dop) 1995-12-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 1995-12-01

Annexes designated "normative" are part of the body of the standard.  
Annexes designated "informative" are given for information only.  
In this standard, annex ZA is normative and annex A is informative.  
Annex ZA has been added by CENELEC.

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### **Endorsement notice**

The text of the International Standard IEC 835-2-4:1993 was approved by CENELEC as a European Standard without any modification.

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