SLOVENSKI STANDARD
SIST EN 60835-3-11:2002

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Methods of measurement for equipment used in digital microwave radio transmission systems - Part 3: Measurements on satellite earth stations - Section 11: Service channel equipment for SCPC-PSK transmission (IEC 60835-3-11:1995)

Methods of measurement for equipment used in digital microwave radio transmission systems -- Part 3: Measurements on satellite earth stations -- Section 11: Service channel equipment for SCPC-PSK transmission

Meßverfahren für Geräte in digitalen Mikrowellen-Funkübertragungssystemen -- Teil 3: Messungen an Satelliten-Erdfunkstellen -- Hauptabschnitt 11: Dienstkanaleinrichtungen für SCPC-PSK-Übertragung

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 11: Equipement de voie de service pour transmission SCPC-MDP

Ta slovenski standard je istoveten z: **EN 60835-3-11:1995**

ICS:

33.060.30	Radiorelejni in fiksni satelitski komunikacijski sistemi	Radio relay and fixed satellite communications systems

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EUROPEAN STANDARD

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English version

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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 11: Equipement de voie de service pour transmission SCPC-MDP
(CEI 835-3-11:1995)

Meßverfahren für Geräte in digitalen Mikrowellen-Funkübertragungssystemen
Teil 3: Messungen an Satelliten-Erdfunkstellen
Hauptabschnitt 11: Dienstkanaleinrichtungen für SCPC-PSK-Übertragung
(IEC 835-3-11:1995)

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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

Foreword

The text of document 12E(CO)170, future edition 1 of IEC 835-3-11, prepared by SC 12E, Radio-relay and fixed satellite communication systems, of IEC TC 12, Radio-communications, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60835-3-11 on 1995-03-06.

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) 1996-03-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1996-03-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annex ZA is normative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 835-3-11:1995 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE: When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	Year	Title	EN/HD	Year
IEC 835-1-2	1992	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 2: Basic characteristics	EN 60835-1-2	1993
IEC 835-1-3	1992	Section 3: Transmission characteristics	EN 60835-1-3	1995
IEC 835-3-9	1993	Part 3: Measurement on satellite earth stations Section 9: Terminal equipment SCPC-PSK	EN 60835-3-9	1995

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Partie 3:
Mesures applicables aux stations terriennes de télécommunications par satellite
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International Electrotechnical Commission 3, rue de Varembé Geneva, Switzerland
Telefax: +41 22 919 0300 e-mail: inmail@iec.ch IEC web site http: //www.iec.ch

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

METHODS OF MEASUREMENT FOR EQUIPMENT USED IN DIGITAL MICROWAVE RADIO TRANSMISSION SYSTEMS –

Part 3: Measurements on satellite earth stations – Section 11: Service channel equipment for SCPC-PSK transmission

FOREWORD

1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international cooperation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.

2) The formal decisions or agreements of the IEC on technical matters, prepared by technical committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.

3) They have the form of recommendations for international use published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.

4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.

International Standard IEC 835-3-11 has been prepared by sub-committee 12E: Radio-relay and fixed satellite communication systems of IEC technical committee 12: Radio-communications.

The text of this standard is based on the following documents:

DIS	Report on voting
12E(CO)170	12E/245/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

IEC 835 consists of the following parts, under the general title: Methods of measurement for equipment used in digital microwave radio transmission systems and satellite earth stations.

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

– Part 2: Measurements on terrestrial radio-relay systems

– Part 3: Measurements on satellite earth stations.

METHODS OF MEASUREMENT FOR EQUIPMENT USED IN DIGITAL MICROWAVE RADIO TRANSMISSION SYSTEMS –

Part 3: Measurements on satellite earth stations – Section 11: Service channel equipment for SCPC-PSK transmission

1 Scope

This section of IEC 835-3 deals with measurements carried out on service channel equipment utilizing SCPC-PSK (single-channel-per-carrier, phase-shift-keying) terminals. The measurements described are applicable to service channel equipment with voice interface. Measurements on service channel frequency control systems are not included.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this section of IEC 835-3. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this section of IEC 835-3 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 835-1-2: 1992, *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 2: Basic characteristics*

IEC 835-1-3: 1992, *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 3: Transmission characteristics*

IEC 835-3-9: 1993, *Methods of measurement for equipment used in digital microwave radio transmission systems – Part 3: Measurements on satellite earth stations – Section 9: Terminal equipment SCPC-PSK*

3 General considerations

Service channels, also known as engineering service circuits (ESC), are provided for communication between earth station personnel to facilitate the operation, maintenance and management of the satellite earth station network. At earth stations operating with SCPC, two channel units providing two pairs of frequencies, as described in IEC 835-3-9, are normally assigned for duplex transmission. The utilization of these frequency pairs for the transmission of different kinds of calls such as