

SLOVENSKI STANDARD
SIST EN 61079-3:1999**01-april-1999**

Methods of measurement on receivers for satellite broadcast transmissions in the 12 GHz band -- Part 3: Electrical measurements of overall performance of receiver systems comprising an outdoor unit and a DBS tuner unit (IEC 61079-3:1993)

Methods of measurement on receivers for satellite broadcast transmissions in the 12 GHz band -- Part 3: Electrical measurements of overall performance of receiver systems comprising an outdoor unit and a DBS tuner unit

Meßverfahren für Empfänger für Satelliten-Rundfunkübertragung im 12-GHz-Bereich -- Teil 3: Elektrische Meßverfahren der Gesamteigenschaften von Empfangsanlagen aus Außeneinheit und Satellitenempfänger für direkten Satellitenempfang

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Méthodes de mesure sur les récepteurs d'émissions de radiodiffusion par satellite dans la bande 12 GHz -- Partie 3: Mesures électriques des performances globales des systèmes de réception constitués d'une unité extérieure et d'un syntoniseur pour la radiodiffusion directe par satellite

Ta slovenski standard je istoveten z: EN 61079-3:1993

ICS:

33.060.20	Sprejemna in oddajna oprema	Receiving and transmitting equipment
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SIST EN 61079-3:1999**en**

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ENGLISH VERSION

Methods of measurements on receivers for satellite broadcast transmissions in the 12 GHz band
Part 3: Electrical measurements of overall performance of receiver systems comprising an outdoor unit and a DBS tuner unit
(IEC 1079-3:1993)

Méthodes de mesure sur les récepteurs d'émissions de radiodiffusion par satellite dans la bande 12 GHz
Partie 3: Mesures électriques des performances globales des systèmes de réception constitués d'une unité extérieure et d'un syntoniseur pour la radiodiffusion directe par satellite
(CEI 1079-3:1993)

Meßverfahren für Satellitenrundfunkempfänger im 12-GHz-Band
Teil 3: Elektrische Messungen der Gesamtleistung von Empfängersystemen, die aus einer Außeneinheit und einer Tunereinheit für DBS-Direkttempfang bestehen
(IEC 1079-3:1993)

TECHNICAL STANDARD PREVIEW
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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 documents 12A(CO)151 and 151A, as prepared by sub-committee 12A: Receiving equipment, of IEC technical committee 12: Radiocommunications, was submitted to the IEC-CENELEC parallel vote in May 1991.

The reference document was approved by CENELEC as EN 61079-3 on 10 December 1991.

The following dates were fixed:

- latest date of publication of
an identical national standard (dop) 1994-04-01
- latest date of withdrawal of
conflicting national standards (dow) 1994-04-01

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

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The text of the International Standard IEC 1079-3:1993 was approved by CENELEC as a European Standard without any modification.

ANNEX ZA (normative)

OTHER INTERNATIONAL PUBLICATIONS QUOTED IN THIS STANDARD
WITH THE REFERENCES OF THE RELEVANT EUROPEAN PUBLICATIONS

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

IEC Publication	Date	Title	EN/HD	Date
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107-1	1977	Recommended methods of measurement on receivers for television broadcast transmissions - Part 1: General considerations - Electrical measurements other than those at audio-frequencies	-	-
569	1977	Informative guide for subjective tests on television receivers	-	-
1079-1	1992	Methods of measurements on receivers for satellite broadcast transmissions in the 12 GHz band - Part 1: Radio-frequency measurements on outdoor units	-	-
1079-2	1992	Methods of measurements on receivers for satellite broadcast transmissions in the 12 GHz band - Part 2: Electrical measurements on DBS tuner units	-	-

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**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC**

61079-3

Première édition
First edition
1993-04

**Méthodes de mesure sur les récepteurs
d'émissions de radiodiffusion par satellite
dans la bande 12 GHz**

Partie 3:

Mesures électriques des performances globales
des systèmes de réception constitués d'une
unité extérieure et d'un syntoniseur pour
la radiodiffusion directe par satellite

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**Methods of measurement on receivers for
satellite broadcast transmissions in
the 12 GHz band**

Part 3:

Electrical measurements of overall performance
of receiver systems comprising an outdoor unit
and a DBS tuner unit

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Международная Электротехническая Комиссия

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**METHODS OF MEASUREMENT ON RECEIVERS
FOR SATELLITE BROADCAST TRANSMISSIONS
IN THE 12 GHz BAND**

**Part 3: Electrical measurements
of overall performance of receiver systems
comprising an outdoor unit and
a DBS tuner unit**

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 1079-3 has been prepared by sub-committee 12A: Receiving equipment, of IEC technical committee 12: Radiocommunications.

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

DIS	Report on Voting
12A(CO)151 and 151A	12A(CO)166

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 1079 consists of the following parts, under the general title: Methods of measurement on receivers for satellite broadcast transmissions in the 12 GHz band

- Part 1: Radio frequency measurements on outdoor units for channels in the 12 GHz band
- Part 2: Electrical measurements on DBS tuner units
- Part 3: Electrical measurements of overall performance of receiver systems comprising an outdoor unit and a DBS tuner unit
- Part 4: Electrical measurements on sound/data decoder units for the digital subcarrier NTSC system
- Part 5: Electrical measurements on decoder units for MAC/Paquet systems.

Annex A is for information only.

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METHODS OF MEASUREMENT ON RECEIVERS FOR SATELLITE BROADCAST TRANSMISSIONS IN THE 12 GHz BAND

Part 3: Electrical measurements of overall performance of receiver systems comprising an outdoor unit and a DBS tuner unit

Section 1: General

1.1 Scope

This part of IEC 1079 applies to the conditions and methods of measurement of overall performance of receiver systems comprising an outdoor unit and a DBS tuner unit for direct reception of satellite broadcast transmissions in the 12 GHz band. The channels are those defined by WARC BS-77 and RARC SAT-83 and the systems those of CCIR Recommendation 650 [1].

The specifications of the limit values of the various parameters of the receiver systems are outside the scope of this standard.

Although individual performance of an outdoor unit and a DBS tuner unit can be measured by the methods defined by parts 1 and 2 of IEC 1079, measurements of overall performance of a receiver system consisting of an indoor unit and a DBS tuner unit are also necessary for individual receiver installations.

A decoder for baseband and data signals may be included in the receiver. Methods of measurement of the decoder, however, are described in parts 4 and 5 of IEC 1079.

NOTE - Measurement items for overall performance are confined to those which cannot be obtained by the measurements of each individual unit or may be affected by the combination of the units in the receiver.

1.2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of IEC 1079. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and the parties to agreement based on this part of IEC 1079 are encouraged to investigate the possibility of applying the most recent editions of the normative documents listed below. Members of ISO and IEC maintain registers of currently valid International Standards.

IEC 107-1: 1977, *Recommended methods of measurement on receivers for television broadcast transmissions – Part 1: General considerations – Electrical measurements other than those at audio-frequencies*

* The figures in square brackets refer to the bibliography (annex A).