



## DRAFT TANZANIA STANDARD

(Draft for comments only)

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**Methods of measurement on receivers for television broadcast transmissions - Part 1: General conditions - Measurements at radio and video frequencies**

**TANZANIA BUREAU OF STANDARDS**

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## 1 National Foreword

This draft Tanzania Standard is being prepared by the Telecommunications and Information Technology Technical Committee, under the supervision of the Electrotechnical divisional standards committee (EDC)

1. This draft Tanzania Standard is an adoption of the International Standard **IEC60107-1:1997** Methods of measurement on receivers for television broadcast transmissions - Part 1: General conditions - Measurements at radio and video frequencies, Which has been prepared by the International Electrotechnical Commission

## 2 Terminology and conventions

Some terminologies and certain conventions are not identical with those used in Tanzania standards; attention is drawn especially to the following: -

- 1) The comma has been used as a decimal marker for metric dimensions. In Tanzania Standards, it is current practice to use "full point" on the baseline as the decimal marker.
- 2) Where the words "International Standard(s)" appear referring to this standard they should read "Tanzania Standard(s)".

# INTERNATIONAL ELECTROTECHNICAL COMMISSION

## METHODS OF MEASUREMENT ON RECEIVERS FOR TELEVISION BROADCAST TRANSMISSIONS –

### Part 1: General considerations – Measurements at radio and video frequencies

#### 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 co-operation 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 express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are 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.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60107-1 has been prepared by subcommittee 100A: Multimedia end-user equipment, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

This third edition cancels and replaces the second edition published in 1977, amendment 1 (1987) and constitutes a technical revision.

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

FDIS	Report on voting
100A/5/FDIS	100A/40/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.

Annexes A and B form an integral part of this standard.

Annex C is for information only.

## 1.1 SCOPE

This part of IEC 60107 deals with the standard conditions and methods of measurement on television receivers that conform to the terrestrial broadcast television standards specified by the ITU-R\*. Such receivers may be used for direct off-air reception, reception via cabled networks or as a monitor for prerecorded video, home movies and games among other applications. This part does not include the measurements specific to the sound channels which are dealt with by other parts: IEC 60107-2, 60107-3, 60107-4, and 60107-5. Measurements for the non-broadcast signals are dealt with by IEC 60107-6.

This part of IEC 60107 deals with the determination of performance and permits the comparison of equipment by listing the characteristics which are useful for specifications and by laying down uniform methods of measurement for these characteristics. Performance requirements are not specified.

This part of IEC 60107 does not deal with general safety matters, for which reference is required to IEC 60065, or other appropriate IEC safety standards, nor with radiation and immunity, for which reference is required to CISPR 13 and CISPR 20.

## 1.2 NORMATIVE REFERENCES

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of IEC 60107. At the time of publication, the editions indicated were valid. All normative documents are subject to revision and the parties to agreements based on this part of IEC 60107 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. Members of ISO and IEC maintain registers of currently valid International Standards.

IEC 60065: 1985, *SAFETY REQUIREMENTS FOR MAINS OPERATED ELECTRONIC AND RELATED APPARATUS FOR HOUSEHOLD AND SIMILAR GENERAL USE*  
Amendment 2 (1989) which incorporates amendment 1  
Amendment 3 (1992)

IEC 60107-2: 1997, *METHODS OF MEASUREMENT ON RECEIVERS FOR TELEVISION BROADCAST TRANSMISSIONS PART AUDIO CHANNELS GENERAL METHODS AND METHODS FOR MONOPHONIC CHANNELS*

IEC 60107-3: 1988, *RECOMMENDED METHODS OF MEASUREMENT ON RECEIVERS FOR TELEVISION BROADCAST TRANSMISSIONS PART ELECTRICAL MEASUREMENTS ON MULTICHANNEL SOUND TELEVISION RECEIVERS USING SUBCARRIER SYSTEMS*