



DRAFT TANZANIA STANDARD

(Draft for comments only)

Sound signalling devices for household and similar purposes

TANZANIA BUREAU OF STANDARDS



1 National Foreword

This draft Tanzania Standard has been prepared by the TBS Electrical Equipment Technical Committee, under the supervision of the Electrotechnical Divisional Standards Committee (EDC)

This draft Tanzania Standard is identical to International Standard IEC 62080:2001+AMD1:2008+AMD2:2015 Sound signalling devices for household and similar purposes, 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)"



SOUND SIGNALLING DEVICES FOR HOUSEHOLD AND SIMILAR PURPOSES

1 Scope

This Standard applies to sound signalling devices with integral enclosures or to sound signalling devices intended to be fitted into or supplied with enclosures according to IEC 60670 intended for household and similar purposes with rated voltages . and not exceeding 250 V a.c. or 250 V d.c., and with rated power inputs not exceeding 100 VA. In these sound signalling devices an indicating light having a rated input power not exceeding 10 VA may also be incorporated.

These products are designated as "devices" throughout the remainder of the text.

This standard applies to fixed, portable and plug-in devices for indoor or outdoor use.

In locations where special conditions prevail, special constructions may be required.

NOTE 1 This standard or parts of it may be used as a guide for sound signalling devices having a voltage less

than 50 V a.c. or 75 V d.c. Additional requirements for sound signalling devices having a voltage less than

50 V a.c. or 75 V d.c. are under consideration.

NOTE 2 This standard does not cover the radio transmitting or receiving functions.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 60065:1998, Audio, video and similar electronic apparatus – Safety requirements

IEC 60068-2-32:1975, Environmental testing – Part 2: Tests. Test Ed: Free fall (Procedure 1)



IEC 60068-2-75:1997, Environmental testing – Part 2-75: Tests. Test Eh: Hammer tests

IEC 60083:1997, Plugs and socket-outlets for domestic and similar general use standardized in member countries of IEC

IEC 60085:1984, Thermal evaluation and classification of electrical insulation

IEC 60112:1979, Method for determining the comparative and the proof tracking indices of solid insulating materials under moist conditions

IEC 60127 (all parts), Miniature fuses

IEC 60212:1971, Standard conditions for use prior to and during the testing of solid electrical insulating materials

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IEC 62080:2001 – 7 –

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IEC 60216 (all parts), Guide for the determination of thermal endurance properties of electrical insulating materials

IEC 60227 (all parts), Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V

IEC 60245 (all parts), Rubber insulated cables – Rated voltages up to and including 450/750 V

IEC 60317 (all parts), Specifications for particular types of winding wires

IEC 60320 (all parts), Appliance couplers for household and similar general purposes

IEC 60384-14:1993, Fixed capacitors for use in electronic equipment – Part 14: Sectional specification: Fixed capacitors for electromagnetic interference suppression and connection to the supply mains

IEC 60417 (all parts), Graphical symbols for use on equipment

IEC 60529:1989, Degrees of protection provided by enclosures (IP Code)

IEC 60664-1:1992, Insulation coordination for equipment within low-voltage systems – Part 1: Principles, requirements and tests

IEC 60664-3, Insulation coordination for equipment within low-voltage systems – Part 3: Use of coatings to achieve insulation coordination of printed board assemblies

IEC 60670, General requirements for enclosures for accessories for household and similar



fixed electrical installations

IEC 60595-2-1 (all sheets) Fire hazard testing – Part 2: Test methods – Section 1: Glow-wire test and guidance

IEC 60730 (all parts), Automatic electrical controls for household and similar use

IEC 60998 (all parts), Connecting devices for low-voltage circuits for household and similar purposes

IEC 61000-2-2:1990, Electromagnetic compatibility (EMC) – Part 2: Environment – Section 2: Compatibility levels for low-frequency conducted disturbances and signalling in public lowvoltage power supply systems

IEC 61000-3-2:2000, Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)

IEC 61000-3-3:1994, Electromagnetic compatibility (EMC) – Part 3: Limits – Section 3: Limitation of voltage fluctuation and flicker in low-voltage supply systems for equipment with rated current ≤ 16 A

IEC 61000-4-2:1995, Electromagnetic compatibility (EMC) – Part 4: Testing and measurement techniques – Section 2: Electrostatic discharge immunity test. Basic EMC Publication

IEC 61000-4-3:1995, Electromagnetic compatibility (EMC) – Part 4: Testing and measurement techniques – Section 3: Radiated, radio-frequency, electromagnetic field immunity test

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IEC 61000-4-4:1995, Electromagnetic compatibility (EMC) – Part 4: Testing and measurement techniques – Section 4: Electrical fast transient/burst immunity test. Basic EMC Publication

IEC 61000-4-5:1995, Electromagnetic compatibility (EMC) – Part 4: Testing and measurement techniques – Section 5: Surge immunity test

IEC 61000-4-6:1996, Electromagnetic compatibility (EMC) – Part 4: Testing and measurement techniques – Section 6: Immunity to conducted disturbances, induced by radio-frequency fields

IEC 61000-4-11:1994, Electromagnetic compatibility (EMC) – Part 4: Testing and measuring techniques – Section 11: Voltage dips, short interruptions and voltage variations immunity



IEC 60558-1:1997, Safety of power transformers, power supply units and similar – Part 1:
General requirements and tests

CISPR 14 (all parts), Electromagnetic compatibility – Requirements for household appliances,
electric tools and similar apparatus

ISO 1456:1988, Metallic coatings – Electrodeposited coatings of nickel plus chromium and of
copper plus nickel plus chromium

ISO 2081:1986, Metallic coatings – Electroplated coatings of zinc on iron or steel

ISO 2093:1986, Electroplated coatings of tin – Specification and test methods