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IEC 62642-4: 2010

DRAFT TANZANIA STANDARD

(Draft for comments only)

Alarm systems - Intrusion and hold-up systems –

Part 4: Warning devices

TANZANIA BUREAU OF STANDARDS

First Edition 2018

0 National Foreword

This draft Tanzania Standard is being prepared by the Alarm and Electronic Security Systems Technical Committee of the Tanzania Bureau of Standards (TBS), under the supervision of the Electrotechnical Divisional Standards Committee (EDC)

This draft Tanzania Standard is an adoption of the International Standard IEC 62642-4:2010 *Alarms systems – Intrusion and hold-up systems – Part 4: Warning devices,* which has been prepared by the International Electrotechnical Commission (IEC).

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)”.

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

Alarm systems – Intrusion and hold-up systems – Part 4: Warning devices

Systèmes d'alarme – Systèmes d'alarme contre l'intrusion et les hold-up – Partie 4: Dispositifs d'avertissement

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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ALARM SYSTEMS – INTRUSION AND HOLD-UP SYSTEMS –

Part 4: Warning devices

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of 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, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). 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. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.

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International Standard IEC 62642-4 has been prepared by IEC technical committee 79: Alarm and electronic security systems.

This standard is based on EN 50131-4 (2009).

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

FDIS	Report on voting
79/308/FDIS	79/319/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.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts of the IEC 62642 series can be found, under the general title *Alarm systems – Intrusion and hold-up systems*, on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INTRODUCTION

This part 4 of the IEC 62642 series of standard gives requirements for warning devices used in intrusion and hold-up alarm systems. The other parts of this series of standards are as follows:

Part 1 System requirements

Part 2-2 Intrusion detectors – Passive infrared detectors Part 2-

3 Intrusion detectors – Microwave detectors

Part 2-4 Intrusion detectors – Combined passive infrared / microwave detectors

Part 2-5 Intrusion detectors – Combined passive infrared / ultrasonic detectors

Part 2-6 Intrusion detectors – Opening contacts (magnetic) Part 2-71

Intrusion detectors – Glass break detectors – Acoustic Part 2-72

Intrusion detectors – Glass break detectors – Passive Part 2-73

Intrusion detectors – Glass break detectors – Active

Part 3 Control and indicating equipment

Part 4 Warning devices

Part 5-3 Interconnections – Requirements for equipment using radio frequency techniques

Part 6 Power supplies

Part 7 Application guidelines

Part 8 Security fog devices/systems

ALARM SYSTEMS –
INTRUSION AND HOLD-UP SYSTEMS –

Part 4: Warning devices

1 Scope

This part of the IEC 62642 includes requirements for warning devices used for notification in intrusion and hold up alarm systems installed in buildings. Four grades of warning device are described corresponding to each of the four security grades given in IEC 62642-1. Requirements are also given for four environmental classes covering applications in internal and outdoor locations as specified in IEC 62599-1.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

IEC 60068-1:1988, *Environmental testing – Part 1: General and guidance*

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

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

IEC 60950-1, *Information technology equipment – Safety – Part 1: General requirements*

IEC 61000-6-3, *Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for residential, commercial and light-industrial environments*

IEC 61672-1, *Electroacoustics – Sound level meters – Part 1: Specifications*

IEC 62599-1, *Alarm systems – Part 1: Environmental test methods*

IEC 62599-2, *Alarm systems – Part 2: Electromagnetic compatibility – Immunity requirements for components of fire and security alarm systems*

IEC 62642-1, *Alarm systems – Intrusion and hold-up systems – Part 1: System requirements*

IEC 62642-6, *Alarm systems – Intrusion and hold-up systems – Part 6: Power supplies*[1]

3 Terms, definitions and abbreviations

3.1 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

1 Under preparation