



DRAFT TANZANIA STANDARD

(Draft for comments only)

*Alarms and electronic security systems – Part 5-1: Alarm
transmission systems – General requirement*

TANZANIA BUREAU OF STANDARDS

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 Tanzania Standard is an adoption of the International Standard *IEC 60839-5-1:2014 Alarms and electronic security systems – Part 5-1: Alarm transmission systems – General requirement*, which has been prepared jointly 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)”.

INTRODUCTION

The object of this part of IEC60839 is to specify the general requirements for the performance, reliability, resilience and security of alarm transmission systems and to ensure their suitability for use with different types of alarm systems and annunciation equipment.

An alarm transmission system may use any type of transmission network.

When the ATS functions are integrated into an alarm system or annunciation equipment the requirements of this standard apply.

The intended users of this standard include alarm transmission service providers, alarm receiving centre operators, fire departments, insurance companies, telecommunication network operators, internet service providers, equipment manufacturers, alarm companies, end users and others.

The IEC 60839-5 series consists of the following parts, under the general title *Alarm and electronic security systems*:

- – Part 5-1: Alarm transmission systems – General requirements;
- – Part 5-2: Alarm transmission systems – Requirements for supervised premises transceiver (SPT);
- – Part 5-3: Alarm transmission systems – Requirements for receiving centre transceiver (RCT);
- – Part 5-41: (under evaluation);
- – Part 5-51: (under evaluation);
- – Part 5-61: (under evaluation);
- – Part 5-7: (place holder).

1 Scope

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ALARM AND ELECTRONIC SECURITY SYSTEMS –

Part 5-1: Alarm transmission systems – General requirements

This part of IEC 60839 specifies the requirements for the performance, reliability, resilience and security of alarm transmission systems and ensures their suitability for use with different types of alarm systems and annunciation equipment.

An alarm transmission system may use any type of transmission network. When the ATS functions are integrated into an alarm system or annunciation equipment the requirements of this standard apply.

This standard specifies the requirements for alarm transmission systems providing alarm transmission between an alarm system at supervised premises and annunciation equipment at an alarm receiving centre.

This standard applies to transmission systems for all types of alarm messages such as fire, intrusion, access control, social alarm, etc. Different types of alarm systems may in addition to alarm messages also send other types of messages, e.g. fault messages and status messages. These messages are also considered to be alarm messages in the context of this standard. The term alarm is used in this broad sense throughout the document.

Additional alarm transmission requirements of specific types of alarm systems are given in the relevant standards. The intended users of this standard include alarm transmission service providers, alarm receiving centre operators, fire departments, insurance companies, telecommunication network operators, internet service providers, equipment manufacturers, alarm companies, end users and others.