INTERNATIONAL STANDARD

IEC 60839-7-20

First edition 2001-03

Alarm systems -

Part 7-20:

Message formats and protocols for serial data interfaces in alarm transmission systems – Terminal interfaces employing ITU-T Recommendation V.24/V.28 signalling

Systèmes d'alarme-

Partie 7-20:

Formats de message et protocoles pour les interfaces de données série dans les systèmes de transmission d'alarme — Interfaces d'extrémité utilisant la recommandation UIT-T V.24/V.28 pour la signalisation



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ALARM SYSTEMS -

Part 7-20: Message formats and protocols for serial data interfaces in alarm transmission systems – Terminal interfaces employing ITU-T Recommendation V.24/V.28 signalling

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.
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International Standard IEC 60839-7-20 has been prepared by IEC technical committee 79: Alarm systems.

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

FDIS	Report on voting
79/207/FDIS	79/216/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 3.

The committee has decided that the contents of this publication will remain unchanged until 2004. At this date, the publication will be

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- withdrawn;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

A bilingual version of this standard may be issued at a later date.

IEC 60839-7-20 forms one of a number of related parts presented under the general title: Alarm systems – Part 7: Message formats and protocols for serial data interfaces in alarm transmission systems:

IEC 60839-7-1: General

IEC 60839-7-2: Common application layer protocol IEC 60839-7-3: Common data link layer protocol IEC 60839-7-4: Common transport layer protocol

IEC 60839-7-5: Alarm system interfaces employing a two-wire configuration in accordance

with ISO/IEC 8482

IEC 60839-7-6: Alarm system interfaces employing ITU-T Recommendation V.24/V.28

signalling

IEC 60839-7-7: Alarm system interfaces for plug-in alarm system transceivers

IEC 60839-7-11: Serial protocol for use by digital communicator systems using TU-T

Recommendation V.23 signalling at interfaces with the RSTN

IEC 60839-7-12: PTT interfaces for dedicated communications channels using ITU-T

Recommendation V.23 signalling

IEC 60839-7-20: Terminal interfaces employing ITU-T Recommendation V 24/V.28

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ALARM SYSTEMS -

Part 7-20: Message formats and protocols for serial data interfaces in alarm transmission systems – Terminal interfaces employing ITU-T Recommendation V.24/V.28 signalling

1 Scope

This part of IEC 60839 specifies the requirements for standard interfaces between the terminal transceiver of an alarm transmission system and the annunciation equipment

It employs signalling in accordance with ITU-T Recommendation X.24(V.28).

This is required in order to ensure compatibility of equipment from different suppliers. The standard applies equally to the transmission of alarms and other messages to/from intrusion, fire, access control and social alarm systems, and to the transmission of information to/from other similar systems.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of IEC 60839. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of IEC 60839 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 60839-7-1, Alarm systems - Part 7-1: Message formats and protocols for serial data interfaces in alarm transmission systems - General

IEC 60839-7-2, Alarm systems – Part 7-2: Message formats and protocols for serial data interfaces in alarm transmission systems – Common application layer protocol

IEC 60839-7-3, Alarm systems – Part 7-3: Message formats and protocols for serial data interfaces in alarm transmission systems – Common data link layer protocol

IEC 60839-7-4, Alarm systems – Part 7-4: Message formats and protocols for serial data interfaces in alarm transmission systems – Common transport layer protocol

ITU-T Recommendation V.24, List of definitions for interchange circuits between data terminal equipment (DTE) and data circuit-terminating equipment (DCE) 1)

ITU-T Recommendation V.28: Electrical characteristics for unbalanced double-current interchange circuits

¹⁾ To be published.