



IEC 62379-5-2

Edition 1.0 2014-03

INTERNATIONAL STANDARD

**Common control interface for networked digital audio and video products –
Part 5-2: Transmission over networks – Signalling**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

PRICE CODE **XA**

ICS 33.160; 35.100

ISBN 978-2-8322-1455-8

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CONTENTS

FOREWORD.....	5
INTRODUCTION.....	7
1 Scope.....	8
2 Normative references	8
3 Terms and definitions	8
4 Identification.....	10
4.1 Byte order	10
4.2 Unit identification	10
4.3 Flow identifiers	10
4.4 Address format.....	11
5 Message format.....	12
5.1 General	12
5.2 Header	13
5.3 Variable part	14
5.3.1 General	14
5.3.2 Information element format.....	14
5.3.3 Order of occurrence of information elements	15
5.4 Data formats	16
5.5 Contents of fixed and variable parts	16
5.5.1 FindRoute messages	16
5.5.2 ClearDown messages	16
5.5.3 AddFlow messages	16
5.5.4 NetworkData and EndToEndData messages.....	16
5.5.5 AsyncSetup messages	17
5.5.6 Extended message types.....	17
5.6 Information element types	17
5.6.1 Coding of “type” field	17
5.6.2 Called address	18
5.6.3 Flow descriptor.....	18
5.6.4 Data format or protocol.....	19
5.6.5 Start time.....	19
5.6.6 End time.....	19
5.6.7 Call importance	19
5.6.8 Service (or programme) name	19
5.6.9 Source name	19
5.6.10 Destination name.....	20
5.6.11 Privilege level.....	20
5.6.12 Password	20
5.6.13 Charge for call.....	20
5.6.14 Calling address.....	20
5.6.15 Route metric.....	20
5.6.16 Synchronous service parameters.....	21
5.6.17 Asynchronous service parameters	21
5.6.18 Link-specific resource allocations	22
5.6.19 End-to-end delay	22

5.6.20	Route identifier of multicast	22
5.6.21	Cause	23
5.6.22	Route and flow selection	23
5.6.23	Alternatives	23
5.6.24	Group	23
5.6.25	Interim offer	24
5.6.26	Path MTU	24
5.6.27	Number of destinations	25
5.6.28	Selector for an individual destination	25
5.6.29	User data	25
5.6.30	Extended IE types	25
6	Protocols	26
6.1	General	26
6.2	Establishing a route	27
6.2.1	Connection of flows	27
6.2.2	Request message	27
6.2.3	Action on receiving a FindRoute request	29
6.2.4	Action on receiving on a FindRoute response	31
6.2.5	Passing on a FindRoute confirmation	33
6.2.6	Action of the responder on receiving a FindRoute confirmation	33
6.2.7	FindRoute completion message	33
6.3	Disconnection of routes and flows	34
6.3.1	General	34
6.3.2	ClearDown request message	34
6.3.3	Action on receiving a ClearDown request message	35
6.4	Adding new flows to an existing route	35
6.5	Information messages related to a route	35
6.5.1	General	35
6.5.2	Notification of the number of destinations	36
6.5.3	Changing service parameters	36
6.5.4	Out-of-band data	36
6.6	Quasi-connectionless service	36
6.6.1	General	36
6.6.2	Request message	36
6.6.3	Action on receiving request	37
7	Media formats	37
7.1	Identification	37
7.2	Packet data	37
7.2.1	General packet data	37
7.2.2	Other packet formats	38
7.3	Pulse-code modulated audio	38
7.3.1	Rationale	38
7.3.2	Sequencing octet	38
7.3.3	Subframe format	39
7.3.4	Frame format	39
7.3.5	Transport	40
7.3.6	Signalling of format	40
8	Cause codes	42
8.1	ITU-T standard cause codes	42

8.2 Other cause codes	42
Annex A (informative) Background.....	43
Bibliography.....	52
Figure 1 – Structure of flow identifier	10
Figure 2 – Signalling message format	13
Figure 3 – Signalling message header	13
Figure 4 – Information element header.....	15
Figure 5 – Information element with a nonempty fixed part and a variable part.....	15
Figure 6 – Fixed part of FlowDescriptor IE	18
Figure 7 – Fixed part of multicast route identifier IE	22
Figure 8 – Sequencing octet	38
Figure 9 – “Short” bit string value.....	38
Figure 10 – “Long” bit string value	39
Table 1 – Address type codes.....	12
Table 2 – Message class	13
Table 3 – Message type	14
Table 4 – Information element types	17

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**COMMON CONTROL INTERFACE FOR NETWORKED
DIGITAL AUDIO AND VIDEO PRODUCTS –****Part 5-2: Transmission over networks –
Signalling****FOREWORD**

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International Standard IEC 62379-5-2 has been prepared by technical area 4: Digital system interfaces and protocols of IEC technical committee 100: Audio, video and multimedia systems and equipment.

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

CDV	Report on voting
100/2050/CDV	100/2158/RVC

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

A list of all parts in the IEC 62379 series, published under the general title *Common control interface for networked digital audio and video products*, can be found on the IEC website.

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

The committee has decided that the contents of this publication will remain unchanged until the stability 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.

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

INTRODUCTION

IEC 62379 specifies the Common Control Interface, a protocol for managing networked audiovisual equipment. The following parts exist or are planned:

- 1 General
- 2 Audio
- 3 Video
- 4 Data
- 5 Transmission over networks
- 6 Packet transfer service
- 7 Measurement

IEC 62379-1:2007 specifies aspects which are common to all equipment, and it includes an introduction to the Common Control Interface.

IEC 62379-2:2008, IEC 62379-3 (under consideration) and IEC 62379-4 (under consideration) specify control of internal functions specific to equipment carrying particular types of live media. IEC 62379-4 refers to time-critical data such as commands to automation equipment, but not to packet data such as the control messages themselves.

IEC 62379-5 specifies control of transmission of these media over each individual network technology. It includes network specific management interfaces along with network specific control elements that integrate into the control framework.

IEC 62379-5-1 specifies management of aspects which are common to all network technologies. IEC 62379-5-3 onwards specify management of aspects which are particular to individual networking technologies.

IEC 62379-5-2 (this standard) specifies protocols which can be used between networking equipment to enable the setting up of calls which are routed across different networking technologies.

IEC 62379-6 specifies carriage of control and status messages and non-audiovisual data over transports that do not support audio and video, such as RS232 serial links, with (as for IEC 62379-5) a separate subpart for each technology.

IEC 62379-7 specifies aspects that are specific to the measurement of the service experienced by audio and video streams and in particular to the requirements of EBU ECN-IPM Measurements Group.

COMMON CONTROL INTERFACE FOR NETWORKED DIGITAL AUDIO AND VIDEO PRODUCTS –

Part 5-2: Transmission over networks – Signalling

1 Scope

This part of IEC 62379 specifies protocols which can be used between networking equipment to enable the setting up of calls which are routed across different networking technologies.

It also specifies encapsulation of digital media within those calls.

2 Normative references

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

IEC 60958 (all parts), *Digital audio interface*

IEC 62365:2009, *Digital audio – Digital input-output interfacing – Transmission of digital audio over asynchronous transfer mode (ATM) networks*

IEC 62379 (all parts), *Common control interface for networked digital audio and video products*

IEC 62379-1, *Common control interface for networked digital audio and video products – Part 1: General*

IEC 62379-2:2008, *Common control interface for networked digital audio and video products – Part 2: Audio*

IEC 62379-5-1, *Common control interface for networked digital audio and video products – Part 5-1: Transmission over networks – General*¹

ITU-T Recommendation Q.850, *Usage of cause and location in the digital subscriber signalling system No. 1 and the signalling system No.7 ISDN used part*

AES53, *AES standard for digital audio – Digital input-output interfacing – Sample-accurate timing in AES47* (Audio Engineering Society, New York, NY, USA)

¹ To be published.