Common control interface for networked digital audio and video products - Part 5-2: Transmission over networks - Signalling (TA4)

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Common control interface for networked digital audio and video products - Part 5-2: Transmission over networks - Signalling (TA4) (IEC 62379-5-2:2014)

Interface de contrôle commune pour produits audio et vidéo numériques en réseau - Partie 5-2: Transmission sur les réseaux - Signalisation (TA4) (CEI 62379-5-2:2014)

Gemeinsame Steuerschnittstelle für netzwerkbetriebene digitale Audio- und Videogeräte - Teil 5-2: Übertragung über Netzwerke - Signalisierung (IEC 62379-5-2:2014)

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Foreword

The text of document 100/2050/CDV, future edition 1 of IEC 62379-5-2, prepared by IEC/TC 100, "Audio, video and multimedia systems and equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62379-5-2:2014.

The following dates are fixed:

• latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2015-01-11
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2017-04-11

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The text of the International Standard IEC 62379-5-2:2014 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60958-4	NOTE	Harmonised as EN 60958-4.
IEC 61883 (Series)	NOTE	Harmonised as EN 61883 (Series).
IEC 61937 (Series)	NOTE	Harmonised as EN 61937 (Series).

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Annex ZA
(normative)
Normative references to international publications with their corresponding European publications

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.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu

Publication	Year	Title	EN/HD	Year
IEC 60958	-	Digital audio interface	EN 60958	-
IEC 62365	2009	Digital audio - Digital input-output interfacing - Transmission of digital audio over asynchronous transfer mode (ATM) networks	EN 62365	2009
IEC 62379	series	Common control interface for networked digital audio and video products	EN 62379	series
IEC 62379-2	2008	Common control interface for networked digital audio and video products -- Part 2: Audio	EN 62379-2	2009
IEC 62379-5-1	-	Common control interface for networked digital audio and video products -- Part 5-1: Transmission over networks - General	FprEN 62379-5-1	-
AES53	-	AES standard for digital audio - Digital input-output interfacing - Sample-accurate timing in AES47	-	-
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 user part	-	-

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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.

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