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**Kabelska omrežja za televizijske in zvokovne signale ter interaktivne storitve –  
7-3. del: Nadzorovanje stanja zunanjih inštalacij omrežij hibridnih optično-  
koaksialnih kablov – Specifikacija napajalnika za vodilo vmesnika  
transponderja (PSTIB) (IEC 60728-7-3:2003)**

**(istoveten EN 60728-7-3:2005)**

Cable networks for television signals, sound signals and interactive services – Part  
7-3: Hybrid Fibre Coax Outside Plant Status Monitoring – Power supply to  
Transponder Interface Bus (PSTIB) Specification (IEC 60728-7-3:2003)

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English version

**Cable networks for television signals,  
sound signals and interactive services**  
**Part 7-3: Hybrid Fibre Coax Outside Plant Status Monitoring –  
Power supply to Transponder Interface Bus (PSTIB) Specification**  
(IEC 60728-7-3:2003)

Réseaux de distribution par câbles  
pour signaux de télévision, signaux  
de radiodiffusion sonore et services  
interactifs

Partie 7-3: Surveillance de l'état  
des installations extérieures des réseaux  
hybrides à fibre optique et câble coaxial –  
Spécification de l'alimentation du bus  
d'interface du répéteur  
(CEI 60728-7-3:2003)

Kabelnetze für Fernsehsignale,  
Tonsignale und interaktive Dienste  
Teil 7-3: Zustandsüberwachung  
Hybrid-Faser-Koax-Netze (HFC) –  
Festlegung Schnittstellenbus  
von Fernspeise-Stromversorgung  
zu Transponder (PSTIB)  
(IEC 60728-7-3:2003)

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in one official version (English). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**Central Secretariat: rue de Stassart 35, B - 1050 Brussels**

## Foreword

The text of the International Standard IEC 60728-7-3:2003, prepared by technical area 5: Cable networks for television signals, sound signals and interactive services, of IEC TC 100, Audio, video and multimedia systems and equipment, was submitted to the formal vote and was approved by CENELEC as EN 60728-7-3 on 2004-12-01 without any modification.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2005-12-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2007-12-01

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 60728-7-3:2003 was approved by CENELEC as a European Standard without any modification.

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## **Annex ZA** (normative)

### **Normative references to international publications with their corresponding European publications**

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.

NOTE Where an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
EIA 485	1991	Electrical characteristics of generators and receivers for use in balanced digital multipoint systems	-	-

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# INTERNATIONAL STANDARD

# IEC 60728-7-3

First edition  
2003-10

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## Cable networks for television signals, sound signals and interactive services –

### Part 7-3: Hybrid Fibre Coax Outside Plant Status Monitoring – Power supply to Transponder Interface Bus (PSTIB) Specification

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**CABLE NETWORKS FOR TELEVISION SIGNALS,  
SOUND SIGNALS AND INTERACTIVE SERVICES –**

**Part 7-3: Hybrid Fibre Coax Outside Plant Status Monitoring –  
Power Supply to Transponder Interface Bus (PSTIB) specification**

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 60728-7-3 has been prepared by technical area 5: Cable networks for television signals, sound signals and interactive services, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

This standard was submitted to the national committees for voting under the Fast Track Procedure as the following documents:

CDV	Report on voting
100/578/CDV	100/685/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.

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 2006. At this date, the publication will be

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

The following differences exist in some countries:

The Japanese *de facto* standard (NCTEA S-006) concerning requirements for the HFC outside plant management, which was published in 1995, has already been available in Japan. The purpose of this standard is to support the design and implementation of interoperable management systems for HFC cable networks used in Japan.

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## INTRODUCTION

Standards of the IEC 60728 series deal with cable networks for television signals, sound signals and interactive services including equipment, systems and installations for

- head-end reception, processing and distribution of television and sound signals and their associated data signals, and
  - processing, interfacing and transmitting all kinds of signals for interactive services
- using all applicable transmission media.

All kinds of networks like

- CATV-networks,
- MATV-networks and SMATV-networks,
- individual receiving networks

and all kinds of equipment, systems and installations installed in such networks, are within this scope.

The extent of this standardization work is from the antennas, special signal source inputs to the head-end or other interface points to the network up to the system outlet or the terminal input, where no system outlet exists.

The standardization of any user terminals (i.e. tuners, receivers, decoders, multimedia terminals, etc.) as well as of any coaxial and optical cables and accessories therefore is excluded.

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