

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

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**Digital living network alliance (DLNA) home networked device interoperability  
guidelines –  
Part 4: DRM interoperability solutions**

**Directives d'interopérabilité des dispositifs de réseau domestique DLNA (digital  
living network alliance) –  
Partie 4: Solutions d'interopérabilité de gestion des droits numériques**



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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**DIGITAL LIVING NETWORK ALLIANCE (DLNA) HOME  
NETWORKED DEVICE INTEROPERABILITY GUIDELINES –****Part 4: DRM interoperability solutions**

## FOREWORD

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International Standard IEC 62481-4 has been prepared technical area 9: Audio, video and multimedia applications for end-user network, by IEC technical committee 100: Audio, video and multimedia systems and equipment.

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

FDIS	Report on voting
100/2250/FDIS	100/2286/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 2.

A list of all parts of IEC 62481 series, published under the general title *Digital living network alliance (DLNA) home networked device interoperability guidelines*, can be found on the IEC website.

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- withdrawn,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.

## INTRODUCTION

Consumers are acquiring, viewing, and managing an increasing amount of digital media (photos, music, and video) on devices in the Consumer Electronics (CE), mobile, and Personal Computer (PC) domains. As such, they want to conveniently enjoy the content, regardless of the source, across different devices and locations in the home. The digital home vision integrates the Internet, mobile, and broadcast networks through a seamless, interoperable network, which will provide a unique opportunity for manufacturers and consumers alike. In order to cater for this need, a common set of industry design guidelines is needed that allows vendors to participate in a growing marketplace, leading to more innovation, simplicity, and value for consumers. This International Standard serves that purpose and provides vendors with the information needed to build interoperable networked platforms and devices for the digital home.

# DIGITAL LIVING NETWORK ALLIANCE (DLNA) HOME NETWORKED DEVICE INTEROPERABILITY GUIDELINES –

## Part 4: DRM interoperability solutions

### 1 Scope

This part of IEC 62481 specifies DLNA guidelines for DRM interoperability.

The set of guidelines in this part of IEC 62481 are based on DLNA DRM Interoperability Solutions (DIS), which are defined as methods to enable the secure transfer and use of protected commercial content among different implementations on network media devices. This content could be protected by different content protection technologies. In this standard they are referred to as DRMs.

The guidelines are not intended to replace or disable other interoperability mechanisms that could already be in place, e.g. DLNA Link Protection guidelines stated in IEC 62481-3 or mechanisms provided by underlying DRMs.

### 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 62481-1:2013, *Digital Living Network Alliance (DLNA) home networked device interoperability guidelines – Part 1: Architecture and protocols*

IEC 62481-2:2013, *Digital Living Network Alliance (DLNA) home networked device interoperability guidelines – Part 2: DLNA media formats*

IEC 62481-3:2013, *Digital Living Network Alliance (DLNA) home networked device interoperability guidelines – Part 3: Link protection*

ISO/IEC 29341-3-12, *Information technology – UPnP Device Architecture – Part 3-12: Audio Video Device Control Protocol – Content Directory Service*

DTCP Volume 1 (informational version), *Digital Transmission Content Protection Specification Volume 1*, Revision 1.51: October 1, 2007  
[http://www.dtcp.com/data/info\\_20071001\\_DTCP\\_V1\\_1p51.pdf](http://www.dtcp.com/data/info_20071001_DTCP_V1_1p51.pdf)

DTCP Volume 1 Supplement E (Informational Version), *Mapping DTCP to IP*, Revision 1.2: June 15, 2007  
[http://www.dtcp.com/data/info\\_20070615\\_DTCP\\_V1SE\\_1p2.pdf](http://www.dtcp.com/data/info_20070615_DTCP_V1SE_1p2.pdf)

DTCP Adopter Agreement, *Digital Transmission Content Protection License Agreement, DTLA*, June 30, 2007  
<http://www.dtcp.com/>