Digital living network alliance (DLNA) home networked device interoperability guidelines

Part 3: Link protection
This British Standard is the UK implementation of EN 62481-3:2014. It is identical to IEC 62481-3:2013. It supersedes BS EN 62481-3:2011 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee EPL/100, Audio, video and multimedia systems and equipment.

A list of organizations represented on this committee can be obtained on request to its secretary.

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(IEC 62481-3:2013)

Lignes directrices pour l'interopérabilité des dispositifs domestiques DLNA (Digital Living Network Alliance) - Partie 3: Protection des liaisons
(CEI 62481-3:2013)

Digital living network alliance (DLNA) Interoperabilitäts-Richtlinien für Geräte im Heimnetzwerk - Teil 3: Verbindungsschutz
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Foreword


The following dates are fixed:

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- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-11-27

This document supersedes EN 62481-3:2011.
EN 62481-3:2014 includes the following significant technical changes with respect to EN 62481-3:2011:

a) includes variable play (trick mode) support;
b) includes updates to resolve interoperability issues.

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Endorsement notice

The text of the International Standard IEC 62481-3:2013 was approved by CENELEC as a European Standard without any modification.
### 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** When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

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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 achieve this interoperability, 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 standard serves that purpose and provides vendors with the information needed to build interoperable networked platforms and devices for the digital home.

This standard is organized to align with the overall structure of IEC 62481-1 and IEC 62481-2.
1 Scope

This part of IEC 62481 specifies the DLNA link protection guidelines, which are an extension of the DLNA guidelines. DLNA link protection is defined as the protection of a content stream between two devices on a DLNA network from illegitimate observation or interception using the protocols defined within this part of IEC 62481.

Content protection is an important mechanism for ensuring that commercial content is protected from piracy and illegitimate redistribution. Link Protection is a technique that enables distribution of protected commercial content on a home network, thus resulting in greater consumer flexibility while still preserving the rights of copyright holders and content providers.

The guidelines in this part of IEC 62481 reference existing technologies for Link Protection and provide mechanisms for interoperability between different implementations as well as integration with the DLNA architecture.

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


IETF RFC 1191, Path MTU Discovery, J. Mogul, DECWRL, S. Deering, Stanford University, November 1990
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