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Digital living network alliance (DLNA) home networked device interoperability guidelines – Part 5: Device Profiles

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FOREWORD

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International Standard IEC 62481-5 has been prepared under technical area 8: Multimedia home systems and applications for end-user network, IEC technical committee 100: Audio, video and multimedia systems and equipment.

This second edition cancels and replaces the first edition published in 2013. This edition constitutes a technical revision.

This edition includes the following changes with respect to the previous edition:

a) removal of CVP-NA-1;
b) addition of CVP-2.

The text of this International Standard is based on the following documents:

CDV	Report on voting
100/2734/CDV	100/2884/RVC

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

This document 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 document will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific document. At this date, the document will be

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- withdrawn,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

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

IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.

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 document 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 5: Device Profiles

1 Scope

This part of IEC 62481 (the DLNA guidelines) specifies guidelines that define various DLNA Device Profiles. A Device Profile is a collection of DLNA capabilities and features within a DLNA device. A device is compliant with a Device Profile when it conforms to all the guidelines listed for that Device Profile.

In practice, Device Profiles reference existing optional or recommended DLNA guidelines that enable certain features, and make those DLNA guidelines mandatory within the context of a Device Profile. A Device Profile can also provide some additional guidelines that complement or modify existing DLNA guidelines for a feature.

A particular type of the DLNA Device Profile is the Commercial Video Profile (CVP). A CVP Device Profile is an extension of the DLNA guidelines that allows content from service providers and multichannel video programming distributers to be distributed on the DLNA network. DLNA Commercial Video Profiles (CVPs) are defined as Device Profiles that consistently enable commercial content that enters the home network through a gateway device via an interface to a commercial content service provider. Since different regions of the world have different requirements for commercial content, multiple CVPs are defined.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

IEC 62481-1-1:2017, *Digital living network alliance (DLNA) home networked device interoperability guidelines – Part 1-1: Architecture and protocols*

IEC 62481-1-2:2017, *Digital living network alliance (DLNA) home networked device interoperability guidelines – Part 1-2: Architecture and protocols – Extended Digital Media Renderer*

IEC 62481-2:2017, *Digital living network alliance (DLNA) home networked device interoperability guidelines – Part 2: DNLA media formats*

IEC 62481-3:2017, *Digital living network alliance (DLNA) home networked device interoperability guidelines – Part 3: Link protection*

IEC 62481-6-1:2017, *Digital living network alliance (DLNA) home networked device interoperability guidelines – Part 6-1: Remote user interface – HTML5*

IEC 62481-7:2017, *Digital living network alliance (DLNA) home networked device interoperability guidelines – Part 7: Authentication*

IEC 62481-8:2017, *Digital living network alliance (DLNA) home networked device interoperability guidelines – Part 8: Diagnostics*

IEC 62481-9:2017, *Digital living network alliance (DLNA) home networked device interoperability guidelines – Part 9: HTTP adaptive delivery*

IEC 62481-10:2017, *Digital living network alliance (DLNA) home networked device interoperability guidelines – Part 10: Low power mode*

DTLA CVP-2, *DTLA CVP-2 Volume 1 Specification, Digital Transmission Licensing Administrator (DTLA)*
http://www.dtcp.com/specifications.aspx

W3C HTML5 Specification, *A vocabulary and associated APIs for HTML and XHTML*
http://dev.w3.org/html5/spec

W3C SELECTORS, *Cascading Style Sheets Selectors Level 3, W3C*
http://www.w3.org/TR/selectors/

W3C NAMESPACES, *Cascading Style Sheets Namespaces Module, W3C*
www.w3.org/TR/css3-namespace/

W3C SELECTORS-API, *Cascading Style Sheets Selectors API Level 1, W3C*
http://www.w3.org/TR/selectors-api/