

**Digital living network alliance (DLNA) home networked  
device interoperability guidelines -- Part 5: DLNA Device  
Profile guidelines**

This document is a preview generated by EVS

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 62481-5:2014 sisaldab Euroopa standardi EN 62481-5:2014 inglisekeelset teksti.	This Estonian standard EVS-EN 62481-5:2014 consists of the English text of the European standard EN 62481-5:2014.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 07.02.2014.	Date of Availability of the European standard is 07.02.2014.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile [standardiosakond@evs.ee](mailto:standardiosakond@evs.ee).

ICS 33.160, 35.100.05, 35.110

### **Standardite reprodutseerimise ja levitamise õigus kuulub Eesti Standardikeskusele**

Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonsesse süsteemi või edastamine ükskõik millises vormis või millisel teel ilma Eesti Standardikeskuse kirjaliku loata on keelatud.

Kui Teil on küsimusi standardite autorikaitse kohta, võtke palun ühendust Eesti Standardikeskusega:  
Aru 10, 10317 Tallinn, Eesti; [www.evs.ee](http://www.evs.ee); telefon 605 5050; e-post [info@evs.ee](mailto:info@evs.ee)

### **The right to reproduce and distribute standards belongs to the Estonian Centre for Standardisation**

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, without a written permission from the Estonian Centre for Standardisation.

If you have any questions about copyright, please contact Estonian Centre for Standardisation:  
Aru 10, 10317 Tallinn, Estonia; [www.evs.ee](http://www.evs.ee); phone 605 5050; e-mail [info@evs.ee](mailto:info@evs.ee)

**Digital living network alliance (DLNA) home networked device  
interoperability guidelines -  
Part 5: DLNA Device Profile guidelines  
(IEC 62481-5:2013)**

Lignes directrices pour l'interopérabilité  
des dispositifs domestiques DLNA (Digital  
Living Network Alliance) -  
Partie 5: Directives sur les profils des  
appareils DLNA  
(CEI 62481-5:2013)

Digital living network alliance (DLNA)  
Interoperabilitäts-Richtlinien für Geräte im  
Heimnetzwerk -  
Teil 5: DLNA Geräteprofil-Richtlinien  
(IEC 62481-5:2013)

This European Standard was approved by CENELEC on 2013-11-27. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

**CENELEC**

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

**CEN-CENELEC Management Centre: Avenue Marnix 17, B - 1000 Brussels**

## Foreword

The text of document 100/1996/CDV, future edition 1 of IEC 62481-5, prepared by technical area 9, "Audio, video and multimedia applications for end-user network", of IEC/TC 100, "Audio, video and multimedia systems and equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62481-5:2014.

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) 2014-08-27
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-11-27

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

## Endorsement notice

The text of the International Standard IEC 62481-5:2013 was approved by CENELEC as a European Standard without any modification.

Preview generated by EVS

## 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 When 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>
IEC 62481-1	2013	Digital living network alliance (DLNA) home networked device interoperability guidelines - Part 1: Architecture and protocols	EN 62481-1	2014
IEC 62481-2	2013	Digital living network alliance (DLNA) home networked device interoperability guidelines - Part 2: DLNA media formats	EN 62481-2	2014
IEC 62481-3	2013	Digital living network alliance (DLNA) home networked device interoperability guidelines - Part 3: Link protection	EN 62481-3	2014

## CONTENTS

FOREWORD.....	3
INTRODUCTION.....	5
1 Scope.....	6
2 Normative references .....	6
3 Terms, definitions and abbreviated terms .....	6
3.1 Terms and definitions .....	6
3.2 Abbreviations .....	7
3.3 Conventions .....	7
4 Networking architecture, device models and guideline conventions .....	7
4.1 DLNA home networking architecture.....	7
4.2 DLNA device model.....	7
4.3 Document conventions and conventions.....	7
5 DLNA Device Profile guidelines .....	7
5.1 Overview .....	7
5.2 Defined Device Profiles .....	7
6 CVP-NA-1 guideline requirements .....	8
6.1 Device Profile definition.....	8
6.2 Media format guidelines – NA media format profiles .....	8
6.3 Client architecture and protocol guidelines .....	8
6.3.1 Baseline client.....	8
6.3.2 Client device discovery and control.....	8
6.4 Trick modes.....	9
6.5 DLNA Link Protection .....	10
6.6 DLNAQOS.....	10
Table 1 – CVP-NA-1 Device Profile definition.....	8
Table 2 – Updates to existing general HTTP Media Transport for streaming transfer guidelines .....	9
Table 3 – Updates to existing general HTTP Media Transport for streaming transfer guidelines with DLNA Link Protection.....	9
Table 4 – Updates to existing QoS requirement guidelines.....	10

## INTRODUCTION

This International Standard is structured differently from the other parts of the IEC 62841 series of standards, to allow each DLNA Device Profile to be a standalone clause.

Clauses 1 through 5 align with the overall structure of IEC 62481-1:2013 and IEC 62481-2:2013, Clauses 1 to 7. However, only the generic guidelines description of IEC 62481-2:2013, Clause 7 applies.

This document is a preview generated by EVS