INTERNATIONAL STANDARD

ISO/IEC 17811-2

First edition
2015-02-15

Information technology — Device control and management —

Part 2: Specification of Device Control and Management Protocol

Technologies de l'information — Commande et gestion de périphériques —

Partie 2: Spécifications du protocole de commande et gestion de périphériques

Reference number
ISO/IEC 17811-2:2015(E)

© ISO/IEC 2015

COPYRIGHT PROTECTED DOCUMENT

© ISO/IEC 2015

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword ... **iv**

Introduction ... **v**

1 Scope ... **1**

2 Terms and definitions ... **1**

3 Abbreviation ... **2**

4 Overview ... **2**

5 Protocol Operation ... **4**
5.1 Device Discovery ... 4
5.2 Device Advertisement ... 5
5.3 Device Information Retrieval ... 5
5.4 Device Control ... 5
5.5 Event Notification ... 6
5.6 Event Subscription ... 6
5.7 Get File Information ... 7
5.8 File Download ... 7
5.9 File Upload ... 8
5.10 Apply ... 9
5.11 Device Registration ... 9
5.12 Service Registration ... 10

6 Messages ... **10**
6.1 DCMP Message Structure ... 10
6.2 Messages according to the Operations ... 12
6.3 Error Types of DCMP ... 13
6.4 Payload Messages ... 15

Annex A (normative) **Unit Types and Codes** ... **50**

Annex B (normative) **Device Types** ... **51**

Annex C (informative) **XML Schema and Example of DCMP Payload Message** ... **52**

Bibliography ... **130**

© ISO/IEC 2015 – All rights reserved