ISO/IEC 29341-4-3:2008-11 (E)

Information technology_- UPnP Device Architecture_- Part_4-3: Audio Video Device Control Protocol_- Level 2_- Media Server Device

CONTENTS

FOREWORD 4
ORIGINAL UPNP DOCUMENTS (informative) 6
1 Overview and Scope 8
1.1 Introduction 8
1.2 Notation 9
1.2.1 Data Types 9
1.2.2 Strings Embedded in Other Strings 10
1.2.3 Extended Backus-Naur Form 10
1.3 Derived Data Types 11
1.3.1 Comma Separated Value (CSV) Lists 11
1.4 Management of XML Namespaces in Standardized DCPs 13
1.4.1 Namespace Prefix Requirements 16
1.4.2 Namespace Names, Namespace Versioning and Schema Versioning 17
1.4.3 Namespace Usage Examples 18
1.5 Vendor-defined Extensions 19
1.6 References 19
2 Device Definitions 23
2.1 Device Type 23
2.2 Device Model 23
2.2.1 Description of Device Requirements 24
2.2.2 Relationships between Services 24
2.3 Theory of Operation 24
2.3.1 Device Discovery 25
2.3.2 Locating Desired Content 25
2.3.3 Preparing to Transfer the Content 25
2.3.4 Controlling the Transfer of the Content 26
2.3.5 Recording Content 26
3 XML Device Description 27
4 Test 29

LIST OF TABLES

Table 1-1: EBNF Operators....11
Table 1-2: CSV Examples....13
Table 1-3: Namespace Definitions....15
Table 1-4: Schema-related Information....16
Table 1-5: Default Namespaces for the AV Specifications....17
Table 2-6: Device Requirements....23

LIST OF FIGURES

Figure 1: MediaServer Functional Diagram....9