

ISO/IEC 29341-14-3:2011-08 (E)

Information technology - UPnP Device Architecture - Part 14-3: Audio Video Device Control Protocol - Level 3 - Media Server Device

Contents		Page
1	Overview and Scope.....	2
1.1	Introduction	2
1.2	Notation	3
1.2.1	Data Types	3
1.2.2	Strings Embedded in Other Strings.....	3
1.2.3	Extended Backus-Naur Form.....	4
1.3	Derived Data Types	4
1.3.1	Comma Separated Value (CSV) Lists	4
1.4	Management of XML Namespaces in Standardized DCPs.....	6
1.4.1	Namespace Prefix Requirements.....	9
1.4.2	Namespace Names, Namespace Versioning and Schema Versioning	10
1.4.3	Namespace Usage Examples	12
1.5	Vendor-defined Extensions	12
1.5.1	Vendor-defined Action Names	12
1.5.2	Vendor-defined State Variable Names	13
1.5.3	Vendor-defined XML Elements and attributes	13
1.5.4	Vendor-defined Property Names.....	13
1.6	References.....	13
2	Device Definitions.....	16
2.1	Device Type	16
2.2	Device Model	16
2.2.1	Description of Device Requirements	17
2.2.2	Relationships between Services	17
2.3	Theory of Operation.....	18
2.3.1	Device Discovery	18
2.3.2	Locating Desired Content.....	18
2.3.3	Preparing to Transfer the Content	18
2.3.4	Controlling the Transfer of the Content.....	19
2.3.5	Recording Content	19
3	XML Device Description.....	19
4	Test	20
Figure 1 — MediaServer Functional Diagram.....		2
Table 1-1 — EBNF Operators.....		4
Table 1-2 — CSV Examples		6
Table 1-3 — Namespace Definitions.....		8
Table 1-4 — Schema-related Information		9
Table 1-5 — Default Namespaces for the AV Specifications.....		10