ISO/IEC 29341-8-15:2008-11 (E)

Information technology_- UPnP Device Architecture_- Part_8-15: Internet Gateway Device Control Protocol_- Wide Area Network Common Interface Configuration Service

CONTENTS

FOREWORD 4

ORIGINAL UPNP DOCUMENTS (informative) 6

1. Overview and Scope 8

2. Service Modeling Definitions 9

2.1. ServiceType 9

2.2. State Variables 9

2.2.1. WANAccessType 10
2.2.2. Layer1UpstreamMaxBitRate 10
2.2.3. Layer1DownstreamMaxBitRate 10
2.2.4. PhysicalLinkStatus 11
2.2.5. WANAccessProvider 11
2.2.6. MaximumActiveConnections 11
2.2.7. NumberOfActiveConnections 11
2.2.8. ActiveConnectionDeviceContainer & ActiveConnectionServiceID 11
2.2.9. TotalBytesSent 11
2.2.10. TotalBytesReceived 11
2.2.11. TotalPacketsSent 12
2.2.12. TotalPacketsReceived 12
2.2.13. EnabledForInternet 12
2.2.14. Relationships Between State Variables 12

2.3. Eventing and Moderation 13

2.3.1. Event Model 13

2.4. Actions 14

2.4.1. SetEnabledForInternet 14
2.4.2. GetEnabledForInternet 15
2.4.3. GetCommonLinkProperties 15
2.4.4. GetWANAccessProvider 16
2.4.5. GetMaximumActiveConnections 16
2.4.6. GetTotalBytesSent 17
2.4.7. GetTotalBytesReceived 17
2.4.8. GetTotalPacketsSent 18
2.4.9. GetTotalPacketsReceived 18
2.4.10. GetActiveConnection 19
2.4.11. Non-Standard Actions Implemented by a UPnP Vendor 19
2.4.12. Relationships Between Actions 19
2.4.13. Common Error Codes 20

2.5. Theory of Operation 20

3. XML Service Description 21

4. Test 25

LIST OF TABLES

Table 1: State Variables 9
Table 1.1: AllowedValueList for `WANAccessType` 10
Table 1.2: AllowedValueList for `PhysicalLinkStatus` 10
Table 2: Event Moderation 13
Table 3: Actions 14
Table 4: Arguments for `SetEnabledForInternet` 14
Table 5: Arguments for `GetEnabledForInternet` 15
Table 6: Arguments for `GetCommonLinkProperties` 15
Table 7: Arguments for `GetWANAccessProvider` 16
Table 8: Arguments for `GetMaximumActiveConnections` 16
Table 9: Arguments for `GetTotalBytesSent` 17
Table 10: Arguments for `GetTotalBytesReceived` 17
Table 11: Arguments for `GetTotalPacketsSent` 18
Table 12: Arguments for `GetTotalPacketsReceived` 18
Table 13: Arguments for `GetActiveConnection` 19
Table 14: Common Error Codes 20