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**Information technology – UPnP Device Architecture –
Part 8-16: Internet Gateway Device Control Protocol – Wide Area Network Digital
Subscriber Line Configuration Service**

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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. LinkType	10
2.2.2. LinkStatus	11
2.2.3. AutoConfig	11
2.2.4. ModulationType.....	11
2.2.5. DestinationAddress	11
2.2.6. ATMEncapsulation.....	11
2.2.7. FCSPreserved	11
2.2.8. Relationships Between State Variables	11
2.3. Eventing and Moderation	12
2.3.1. Event Model	12
2.4. Actions.....	13
2.4.1. SetDSLLinkType	13
2.4.2. GetDSLLinkInfo.....	14
2.4.3. GetAutoConfig	14
2.4.4. GetModulationType.....	15
2.4.5. SetDestinationAddress	15
2.4.6. GetDestinationAddress	16
2.4.7. SetATMEncapsulation	16
2.4.8. GetATMEncapsulation	17
2.4.9. SetFCSPreserved	17
2.4.10. GetFCSPreserved	18
2.4.11. Non-Standard Actions Implemented by a UPnP Vendor.....	18
2.4.12. Relationships Between Actions	18
2.4.13. Common Error Codes	18
2.5. Theory of Operation	19
3. XML Service Description.....	20
4. Test	23

LIST OF TABLES

Table 1: State Variables	9
Table 1.1: AllowedValueList for LinkType	10
Table 1.2: AllowedValueList for LinkStatus	10
Table 1.3: AllowedValueList for ModulationType	10
Table 1.4: AllowedValueList for ATMEncapsulation	10
Table 2: Event Moderation.....	12
Table 3: Actions	13
Table 4: Arguments for SetDSLLinkType.....	13
Table 5: Arguments for GetDSLLinkInfo.....	14
Table 6: Arguments for GetAutoConfig.....	14
Table 7: Arguments for GetModulationType	15
Table 8: Arguments for SetDestinationAddress	15
Table 9: Arguments for GetDestinationAddress	16
Table 10: Arguments for SetATMEncapsulation.....	16
Table 11: Arguments for GetATMEncapsulation.....	17
Table 12: Arguments for SetFCSPreserved	17
Table 13: Arguments for GetFCSPreserved	18
Table 14: Common Error Codes.....	18

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Part 8-16: Internet Gateway Device Control Protocol – Wide Area Network Digital Subscriber Line Configuration Service

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The list of all currently available parts of the ISO/IEC 29341 series, under the general title *Universal plug and play (UPnP) architecture*, can be found on the IEC web site.

This International Standard has been approved by vote of the member bodies, and the voting results may be obtained from the address given on the second title page.

ORIGINAL UPnP DOCUMENTS (informative)

Reference may be made in this document to original UPnP documents. These references are retained in order to maintain consistency between the specifications as published by ISO/IEC and by UPnP Implementers Corporation. The following table indicates the original UPnP document titles and the corresponding part of ISO/IEC 29341:

UPnP Document Title	ISO/IEC 29341 Part
UPnP Device Architecture 1.0	ISO/IEC 29341-1
UPnP Basic:1 Device	ISO/IEC 29341-2
UPnP AV Architecture:1	ISO/IEC 29341-3-1
UPnP MediaRenderer:1 Device	ISO/IEC 29341-3-2
UPnP MediaServer:1 Device	ISO/IEC 29341-3-3
UPnP AVTransport:1 Service	ISO/IEC 29341-3-10
UPnP ConnectionManager:1 Service	ISO/IEC 29341-3-11
UPnP ContentDirectory:1 Service	ISO/IEC 29341-3-12
UPnP RenderingControl:1 Service	ISO/IEC 29341-3-13
UPnP MediaRenderer:2 Device	ISO/IEC 29341-4-2
UPnP MediaServer:2 Device	ISO/IEC 29341-4-3
UPnP AV Datastructure Template:1	ISO/IEC 29341-4-4
UPnP AVTransport:2 Service	ISO/IEC 29341-4-10
UPnP ConnectionManager:2 Service	ISO/IEC 29341-4-11
UPnP ContentDirectory:2 Service	ISO/IEC 29341-4-12
UPnP RenderingControl:2 Service	ISO/IEC 29341-4-13
UPnP ScheduledRecording:1	ISO/IEC 29341-4-14
UPnP DigitalSecurityCamera:1 Device	ISO/IEC 29341-5-1
UPnP DigitalSecurityCameraMotionImage:1 Service	ISO/IEC 29341-5-10
UPnP DigitalSecurityCameraSettings:1 Service	ISO/IEC 29341-5-11
UPnP DigitalSecurityCameraStillImage:1 Service	ISO/IEC 29341-5-12
UPnP HVAC_System:1 Device	ISO/IEC 29341-6-1
UPnP HVAC_ZoneThermostat:1 Device	ISO/IEC 29341-6-2
UPnP ControlValve:1 Service	ISO/IEC 29341-6-10
UPnP HVAC_FanOperatingMode:1 Service	ISO/IEC 29341-6-11
UPnP FanSpeed:1 Service	ISO/IEC 29341-6-12
UPnP HouseStatus:1 Service	ISO/IEC 29341-6-13
UPnP HVAC_SetpointSchedule:1 Service	ISO/IEC 29341-6-14
UPnP TemperatureSensor:1 Service	ISO/IEC 29341-6-15
UPnP TemperatureSetpoint:1 Service	ISO/IEC 29341-6-16
UPnP HVAC_UserOperatingMode:1 Service	ISO/IEC 29341-6-17
UPnP BinaryLight:1 Device	ISO/IEC 29341-7-1
UPnP DimmableLight:1 Device	ISO/IEC 29341-7-2
UPnP Dimming:1 Service	ISO/IEC 29341-7-10
UPnP SwitchPower:1 Service	ISO/IEC 29341-7-11
UPnP InternetGatewayDevice:1 Device	ISO/IEC 29341-8-1
UPnP LANDevice:1 Device	ISO/IEC 29341-8-2
UPnP WANDevice:1 Device	ISO/IEC 29341-8-3
UPnP WANConnectionDevice:1 Device	ISO/IEC 29341-8-4
UPnP WLANAccessPointDevice:1 Device	ISO/IEC 29341-8-5
UPnP LANHostConfigManagement:1 Service	ISO/IEC 29341-8-10
UPnP Layer3Forwarding:1 Service	ISO/IEC 29341-8-11
UPnP LinkAuthentication:1 Service	ISO/IEC 29341-8-12
UPnP RadiusClient:1 Service	ISO/IEC 29341-8-13
UPnP WANCableLinkConfig:1 Service	ISO/IEC 29341-8-14
UPnP WANCommonInterfaceConfig:1 Service	ISO/IEC 29341-8-15
UPnP WANDSLLinkConfig:1 Service	ISO/IEC 29341-8-16
UPnP WANEthernetLinkConfig:1 Service	ISO/IEC 29341-8-17
UPnP WANIPConnection:1 Service	ISO/IEC 29341-8-18
UPnP WANPOTSLinkConfig:1 Service	ISO/IEC 29341-8-19
UPnP WANPPPoEConnection:1 Service	ISO/IEC 29341-8-20
UPnP WLANConfiguration:1 Service	ISO/IEC 29341-8-21
UPnP Printer:1 Device	ISO/IEC 29341-9-1
UPnP Scanner:1.0 Device	ISO/IEC 29341-9-2
UPnP ExternalActivity:1 Service	ISO/IEC 29341-9-10
UPnP Feeder:1.0 Service	ISO/IEC 29341-9-11
UPnP PrintBasic:1 Service	ISO/IEC 29341-9-12
UPnP Scan:1 Service	ISO/IEC 29341-9-13
UPnP QoS Architecture:1.0	ISO/IEC 29341-10-1
UPnP QoSDevice:1 Service	ISO/IEC 29341-10-10
UPnP QoSManager:1 Service	ISO/IEC 29341-10-11
UPnP QoSPolicyHolder:1 Service	ISO/IEC 29341-10-12
UPnP QoS Architecture:2	ISO/IEC 29341-11-1
UPnP QOS v2 Schema Files	ISO/IEC 29341-11-2

UPnP Document Title	ISO/IEC 29341 Part
UPnP QosDevice:2 Service	ISO/IEC 29341-11-10
UPnP QosManager:2 Service	ISO/IEC 29341-11-11
UPnP QosPolicyHolder:2 Service	ISO/IEC 29341-11-12
UPnP RemoteUIClientDevice:1 Device	ISO/IEC 29341-12-1
UPnP RemoteUIServerDevice:1 Device	ISO/IEC 29341-12-2
UPnP RemoteUIClient:1 Service	ISO/IEC 29341-12-10
UPnP RemoteUIServer:1 Service	ISO/IEC 29341-12-11
UPnP DeviceSecurity:1 Service	ISO/IEC 29341-13-10
UPnP SecurityConsole:1 Service	ISO/IEC 29341-13-11

1. Overview and Scope

This service definition is compliant with the UPnP Device Architecture version 1.0.

This service-type models physical and link layer properties specific to a single physical connection of a Digital Subscriber Line (DSL) modem used for Internet access on an *InternetGatewayDevice**. These properties are common across the different instances of *WANPPPCConnection* and *WANIPConnection* services of the same *WANConnectionDevice*.

The service is OPTIONAL for supporting DSL WAN interfaces. The use of this service is relevant only for DSL WAN interfaces of an *InternetGatewayDevice*.

It is specified in:

urn:schemas-upnp-org:device:*WANConnectionDevice* in
urn:schemas-upnp-org:device:*WANDevice*,
one or more instances of which are specified under the root device
urn:schemas-upnp-org:device:*InternetGatewayDevice*

NOTE: A *WANDevice* also provides a *WANCommonInterfaceConfig* service that encapsulates Internet access properties common across all *WANConnectionDevice* of the same WAN interface *WANDevice*.

* Refer to companion documents defined by the UPnP Internet Gateway working committee for more details on specific devices and services referenced in this document.