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**Information technology – UPnP Device Architecture –
Part 8-14: Internet Gateway Device Control Protocol – Wide Area Network Cable
Link 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. CableLinkConfigState	10
2.2.2. LinkType	11
2.2.3. DownstreamFrequency	11
2.2.4. DownstreamModulation	11
2.2.5. UpstreamFrequency	11
2.2.6. UpstreamModulation	11
2.2.7. UpstreamChannelID	11
2.2.8. UpstreamPowerLevel	11
2.2.9. BPIEncryptionEnabled	11
2.2.10. ConfigFile	11
2.2.11. TFTPServer	11
2.2.12. Relationships Between State Variables	11
2.3. Eventing and Moderation	12
2.3.1. Event Model	12
2.4. Actions	13
2.4.1. GetCableLinkConfigInfo	13
2.4.2. GetDownstreamFrequency	14
2.4.3. GetDownstreamModulation	14
2.4.4. GetUpstreamFrequency	15
2.4.5. GetUpstreamModulation	15
2.4.6. GetUpstreamChannelID	16
2.4.7. GetUpstreamPowerLevel	16
2.4.8. GetBPIEncryptionEnabled	17
2.4.9. GetConfigFile	17
2.4.10. GetTFTPServer	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
2.5.1. Connection Initiation	19
2.5.2. Deployment Scenarios	22
3. XML Service Description	23
4. Test	26

LIST OF TABLES

Table 1: State Variables	9
Table 1.1: AllowedValueList for CableLinkConfigState.....	10
Table 1.2: AllowedValueList for LinkType.....	10
Table 1.3: AllowedValueList for DownstreamModulation.....	10
Table 1.4: AllowedValueList for UpstreamModulation.....	10
Table 2: Event Moderation.....	12
Table 3: Actions	13
Table 4: Arguments for GetCableLinkConfigInfo	13
Table 5: Arguments for Get DownstreamFrequency	14
Table 6: Arguments for GetDownstreamModulation.....	14
Table 7: Arguments for GetUpstreamFrequency.....	15
Table 8: Arguments for GetUpstreamModulation	15
Table 9: Arguments for GetUpstreamChannelID.....	16
Table 10: Arguments for GetUpstreamPowerLevel	16
Table 11: Arguments for GetBPIEncryptionEnabled.....	17
Table 12: Arguments for GetConfigFile.....	17
Table 13: Arguments for GetTFTPServer.....	18
Table 14: Common Error Codes.....	18

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Part 8-14: Internet Gateway Device Control Protocol – Wide Area Network Cable Link 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 WANPPConnection: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 encapsulates physical and link layer properties that are specific to a cable connection used for Internet access. These properties are specific to a cable interface but are common across the different instances of ***WANIPConnection*** service. Please see the Deployment Scenario section for more detail.

The service is OPTIONAL if there is a cable modem WAN interface in the Internet Gateway.

It is specified in

urn:schemas-upnp-org:device:WANConnectionDevice in
urn:schemas-upnp-org:device:WANDevice under the root device
urn:schemas-upnp-org:device:InternetGatewayDevice.

The ***WANDevice*** also provides a ***WANCommonInterfaceConfig*** service that encapsulates Internet access properties common to a WAN Interface.