



ISO/IEC 29341-8-21

Edition 1.0 2008-11

INTERNATIONAL STANDARD

**Information technology – UPnP Device Architecture –
Part 8-21: Internet Gateway Device Control Protocol – Wireless Local Area
Network Configuration Service**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

PRICE CODE



ICS 35.200

ISBN 2-8318-1010-8

CONTENTS

FOREWORD	6
ORIGINAL UPNP DOCUMENTS (informative)	8
1. Overview and Scope	10
2. Service Modeling Definitions	10
2.1. ServiceType	10
2.2. State Variables	10
2.2.1. InsecureOOBAccessEnabled	12
2.2.2. SSID	12
2.2.3. BSSID	12
2.2.4. BeaconType	13
2.2.5. BeaconAdvertisementEnabled	13
2.2.6. RadioEnabled	13
2.2.7. LocationDescription	13
2.2.8. RegulatoryDomain	14
2.2.9. TotalPSKFailures	14
2.2.10. TotalIntegrityFailures	14
2.2.11. Channel	14
2.2.12. PossibleChannels	14
2.2.13. ChannelsInUse	14
2.2.14. DeviceOperationMode	15
2.2.15. DistanceFromRoot	15
2.2.16. PeerBSSID	15
2.2.17. BasicDataTransmitRates	15
2.2.18. OperationalDataTransmitRates	15
2.2.19. PossibleDataTransmitRates	16
2.2.20. AutoRateFallBackEnabled	16
2.2.21. TotalBytesSent	16
2.2.22. TotalBytesReceived	16
2.2.23. TotalPacketsSent	16
2.2.24. TotalPacketsReceived	16
2.2.25. TotalAssociations	16
2.2.26. AssociatedDeviceMACAddress	16
2.2.27. AssociatedDeviceIPAddress	16
2.2.28. AssociatedDeviceAuthState	17
2.2.29. AuthenticationServiceMode	17
2.2.30. WEPKeyIndex	17
2.2.31. WEPKey	17
2.2.32. KeyPassphrase	17
2.2.33. WEPEncryptionLevel	18
2.2.34. PreSharedKey	18
2.2.35. PreSharedKeyIndex	18
2.2.36. BasicEncryptionModes	18
2.2.37. BasicAuthenticationMode	19
2.2.38. WPAEncryptionModes	19
2.2.39. WPAAuthenticationMode	19
2.2.40. IEEE11iEncryptionModes	20
2.2.41. IEEE11iAuthenticationMode	20
2.2.42. LastRequestedUnicastCipher	20
2.2.43. LastRequestedMulticastCipher	20
2.2.44. LastPMKId	21
2.3. Eventing and Moderation	21
2.3.1. Event Model	21
2.4. Actions	21
2.4.1. SetInsecureOutOfBandAccessMode	23
2.4.2. GetInsecureOutOfBandAccessMode	23

2.4.3.	SetSSID	24
2.4.4.	GetSSID	24
2.4.5.	GetBSSID	25
2.4.6.	SetBeaconType.....	25
2.4.7.	GetBeaconType	26
2.4.8.	SetBeaconAdvertisement	26
2.4.9.	GetBeaconAdvertisement	27
2.4.10.	SetRadioMode.....	27
2.4.11.	GetRadioMode	28
2.4.12.	SetLocationDescription	28
2.4.13.	GetLocationDescription	29
2.4.14.	SetRegulatoryDomain	29
2.4.15.	GetRegulatoryDomain	30
2.4.16.	GetFailureStatusInfo	30
2.4.17.	SetChannel.....	31
2.4.18.	GetChannelInfo	31
2.4.19.	GetChannelsInUse.....	32
2.4.20.	SetDeviceOperationMode	32
2.4.21.	GetDeviceOperationMode	33
2.4.22.	SetDataTransmitRates	34
2.4.23.	GetDataTransmitRateInfo	35
2.4.24.	SetAutoRateFallbackMode	35
2.4.25.	GetAutoRateFallbackMode.....	36
2.4.26.	GetByteStatistics	36
2.4.27.	GetPacketStatistics	37
2.4.28.	GetByteStatsForAssociatedDev	37
2.4.29.	GetPacketStatsForAssociatedDev	38
2.4.30.	GetTotalAssociations	38
2.4.31.	GetGenericAssociatedDeviceInfo	39
2.4.32.	GetSpecificAssociatedDeviceInfo	39
2.4.33.	GetSpecificAssociatedDev11iInfo	40
2.4.34.	SetAuthenticationServiceMode	41
2.4.35.	GetAuthenticationServiceMode	41
2.4.36.	SetSecurityKeys	42
2.4.37.	GetSecurityKeys	43
2.4.38.	SetDefaultWEPKeyIndex	43
2.4.39.	GetDefaultWEPKeyIndex	44
2.4.40.	SetPreSharedKey	44
2.4.41.	GetPreSharedKey	45
2.4.42.	SetBasBeaconSecurityProperties	45
2.4.43.	GetBasBeaconSecurityProperties	46
2.4.44.	SetWPABeaconSecurityProperties	46
2.4.45.	GetWPABeaconSecurityProperties.....	47
2.4.46.	Set11iBeaconSecurityProperties.....	48
2.4.47.	Get11iBeaconSecurityProperties	48
2.4.48.	FactoryDefaultReset.....	49
2.4.49.	ResetAuthentication	49
2.4.50.	Non-Standard Actions Implemented by a UPnP Device Vendor.....	49
2.4.51.	Common Error Codes	50
2.5.	Theory of Operation	51
2.5.1.	Initialization of the AP Device.....	51
2.5.2.	Operation of the AP Device	51
3.	XML Service Description	58
4.	Test.....	71

LIST OF TABLES

Table 1: State Variables	11
Table 2: Event Moderation.....	21
Table 3: Actions	22
Table 4: Arguments for SetInsecureOutOfBandAccessMode	23
Table 5: Arguments for SetInsecureOutOfBandAccessMode	23
Table 6: Arguments for SetSSID	24
Table 7: Arguments for GetSSID	24
Table 8: Arguments for GetBSSID	25
Table 9: Arguments for SetBeaconType	25
Table 10: Arguments for GetBeaconType	26
Table 11: Arguments for SetBeaconAdvertisement	26
Table 12: Arguments for GetBeaconAdvertisement.....	27
Table 13: Arguments for SetRadioMode	27
Table 14: Arguments for GetRadioMode.....	28
Table 15: Arguments for SetLocationDescription	28
Table 16: Arguments for GetLocationDescription.....	29
Table 17: Arguments for SetRegulatoryDomain.....	29
Table 18: Arguments for GetRegulatoryDomain	30
Table 19: Arguments for GetFailureStatusInfo.....	30
Table 20: Arguments for SetChannel	31
Table 21: Arguments for GetChannelInfo.....	31
Table 22: Arguments for GetChannelsInUse.....	32
Table 23: Arguments for SetDeviceOperationMode.....	33
Table 24: Arguments for GetDeviceOperationMode	34
Table 25: Arguments for SetDataTransmitRates	34
Table 26: Arguments for GetDataTransmitRateInfo.....	35
Table 27: Arguments for SetAutoRateFallBackMode.....	35
Table 28: Arguments for GetAutoRateFallBackMode	36
Table 29: Arguments for GetByteStatistics.....	36
Table 30: Arguments for GetPacketStatistics.....	37
Table 31: Arguments for GetByteStatsForAssociatedDev	37
Table 32: Arguments for GetPacketStatsForAssociatedDev	38
Table 33: Arguments for GetTotalAssociations	38
Table 34: Arguments for GetGenericAssociatedDeviceInfo.....	39
Table 35: Arguments for GetSpecificAssociatedDeviceInfo.....	40
Table 36: Arguments for GetSpecificAssociatedDeviceInfo.....	40
Table 37: Arguments for SetAuthenticationServiceMode.....	41
Table 38: Arguments for GetAuthenticationServiceMode	41
Table 39: Arguments for SetSecurityKeys.....	42

Table 40: Arguments for GetSecurityKeys43

Table 41: Arguments for SetDefaultWEPKeyIndex43

Table 42: Arguments for GetDefaultWEPKeyIndex44

Table 43: Arguments for SetPreSharedKey44

Table 44: Argument for GetPreSharedKey.....45

Table 45: Arguments for SetBasBeaconSecurityProperties45

Table 46: Arguments for GetBasBeaconSecurityProperties46

Table 47: Arguments for SetWPABeaconSecurityProperties.....47

Table 48: Arguments for GetWPABeaconSecurityProperties47

Table 49: Arguments for Set11iBeaconSecurityProperties48

Table 50: Arguments for Get11iBeaconSecurityProperties.....48

Table 51: Common Error Codes for all actions50

INFORMATION TECHNOLOGY – UPNP DEVICE ARCHITECTURE –

Part 8-21: Internet Gateway Device Control Protocol – Wireless Local Area Network 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 enables the **control, monitoring and configuration of IEEE 802.11 Wireless Access Points for the unmanaged network space, namely residential and small office LANs**. It focuses on the core elements required for setting up wireless networks, configuring wireless security, diagnosing and monitoring usage problems, and setting location-specific information elements.

Its intent is to simplify the setup experience, secure wireless networks and provide the framework for diagnosing and monitoring problems on wireless networks.

This service-type enables the following functions:

- Remote setup and configuration of the **basic parameters of a wireless access point** including: SSID, radio channel configuration, wireless access point mode and others.
- Remote setup and configuration of **wireless authentication** for WPA, 11i and WEP based security.
- Remote configuration and **provisioning of location** specific information.
- Remote **diagnostics and monitoring** of wireless networks.