

### ISO/IEC 29341-2

Edition 1.0 2008-11

# INTERNATIONAL STANDARD

Information technology — UPnP Device Architecture — IF W Part 2: Basic Device Control Protocol — Basic Device (standards.iteh.ai)

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## INTERNATIONAL STANDARD

Information technology - UPnA Device Architecture VIEW
Part 2: Basic Device Control Protocol - Basic Device

ISO/IEC 29341-2:2008 https://standards.iteh.ai/catalog/standards/sist/1bfe1a94-1ce3-4cb1-ab57-c5c47ffabecc/iso-iec-29341-2-2008

INTERNATIONAL ELECTROTECHNICAL COMMISSION

PRICE CODE

B

ISBN 2-8318-1005-0

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### INFORMATION TECHNOLOGY – UPNP DEVICE ARCHITECTURE –

#### Part 2: Basic Device Control Protocol - Basic Device

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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:

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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 29341-7-1           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 WANDevice:1 Device         ISO/IEC 29341-8-2           UPnP WANDevice:1 Device         ISO/IEC 29341-8-3           UPnP WANDconnectionDevice:1 Device         ISO/IEC 29341-8-3           UPnP WANAccessPointDevice:1 Device         ISO/IEC 29341-8-3           UPnP WANAccessPointDevice:1 Device         ISO/IEC 29341-8-5           UPnP Layer3Forwarding:1 Service         ISO/IEC 29341-8-5           UPnP Layer3Forwarding:1 Service         ISO/IEC 29341-8-10           UPnP LinkAuthentication:1 Service         ISO/IEC 29341-8-11           UPnP RadiusClient:1 Service         ISO/IEC 29341-8-13           UPnP WANCableLinkConfig:1 Service         ISO/IEC 29341-8-13           UPnP WANCableLinkConfig:1 Service         ISO/IEC 29341-8-15           UPnP WANDSLLinkConfig:1 Service         ISO/IEC 29341-8-15           UPnP WANPOTSLinkConfig:1 Service         ISO/IEC 29341-8-10 <td></td> <td></td>		
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 WANConnectionDevice:1 Device         ISO/IEC 29341-8-3           UPnP WLANAccessPointDevice:1 Device         ISO/IEC 29341-8-4           UPnP WLANHostConfigManagement:1 Service         ISO/IEC 29341-8-5           UPnP Layer3Forwarding:1 Service         ISO/IEC 29341-8-10           UPnP Layer3Forwarding:1 Service         ISO/IEC 29341-8-10           UPnP LinkAuthentication:1 Service         ISO/IEC 29341-8-10           UPnP WancableLinkConfig:1 Service         ISO/IEC 29341-8-12           UPnP WANCableLinkConfig:1 Service         ISO/IEC 29341-8-13           UPnP WANDSLLinkConfig:1 Service         ISO/IEC 29341-8-15           UPnP WANPOTSLinkConfig:1 Service         ISO/IEC 29341-8-16           UPnP WANPOTSLinkConfig:1 Service         ISO/IEC 29341-8-19           UPnP WANPOTSLinkConfig:1 Service         ISO/IEC 29341-8-19           UPnP Scanner:1.0 Device         ISO/IEC 2934		
UPnP BinaryLight:1 Device         ISO/IEC 29341-7-1           UPnP DimmableLight:1 Device         ISO/IEC 29341-7-1           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 29341-8-3           UPnP WANConnectionDevice:1 Device         ISO/IEC 29341-8-3           UPnP WANConnectionDevice:1 Device         ISO/IEC 29341-8-5           UPnP Layer3Forwarding:1 Service         ISO/IEC 29341-8-5           UPnP Layer3Forwarding:1 Service         ISO/IEC 29341-8-10           UPnP LinkAuthentication:1 Service         ISO/IEC 29341-8-10           UPnP RadiusClient: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 29341-8-16           UPnP WANEthernetLinkConfig:1 Service         ISO/IEC 29341-8-16           UPnP WANPOTSLinkConfig:1 Service         ISO/IEC 29341-8-19           UPnP WANPOTSLinkConfig:1 Service         ISO/IEC 29341-8-20		
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 29341-8-4           UPnP LANHostConfigManagement:1 Service         ISO/IEC 29341-8-5           UPnP Layer3Forwarding:1 Service         ISO/IEC 29341-8-10           UPnP Layer3Forwarding:1 Service         ISO/IEC 29341-8-10           UPnP Layer3Forwarding:1 Service         ISO/IEC 29341-8-11           UPnP LinkAuthentication:1 Service         ISO/IEC 29341-8-10           UPnP RadiusClient:1 Service         ISO/IEC 29341-8-12           UPnP RadiusClient:1 Service         ISO/IEC 29341-8-13           UPnP WANCableLinkConfig:1 Service         ISO/IEC 29341-8-15           UPnP WANDSLLinkConfig:1 Service         ISO/IEC 29341-8-16           UPnP WANPEConnection:1 Service         ISO/IEC 29341-8-17           UPnP WANPPConnection:1 Service         ISO/IEC 29341-8-19           UPnP WANPPPConnection:1 Service         ISO/IEC 29341-9-1           UPnP Printer:1 Device         ISO/IEC 29341-9-1	UPnP BinaryLight:1 Device	
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 29341-8-5           UPnP Layer3Forwarding:1 Service         ISO/IEC 29341-8-10           UPnP Layer3Forwarding:1 Service         ISO/IEC 29341-8-10           UPnP Layer3Forwarding:1 Service         ISO/IEC 29341-8-11           UPnP Layer3Forwarding:1 Service         ISO/IEC 29341-8-12           UPnP RadiusClient: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 WANDESLLinkConfig:1 Service         ISO/IEC 29341-8-16           UPnP WANDESLLinkConfig:1 Service         ISO/IEC 29341-8-16           UPnP WANPOTSLinkConfig:1 Service         ISO/IEC 29341-8-18           UPnP WANPPPConnection:1 Service         ISO/IEC 29341-8-19           UPnP Printer:1 Device         ISO/IEC 29341-9-1           UPnP P Scanner:1 Device         ISO/IEC 29341-9-1 <td></td> <td></td>		
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 29341-8-11 UPnP RadiusClient: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 WANDSLLinkConfig:1 Service ISO/IEC 29341-8-16 UPnP WANIPConnection:1 Service ISO/IEC 29341-8-17 UPnP WANPOTSLinkConfig:1 Service ISO/IEC 29341-8-18 UPnP WANPPPConnection:1 Service ISO/IEC 29341-8-19 UPnP WANPPPConnection:1 Service ISO/IEC 29341-8-20 UPnP WANPPPConnection:1 Service ISO/IEC 29341-8-20 UPnP Printer:1 Device ISO/IEC 29341-8-21 UPnP Printer:1 Device ISO/IEC 29341-9-1 UPnP Scanner:1.0 Device ISO/IEC 29341-9-1 UPnP Feeder:1.0 Service ISO/IEC 29341-9-1 UPnP PrintBasic:1 Service ISO/IEC 29341-9-1 UPnP Poscan:1 Service ISO/IEC 29341-9-1 UPnP Qos Architecture:1.0 ISO/IEC 29341-10-10 UPnP Qos Manager:1 Service ISO/IEC 29341-10-10 UPnP Qos Manager:1 Service ISO/IEC 29341-10-10 UPnP Qos Manager:1 Service ISO/IEC 29341-10-10 UPnP Qos Architecture:2 ISO/IEC 29341-10-10		
UPnP LANDevice:1 Device UPnP WANDevice:1 Device UPnP WANConnectionDevice:1 Device UPnP WANConnectionDevice:1 Device UPnP WLANAccessPointDevice:1 Device UPnP LANHostConfigManagement:1 Service UPnP Layer3Forwarding:1 Service UPnP LinkAuthentication:1 Service UPnP RadiusClient:1 Service UPnP WANCableLinkConfig:1 Service UPnP WANCableLinkConfig:1 Service UPnP WANCommonInterfaceConfig:1 Service UPnP WANDSLLinkConfig:1 Service UPnP WANDENLENCONFig:1 Service UPnP WANDENLENCONFig:1 Service UPnP WANPPConnection:1 Service UPNP Scanner:1.0 Device UPNP Scanner:1.0 Device UPNP ExternalActivity:1 Service UPNP ExternalActivity:1 Service UPNP Feeder:1.0 Service UPNP Scan:1 Service UPNP Gos Architecture:1.0 UPNP Qos Architecture:1.0 UPNP Qos Device:1 Service UPNP Qos Service UPNP Qos Architecture:2		
UPnP WANDevice:1 Device UPnP WANConnectionDevice:1 Device UPnP WANConnectionDevice:1 Device UPnP WLANAccessPointDevice:1 Device UPnP LANHostConfigManagement:1 Service UPnP Layer3Forwarding:1 Service UPnP Layer3Forwarding:1 Service UPnP LinkAuthentication:1 Service UPnP RadiusClient:1 Service UPnP RadiusClient:1 Service UPnP WANCableLinkConfig:1 Service UPnP WANCableLinkConfig:1 Service UPnP WANCommonInterfaceConfig:1 Service UPnP WANDSLLinkConfig:1 Service UPnP WANDSLLinkConfig:1 Service UPnP WANDEVENTER UPnP WANDEVENTER UPnP WANDEVENTER UPnP WANDEVENTER UPNP WANDEVENTER UPNP WANPOTSLinkConfig:1 Service UPNP WANPOTSLinkConfig:1 Service UPNP WANPPPConnection:1 Se	•	
UPnP WLANAccessPointDevice:1 Device UPnP LANHostConfigManagement:1 Service UPnP Layer3Forwarding:1 Service UPnP LinkAuthentication:1 Service UPnP RadiusClient:1 Service UPnP RadiusClient:1 Service UPnP WANCableLinkConfig:1 Service UPnP WANCableLinkConfig:1 Service UPnP WANDSLLinkConfig:1 Service UPnP WANDSLLinkConfig:1 Service UPnP WANDSLLinkConfig:1 Service UPnP WANDEVENTER UPnP WANDEVENTER UPnP WANPOTSLINCONFIG:1 Service UPnP WANPPPConnection:1 Service UPnP WANPPPCONNECTION:1 Service UPnP WANPOTSLINCONFIG:1 Service UPNP WANPOTSLINCONFIG:1 Service UPNP WANPOTSLINCONFIG:1 Service UPNP WANPPPCONNECTION:1 Service UPNP WANPPPCONNECTION:1 Service UPNP WANPPPCONNECTION:1 Service UPNP WANPPPCONNECTION:1 Service UPNP Scanner:1.0 Device UPNP Scanner:1.0 Device UPNP ExternalActivity:1 Service UPNP ExternalActivity:1 Service UPNP Feeder:1.0 Service UPNP Scan:1 Service UPNP Scan:1 Service UPNP Qos Architecture:1.0 UPNP Qos Device:1 Service UPNP Qos Device:1 Service UPNP Qos PolicyHolder:1 Service UPNP Qos Architecture:2		
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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 WANDOMMONINTERFACECONFIG:1 Service         ISO/IEC 29341-8-15           UPnP WANDSLLinkConfig:1 Service         ISO/IEC 29341-8-16           UPnP WANEITERFACTOR         ISO/IEC 29341-8-16           UPnP WANPConnection:1 Service         ISO/IEC 29341-8-17           UPnP WANPOTSLinkConfig:1 Service         ISO/IEC 29341-8-19           UPnP WANPPConnection: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 29341-9-1           UPnP Feeder:1.0 Service         ISO/IEC 29341-9-1           UPnP PrintBasic:1 Service         ISO/IEC 29341-9-1           UPnP Qos Architecture:1.0         ISO/IEC 29341-9-1           UPnP Qos Device:1 Service         ISO/IEC 29341-10-1           UPnP Qos Architecture:2         ISO/IEC 29341-10-1           UPnP Qos Architecture:2         ISO/IEC 29341-10-1		
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 WANPConnection:1 Service         ISO/IEC 29341-8-18           UPnP WANPOTSLinkConfig:1 Service         ISO/IEC 29341-8-18           UPnP WANPPConnection: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 29341-9-1           UPnP Feeder:1.0 Service         ISO/IEC 29341-9-1           UPnP PrintBasic:1 Service         ISO/IEC 29341-9-12           UPnP Qos Architecture:1.0         ISO/IEC 29341-10-1           UPnP Qos Device:1 Service         ISO/IEC 29341-10-1           UPnP Qos Architecture:2         ISO/IEC 29341-10-1           UPnP Qos Architecture:2         ISO/IEC 29341-10-1		
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 WANPPPConnection:1 Service         ISO/IEC 29341-8-19           UPnP WANPPConnection:1 Service         ISO/IEC 29341-8-21           UPnP Printer:1 Device         ISO/IEC 29341-8-21           UPnP Printer:1 Device         ISO/IEC 29341-9-1           UPnP Scanner:1.0 Device         ISO/IEC 29341-9-1           UPnP Feeder:1.0 Service         ISO/IEC 29341-9-1           UPnP PrintBasic:1 Service         ISO/IEC 29341-9-1           UPnP Qos Architecture:1.0         ISO/IEC 29341-10-1           UPnP Qos Device:1 Service         ISO/IEC 29341-10-1           UPnP QosManager:1 Service         ISO/IEC 29341-10-1           UPnP Qos Architecture:2         ISO/IEC 29341-10-1		
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 WANPPPConnection: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 29341-9-1           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 29341-9-13           UPnP Qos Architecture:1.0         ISO/IEC 29341-9-13           UPnP QosDevice:1 Service         ISO/IEC 29341-10-1           UPnP QosManager:1 Service         ISO/IEC 29341-10-1           UPnP QosPolicyHolder:1 Service         ISO/IEC 29341-10-11           UPnP Qos Architecture:2         ISO/IEC 29341-11-1		
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 WANPPPConnection: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 Qos Architecture:1.0         ISO/IEC 29341-9-13           UPnP Qos Architecture:1.0         ISO/IEC 29341-10-1           UPnP QosManager:1 Service         ISO/IEC 29341-10-1           UPnP QosPolicyHolder:1 Service         ISO/IEC 29341-10-11           UPnP Qos Architecture:2         ISO/IEC 29341-11-1	· · · · · · · · · · · · · · · · · · ·	
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 WANPPPConnection: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 Qos Architecture:1.0         ISO/IEC 29341-9-13           UPnP QosDevice:1 Service         ISO/IEC 29341-10-1           UPnP QosManager:1 Service         ISO/IEC 29341-10-10           UPnP QosPolicyHolder:1 Service         ISO/IEC 29341-10-11           UPnP Qos Architecture:2         ISO/IEC 29341-11-1		
UPnP WANIPConnection:1 Service         ISO/IEC 29341-8-18           UPnP WANPOTSLinkConfig:1 Service         ISO/IEC 29341-8-19           UPnP WANPPPConnection: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 29341-9-1           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 Qos Architecture:1.0         ISO/IEC 29341-9-13           UPnP Qos Device:1 Service         ISO/IEC 29341-10-1           UPnP QosManager:1 Service         ISO/IEC 29341-10-10           UPnP QosPolicyHolder:1 Service         ISO/IEC 29341-10-11           UPnP Qos Architecture:2         ISO/IEC 29341-11-1	UPNP WANDSLLINKCONTIG: 1 Service	
UPnP WANPOTSLinkConfig:1 Service         ISO/IEC 29341-8-19           UPnP WANPPPConnection: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 Qos Architecture:1.0         ISO/IEC 29341-10-1           UPnP QosDevice:1 Service         ISO/IEC 29341-10-1           UPnP QosManager:1 Service         ISO/IEC 29341-10-11           UPnP Qos Architecture:2         ISO/IEC 29341-10-12           UPnP Qos Architecture:2         ISO/IEC 29341-11-1		
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 Qos Architecture:2         ISO/IEC 29341-11-1	UPnP WANPOTSLinkConfig:1 Service	
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 Qos PolicyHolder:1 Service         ISO/IEC 29341-10-12           UPnP Qos Architecture:2         ISO/IEC 29341-11-1		
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 Qos Architecture:2         ISO/IEC 29341-11-1	<u> </u>	
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 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 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 Architecture:1.0 UPnP QosDevice:1 Service UPnP QosManager:1 Service UPnP QosMolice:1 Service UPnP QosPolicyHolder:1 Service UPnP Qos Architecture:2 UPnP QoS Architecture:2 UPnP QoS Architecture:2 USO/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 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 QosPolicyHolder:1 Service ISO/IEC 29341-10-12 UPnP QoS Architecture:2 ISO/IEC 29341-11-1		
UPnP QoS Architecture:2 ISO/IEC 29341-11-1		
UPnP QOS v2 Schema Files ISO/IEC 29341-11-2	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 UPnP QosManager:2 Service UPnP QosPolicyHolder:2 Service UPnP RemoteUIClientDevice:1 Device UPnP RemoteUIServerDevice:1 Device UPnP RemoteUIClient:1 Service UPnP RemoteUIServer:1 Service UPnP DeviceSecurity:1 Service UPnP SecurityConsole:1 Service	ISO/IEC 29341-11-10 ISO/IEC 29341-11-11 ISO/IEC 29341-11-12 ISO/IEC 29341-12-1 ISO/IEC 29341-12-2 ISO/IEC 29341-12-10 ISO/IEC 29341-12-11 ISO/IEC 29341-13-10 ISO/IEC 29341-13-11

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### 1. Overview and Scope

This device template is compliant with the UPnP Device Architecture, Version 1.0.

Basic:1.0 provides a mechanism for products that wish to use UPnP, but for which there is not yet an appropriate standard base device type. The Basic Device type does not define any Services or embedded Devices, although a particular product may incorporate elements defined by other UPnP Standards and/or vendor-defined extension types.

A minimal Basic Device (one that does not add any services or embedded devices) is discoverable using UPnP discovery and may provide identifying information and a Presentation URL using the normal Device Description mechanism.

The Basic Device type also may be useful as the root device type for a product that incorporates standard elements in ways not anticipated by the standard types. For example, a television that also includes room light controls and a printer might choose to use the Basic Device type as the root type, with embedded devices and services chosen from the appropriate standard types.

**Note:** This definition relies on an Architecture change under consideration in the UPnP Forum Technical Committee: that the definition of the 'servicelist' element be changed to include 'minoccurs="0"; that is, that it be made an optional element.

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