
**Information technology — UPnP
Device Architecture —**

**Part 26-12:
Telephony device control protocol —
Level 2 — Messaging service**

*Technologies de l'information — Architecture de dispositif UPnP —
Partie 26-12: Protocole de contrôle de dispositif de téléphonie —
Niveau 2 — Service de messagerie*





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CONTENTS

1	Scope.....	vi
2	Normative references	1
3	Terms, definitions, symbols and abbreviated terms	2
4	Notations and conventions.....	4
4.1	Text conventions	4
4.2	Data Types.....	4
4.3	Vendor-defined Extensions	5
5	Service Modeling Definitions.....	5
5.1	Service Type	5
5.2	<u>Messaging</u> Service Architecture	5
5.3	State Variables.....	6
5.3.1	State Variable Overview.....	6
5.3.2	<u>A ARG TYPE MessagingCapabilities</u>	7
5.3.3	<u>NewMessages</u>	8
5.3.4	<u>SessionUpdates</u>	9
5.3.5	<u>A ARG TYPE TelephonyServerIdentity</u>	10
5.3.6	<u>A ARG TYPE MessageID</u>	10
5.3.7	<u>A ARG TYPE MessageClass</u>	11
5.3.8	<u>A ARG TYPE MessageFolder</u>	11
5.3.9	<u>A ARG TYPE MessageStatus</u>	12
5.3.10	<u>A ARG TYPE Message</u>	12
5.3.11	<u>A ARG TYPE MessageList</u>	15
5.3.12	<u>A ARG TYPE SessionID</u>	16
5.3.13	<u>A ARG TYPE SessionClass</u>	16
5.3.14	<u>A ARG TYPE RecipientsList</u>	17
5.3.15	<u>A ARG TYPE SessionInfo</u>	18
5.3.16	<u>A ARG TYPE SessionsList</u>	20
5.3.17	<u>A ARG TYPE SupportedContentType</u>	21
5.3.18	<u>A ARG TYPE Subject</u>	22
5.3.19	<u>A ARG TYPE SessionStatus</u>	22
5.3.20	<u>A ARG TYPE FileInfoList</u>	22
5.4	Eventing and Moderation	24
5.4.1	Eventing of <u>NewMessages</u>	24
5.4.2	Eventing of <u>SessionUpdates</u>	24
5.5	Actions.....	25
5.5.1	<u>GetTelephonyIdentity()</u>	26
5.5.2	<u>GetMessagingCapabilities()</u>	27
5.5.3	<u>GetNewMessages()</u>	28
5.5.4	<u>SearchMessages()</u>	29
5.5.5	<u>ReadMessage()</u>	30
5.5.6	<u>SendMessage()</u>	31
5.5.7	<u>DeleteMessage()</u>	33
5.5.8	<u>CreateSession()</u>	34

ISO/IEC 29341-26-12:2017(E)

5.5.9	<u>ModifySession()</u>	35
5.5.10	<u>AcceptSession()</u>	36
5.5.11	<u>GetSessionUpdates()</u>	37
5.5.12	<u>GetSessions()</u>	38
5.5.13	<u>JoinSession()</u>	39
5.5.14	<u>LeaveSession()</u>	40
5.5.15	<u>CloseSession()</u>	41
5.5.16	<u>StartFileTransfer()</u>	42
5.5.17	<u>CancelFileTransfer()</u>	43
5.5.18	<u>GetFileTransferSession()</u>	44
5.5.19	Error Code Summary	45
5.6	Service Behavioral Model	46
5.6.1	State Diagrams	46
6	XML Service Description	47
Annex A (normative)	XML complex type <i>peerType</i>	56
Annex B (normative)	XML Schema	60
Annex C (informative)	Theory of Operation	64
Annex D (informative)	Bibliography	69
Figure 1	Architecture of the <u>Messaging</u> Service	5
Figure 2	Lifecycle of Messages	46
Figure 3	Lifecycle of Sessions	47
Figure C.1	Message handling	64
Figure C.2	Session handling in the Session Mode Messaging	66
Figure C.3	Incoming Session handling in the Session Mode Messaging	66
Figure C.4	File Transfer Session handling	67
Figure C.5	File Transfer Session handling	68
Table 1	State Variables	6
Table 2	Allowed values for <u>sessionEvent</u> and the corresponding values of the <u>sessionStatus</u>	9
Table 3	allowedValueList for the <u>A_ARG_TYPE_MessageClass</u> state variable	11
Table 4	allowedValueList for the <u>A_ARG_TYPE_MessageFolder</u> state variable	12
Table 5	allowedValueList for the <u>A_ARG_TYPE_MessageStatus</u> state variable	12
Table 6	allowedValueList for the <u>A_ARG_TYPE_SessionClass</u> state variable	16
Table 7	allowedValueList for the <u>A_ARG_TYPE_SessionStatus</u> state variable	22
Table 8	Event Moderation	24
Table 9	Actions	25
Table 10	Arguments for <u>GetTelephonyIdentity()</u>	26
Table 11	Error Codes for <u>GetTelephonyIdentity()</u>	27
Table 12	Arguments for <u>GetMessagingCapabilities()</u>	27
Table 13	Error Codes for <u>GetMessagingCapabilities()</u>	28
Table 14	Arguments for <u>GetNewMessages()</u>	28
Table 15	Error Codes for <u>GetNewMessages</u>	29

Table 16 — Arguments for <u>SearchMessages()</u>	29
Table 17 — Error Codes for <u>SearchMessages()</u>	30
Table 18 — Arguments for <u>ReadMessage()</u>	31
Table 19 — Error Codes for <u>ReadMessage()</u>	31
Table 20 — Arguments for <u>SendMessage()</u>	32
Table 21 — Error Codes for <u>SendMessage()</u>	33
Table 22 — Arguments for <u>DeleteMessage()</u>	33
Table 23 — Error Codes for <u>DeleteMessage()</u>	34
Table 24 — Arguments for <u>CreateSession()</u>	34
Table 25 — Error Codes for <u>CreateSession()</u>	35
Table 26 — Arguments for <u>ModifySession()</u>	35
Table 27 — Error Codes for <u>ModifySession()</u>	36
Table 28 — Arguments for <u>AcceptSession()</u>	36
Table 29 — Error Codes for <u>AcceptSession()</u>	37
Table 30 — Arguments for <u>GetSessionUpdates()</u>	37
Table 31 — Error Codes for <u>GetSessionUpdates()</u>	38
Table 32 — Arguments for <u>GetSessions()</u>	38
Table 33 — Error Codes for <u>GetSessions()</u>	39
Table 34 — Arguments for <u>JoinSession()</u>	39
Table 35 — Error Codes for <u>JoinSession()</u>	40
Table 36 — Arguments for <u>LeaveSession()</u>	40
Table 37 — Error Codes for <u>LeaveSession()</u>	41
Table 38 — Arguments for <u>CloseSession()</u>	41
Table 39 — Error Codes for <u>CloseSession()</u>	42
Table 40 — Arguments for <u>StartFileTransfer()</u>	42
Table 41 — Error Codes for <u>StartFileTransfer()</u>	43
Table 42 — Arguments for <u>CancelFileTransfer()</u>	43
Table 43 — Error Codes for <u>CancelFileTransfer()</u>	44
Table 44 — Arguments for <u>GetFileTransferSession()</u>	44
Table 45 — Error Codes for <u>GetFileTransferSession()</u>	45
Table 46 — Error Code Summary	45

Foreword

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For an explanation on the voluntary nature of Standard, the meaning of the ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword – Supplementary information](#)

ISO/IEC 29341-26-12 was prepared by UPnP Forum and adopted, under the PAS procedure, by joint technical committee ISO/IEC JTC 1, *Information technology*, in parallel with its approval by national bodies of ISO and IEC.

The list of all currently available parts of ISO/IEC 29341 series, under the general title *Information technology — UPnP Device Architecture*, can be found on the [ISO web site](#).

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Original UPnP Document

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 and later by UPnP Forum. 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 29341-1:2008
UPnP Device Architecture Version 1.0	ISO/IEC 29341-1:2011
UPnP Device Architecture 1.1	ISO/IEC 29341-1-1:2011
UPnP Device Architecture 2.0	ISO/IEC 29341-1-2
UPnP Basic:1 Device	ISO/IEC 29341-2
UPnP AV Architecture:1	ISO/IEC 29341-3-1:2008
UPnP AV Architecture:1	ISO/IEC 29341-3-1:2011
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:1 Device	ISO/IEC 29341-3-2
UPnP MediaRenderer:2 Device	ISO/IEC 29341-3-2:2011
UPnP MediaServer:1 Device	ISO/IEC 29341-3-3
UPnP AVTransport:2 Service	ISO/IEC 29341-4-10:2008
UPnP AVTransport:2 Service	ISO/IEC 29341-4-10:2011
UPnP ConnectionManager:2 Service	ISO/IEC 29341-4-11:2008
UPnP ConnectionManager:2 Service	ISO/IEC 29341-4-11:2011
UPnP ContentDirectory:2 Service	ISO/IEC 29341-4-12
UPnP RenderingControl:2 Service	ISO/IEC 29341-4-13:2008
UPnP RenderingControl:2 Service	ISO/IEC 29341-4-13:2011
UPnP ScheduledRecording:1	ISO/IEC 29341-4-14
UPnP ScheduledRecording:2	ISO/IEC 29341-4-14:2011
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 29341-4-4:2008
UPnP AV Datastructure Template:1	ISO/IEC 29341-4-4:2011
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 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

ISO/IEC 29341-26-12:2017(E)

UPnP HVAC_UserOperatingMode:1 Service	ISO/IEC 29341-6-17
UPnP HVAC_ZoneThermostat:1 Device	ISO/IEC 29341-6-2
UPnP BinaryLight: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 DimmableLight:1 Device	ISO/IEC 29341-7-2
UPnP InternetGatewayDevice:1 Device	ISO/IEC 29341-8-1
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 LANDevice:1 Device	ISO/IEC 29341-8-2
UPnP WANPPPConnection:1 Service	ISO/IEC 29341-8-20
UPnP WLANConfiguration:1 Service	ISO/IEC 29341-8-21
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 Printer:1 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 Scan:1 Service	ISO/IEC 29341-9-13
UPnP Scanner:1.0 Device	ISO/IEC 29341-9-2
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 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 QOS v2 Schema Files	ISO/IEC 29341-11-2
UPnP RemoteUIClientDevice:1 Device	ISO/IEC 29341-12-1
UPnP RemoteUIClient:1 Service	ISO/IEC 29341-12-10
UPnP RemoteUIServer:1 Service	ISO/IEC 29341-12-11
UPnP RemoteUIServerDevice:1 Device	ISO/IEC 29341-12-2
UPnP DeviceSecurity:1 Service	ISO/IEC 29341-13-10
UPnP SecurityConsole:1 Service	ISO/IEC 29341-13-11
UPnP ContentDirectory:3 Service	ISO/IEC 29341-14-12:2011
UPnP MediaServer:3 Device	ISO/IEC 29341-14-3:2011

UPnP ContentSync:1	ISO/IEC 29341-15-10:2011
UPnP Low Power Architecture:1	ISO/IEC 29341-16-1:2011
UPnP LowPowerProxy:1 Service	ISO/IEC 29341-16-10:2011
UPnP LowPowerDevice:1 Service	ISO/IEC 29341-16-11:2011
UPnP QoS Architecture:3	ISO/IEC 29341-17-1:2011
UPnP QosDevice:3 Service	ISO/IEC 29341-17-10:2011
UPnP QosManager:3 Service	ISO/IEC 29341-17-11:2011
UPnP QosPolicyHolder:3 Service	ISO/IEC 29341-17-12:2011
UPnP QosDevice:3 Addendum	ISO/IEC 29341-17-13:2011
UPnP RemoteAccessArchitecture:1	ISO/IEC 29341-18-1:2011
UPnP InboundConnectionConfig:1 Service	ISO/IEC 29341-18-10:2011
UPnP RADAConfig:1 Service	ISO/IEC 29341-18-11:2011
UPnP RADASync:1 Service	ISO/IEC 29341-18-12:2011
UPnP RATAConfig:1 Service	ISO/IEC 29341-18-13:2011
UPnP RAClient:1 Device	ISO/IEC 29341-18-2:2011
UPnP RAServer:1 Device	ISO/IEC 29341-18-3:2011
UPnP RADiscoveryAgent:1 Device	ISO/IEC 29341-18-4:2011
UPnP SolarProtectionBlind:1 Device	ISO/IEC 29341-19-1:2011
UPnP TwoWayMotionMotor:1 Service	ISO/IEC 29341-19-10:2011
UPnP AV Architecture:2	ISO/IEC 29341-20-1
UPnP AVTransport:3 Service	ISO/IEC 29341-20-10
UPnP ConnectionManager:3 Service	ISO/IEC 29341-20-11
UPnP ContentDirectory:4 Device	ISO/IEC 29341-20-12
UPnP RenderingControl:3 Service	ISO/IEC 29341-20-13
UPnP ScheduledRecording:2 Service	ISO/IEC 29341-20-14
UPnP MediaRenderer:3 Service	ISO/IEC 29341-20-2
UPnP MediaServer:4 Device	ISO/IEC 29341-20-3
UPnP AV Datastructure Template:1	ISO/IEC 29341-20-4
UPnP InternetGatewayDevice:2 Device	ISO/IEC 29341-24-1
UPnP WANIPConnection:2 Service	ISO/IEC 29341-24-10
UPnP WANIPv6FirewallControl:1 Service	ISO/IEC 29341-24-11
UPnP WANConnectionDevice:2 Service	ISO/IEC 29341-24-2
UPnP WANDevice:2 Device	ISO/IEC 29341-24-3
UPnP Telephony Architecture:2	ISO/IEC 29341-26-1
UPnP CallManagement:2 Service	ISO/IEC 29341-26-10
UPnP MediaManagement:2 Service	ISO/IEC 29341-26-11
UPnP Messaging:2 Service	ISO/IEC 29341-26-12
UPnP PhoneManagement:2 Service	ISO/IEC 29341-26-13
UPnP AddressBook:1 Service	ISO/IEC 29341-26-14
UPnP Calendar:1 Service	ISO/IEC 29341-26-15
UPnP Presense:1 Service	ISO/IEC 29341-26-16
UPnP TelephonyClient:2 Device	ISO/IEC 29341-26-2
UPnP TelephonyServer:2 Device	ISO/IEC 29341-26-3
UPnP Friendly Info Update:1 Service	ISO/IEC 29341-27-1
UPnP MultiScreen MultiScreen Architecture:1	ISO/IEC 29341-28-1
UPnP MultiScreen Application Management:1 Service	ISO/IEC 29341-28-10

ISO/IEC 29341-26-12:2017(E)

UPnP MultiScreen Screen:1 Device	ISO/IEC 29341-28-2
UPnP MultiScreen Application Management:2 Service	ISO/IEC 29341-29-10
UPnP MultiScreen Screen:2 Device	ISO/IEC 29341-29-2
UPnP IoT Management and Control Architecture Overview:1	ISO/IEC 29341-30-1
UPnP DataStore:1 Service	ISO/IEC 29341-30-10
UPnP IoT Management and Control Data Model:1 Service	ISO/IEC 29341-30-11
UPnP IoT Management and Control Transport Generic:1 Service	ISO/IEC 29341-30-12
UPnP IoT Management and Control:1 Device	ISO/IEC 29341-30-2
UPnP Energy Management:1 Service	ISO/IEC 29341-31-1

1 Scope

This service definition is compliant with [1]. It defines a service type referred to herein as Messaging service.

The Messaging service is a UPnP service that allows control points to use the messaging features provided by a Telephony Server (TS) or a Telephony Client (TC).

It provides in the UPnP network the overall set of messaging capabilities of a phone (e.g., smartphone, IP phone, VoIP gateway, etc.), as the role of a TS. Additionally, or as an alternative, a device with the role of a TC can provide the Messaging service via UPnP Telephony.

This service provides the control points with the following functionalities:

- Page Mode Messaging (e.g., e-Mail, SMS, MMS, etc.): notification of incoming messages, reading messages, sending a message, deleting a message.
- Session Mode Messaging (e.g., Instant Messaging, SMS, etc.): notification of incoming messages, retrieving and sending the messages within a session, creating, modifying or closing a messaging session.
- File transfer session, to transfer the files in near real time.

This service does not provide the following functionalities:

- Connection to a remote server for sending or receiving the messages (e.g., WAN side);
- Rendering of message notifications and messages to the end user;
- Configuring the Messaging service with account for connecting to remote servers;

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

[1] – UPnP Device Architecture, version 1.0, UPnP Forum, October 15, 2008. Available at: <http://www.upnp.org/specs/arch/UPnP-arch-DeviceArchitecture-v1.0-20081015.pdf>. Latest version available at: <http://www.upnp.org/specs/arch/UPnP-arch-DeviceArchitecture-v1.0.pdf>.

[2] – Data elements and interchange formats – Information interchange -- Representation of dates and times, International Standards Organization, December 21, 2000. Available at: [ISO 8601:2000](http://www.iso.org/iso/8601.html).

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ISO/IEC 29341-26-12:2017(E)

Neustar, R. Sparks, dynamicsoft, M. Handley, ICIR, E. Schooler, AT&T June 2002. Available at: <http://www.ietf.org/rfc/rfc3261.txt>.

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