



SLOVENSKI STANDARD
SIST ES 202 391-10 V1.3.1:2008
01-september-2008

Odpri dostop do storitve (OSA) - Spletne storitve Parlay X - 10. del: Ravnanje s klicem (Parlay X 2)

Open Service Access (OSA) - Parlay X Web Services - Part 10: Call Handling (Parlay X 2)

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST ES 202 391-10 V1.3.1:2008](#)

[https://standards.iteh.ai/catalog/standards/sist/4c5b3cf4-6772-4ab3-a2e9-](https://standards.iteh.ai/catalog/standards/sist/4c5b3cf4-6772-4ab3-a2e9-b26f479e0786/sist-es-202-391-10-v1-3-1-2008)

Ta slovenski standard je istoveten z: [**ES 202 391-10 Version 1.3.1**](#)

ICS:

35.100.01	Medsebojno povezovanje odprtih sistemov na splošno	Open systems interconnection in general
-----------	--	---

SIST ES 202 391-10 V1.3.1:2008 **en**

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST ES 202 391-10 V1.3.1:2008
<https://standards.iteh.ai/catalog/standards/sist/4c5b3cf4-6772-4ab3-a2e9-b26f479e0786/sist-es-202-391-10-v1-3-1-2008>

ETSI ES 202 391-10 V1.3.1 (2008-05)

ETSI Standard

**Open Service Access (OSA);
Parlay X Web Services;
Part 10: Call Handling
(Parlay X 2)**



iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST ES 202 391-10 V1.3.1:2008](#)

<https://standards.iteh.ai/catalog/standards/sist/4c5b3cf4-6772-4ab3-a2e9-b26f479e0786/sist-es-202-391-10-v1-3-1-2008>



Reference

RES/TISPAN-01056-10-OSA

Keywords

API, OSA, service

ETSI

650 Route des Lucioles
 F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C
 Association à but non lucratif enregistrée à la
 Sous-Préfecture de Grasse 06 N° 7303/88

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST ES 202 391-10 V1.3.1:2008](#)

<https://standards.iteh.ai/catalog/standards/sist/4c5b3cf4-6772-4ab3-a2e9-b26f479e078a/v1.3.1>
Important notice

Individual copies of the present document can be downloaded from:
<http://www.etsi.org>

The present document may be made available in more than one electronic version or in print. In any case of existing or perceived difference in contents between such versions, the reference version is the Portable Document Format (PDF). In case of dispute, the reference shall be the printing on ETSI printers of the PDF version kept on a specific network drive within ETSI Secretariat.

Users of the present document should be aware that the document may be subject to revision or change of status.

Information on the current status of this and other ETSI documents is available at

<http://portal.etsi.org/tb/status/status.asp>

If you find errors in the present document, please send your comment to one of the following services:

http://portal.etsi.org/chaircor/ETSI_support.asp

Copyright Notification

No part may be reproduced except as authorized by written permission.
 The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 2008.
 © The Parlay Group 2008.
 All rights reserved.

DECT™, PLUGTESTS™, UMTS™, TIPHON™, the TIPHON logo and the ETSI logo are Trade Marks of ETSI registered for the benefit of its Members.

3GPP™ is a Trade Mark of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners.

Contents

Intellectual Property Rights	4
Foreword.....	4
1 Scope	5
2 References	5
2.1 Normative references	5
3 Definitions and abbreviations.....	6
3.1 Definitions.....	6
3.2 Abbreviations	6
4 Detailed service description	6
5 Namespaces	7
6 Sequence diagrams	7
6.1 Setup call handling, query and clear rules	7
7 XML Schema data type definition	8
7.1 ConditionalForward structure.....	8
7.2 UnconditionalForward structure.....	8
7.3 InteractionContent enumeration	8
7.4 TextInteraction structure	8
7.5 VoiceInteraction union	8
7.6 CallHandlingRules structure	9
7.7 SetRulesResult structure.....	9
8 Web Service interface definition	9
8.1 Interface: CallHandling	9
8.1.1 Operation: https://standards.iteh.ai/catalog/standards/sist/4c5b3cf4-6772-4ab3-a2e9-079e0786/sist-es-202-391-10-v1-3-1-2008	9
8.1.1.1 Input message: setRulesRequest	9
8.1.1.2 Output message: setRulesResponse	9
8.1.1.3 Referenced faults.....	10
8.1.2 Operation: setRulesForGroup	10
8.1.2.1 Input message: setRulesForGroupRequest.....	10
8.1.2.2 Output message: setRulesForGroupResponse.....	10
8.1.2.3 Referenced faults.....	10
8.1.3 Operation: getRules	10
8.1.3.1 Input message: getRulesRequest.....	11
8.1.3.2 Output message: getRulesResponse	11
8.1.3.3 Referenced faults.....	11
8.1.4 Operation: clearRules	11
8.1.4.1 Input message: clearRulesRequest	11
8.1.4.2 Output message: clearRulesResponse	11
8.1.4.3 Referenced faults.....	11
9 Fault definitions.....	12
10 Service policies	12
Annex A (normative): WSDL for Call Handling	13
Annex B (informative): Bibliography.....	14
History	15

Intellectual Property Rights

IPRs essential or potentially essential to the present document may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: "Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards", which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (<http://webapp.etsi.org/IPR/home.asp>).

Pursuant to the ETSI IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

Foreword

This ETSI Standard (ES) has been produced by ETSI Technical Committee Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN).

The present document is part 10 of a multi-part deliverable covering Open Service Access (OSA); Parlay X Web Services, as identified below:

- Part 1: "Common";
- Part 2: "Third Party Call";
- Part 3: "Call Notification"; **iTeh STANDARD PREVIEW (standards.iteh.ai)**
- Part 4: "Short Messaging";
- Part 5: "Multimedia Messaging";
- Part 6: "Payment"; **SIST ES 202 391-10 V1.3.1:2008
https://standards.iteh.ai/catalog/standards/sist/4c5b3cf4-6772-4ab3-a2e9-26f479e0786/sist-es-202-391-10-v1-3-1-2008**
- Part 7: "Account Management";
- Part 8: "Terminal Status";
- Part 9: "Terminal Location";
- Part 10: "Call Handling";**
- Part 11: "Audio Call";
- Part 12: "Multimedia Conference";
- Part 13: "Address List Management";
- Part 14: "Presence".

The present document has been defined jointly between ETSI, The Parlay Group (<http://www.parlay.org>) and the 3GPP.

The present document forms part of the Parlay X 2.2 set of specifications.

The present document is equivalent to 3GPP TS 29.199-10 V6.5.0 (Release 6).

1 Scope

The present document is part 10 of the Stage 3 Parlay X 2 Web Services specification for Open Service Access (OSA).

The OSA specifications define an architecture that enables application developers to make use of network functionality through an open standardized interface, i.e. the OSA APIs.

The present document specifies the Call Handling Web Service. The following are defined here:

- Name spaces.
- Sequence diagrams.
- Data definitions.
- Interface specification plus detailed method descriptions.
- Fault definitions.
- Service Policies.
- WSDL Description of the interfaces.

2 References

iTeh STANDARD PREVIEW (standards.iteh.ai)

- For a specific reference, subsequent revisions do not apply. [SIST ES 202 391-10 V1.3.1:2008](#)
- Non-specific reference may be made only to a complete document or a part thereof and only in the following cases: [b26f479e0786/sist-es-202-391-10-v1-3-1-2008](#)
 - if it is accepted that it will be possible to use all future changes of the referenced document for the purposes of the referring document;
 - for informative references.

Referenced documents which are not found to be publicly available in the expected location might be found at <http://docbox.etsi.org/Reference>.

For online referenced documents, information sufficient to identify and locate the source shall be provided. Preferably, the primary source of the referenced document should be cited, in order to ensure traceability. Furthermore, the reference should, as far as possible, remain valid for the expected life of the document. The reference shall include the method of access to the referenced document and the full network address, with the same punctuation and use of upper case and lower case letters.

NOTE: While any hyperlinks included in this clause were valid at the time of publication ETSI cannot guarantee their long term validity.

2.1 Normative references

The following referenced documents are indispensable for the application of the present document. For dated references, only the edition cited applies. For non-specific references, the latest edition of the referenced document (including any amendments) applies.

[1] W3C Recommendation (2 May 2001): "XML Schema Part 2: Datatypes".

NOTE: Available at <http://www.w3.org/TR/2001/REC-xmlschema-2-20010502/>.

- [2] ETSI ES 202 391-1: "Open Service Access (OSA); Parlay X Web Services; Part 1: Common (Parlay X 2)".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in ES 202 391-1 [2] apply.

3.2 Abbreviations

For the purposes of the present document, the abbreviations given in ES 202 391-1 [2] apply.

4 Detailed service description

The Call Handling Web Service provides a mechanism for an application to specify how calls are to be handled for a specific number. Call handling includes commonly utilized actions:

- Call accepting - only accepting calls from a list of numbers.
- Call blocking - blocking calls if they are on a blocking list.
- Conditional call forwarding - changing the destination of a call to another number for a specific calling number.
- Unconditional call forwarding - changing the destination of a call to another number.
- Play audio - initiate audio with the caller (e.g. an announcement or menu).

The set of rules are provided to the Web Service which is responsible for establishing the call handling function. Only one action is taken for a call, and once this action is started the rules will stop being processed.

There is a specific order in which these rules are processed, providing a predictable call handling expectation for rules provided. The processing is done as follows:

- 1) Call accepting determines if the call is accepted or rejected. If the caller is not on the accept list, the call is rejected and rule processing ends.
- 2) Call blocking determines if the call is rejected. If the caller is on the block list, the call is rejected and rule processing ends.
- 3) Conditional call forwarding - each calling number that has a specific forwarding instruction is checked, and the call is forwarded on a match, and rule processing ends.
- 4) Unconditional call forwarding - the called number is changed to the call forwarding number and rule processing ends.
- 5) Play audio - the call is handled by a voice system, which handles all further processing of the call. Rule processing ends when the call is handed off.
- 6) Continue processing call, to complete call to the original called number.

If no rules are specified in a particular area, then that step is skipped. If the rule processing ends without any action being indicated, then the call will continue to the called number.

Call Handling provides its function without further interaction with the Application. This is in contrast to the Call Notification interfaces which provide notifications to the Application for processing.

5 Namespaces

The Call Handling interface uses the namespace:

http://www.csapi.org/wsdl/parlayx/call_handling/v2_4

The data types are defined in the namespace:

http://www.csapi.org/schema/parlayx/call_handling/v2_3

The "xsd" namespace is used in the present document to refer to the XML Schema data types defined in XML Schema [1]. The use of the name "xsd" is not semantically significant.

6 Sequence diagrams

6.1 Setup call handling, query and clear rules

Pattern: Request / Response.

This sequence shows the application setting up Call Handling with rules to be processed, querying those rules and clearing them.

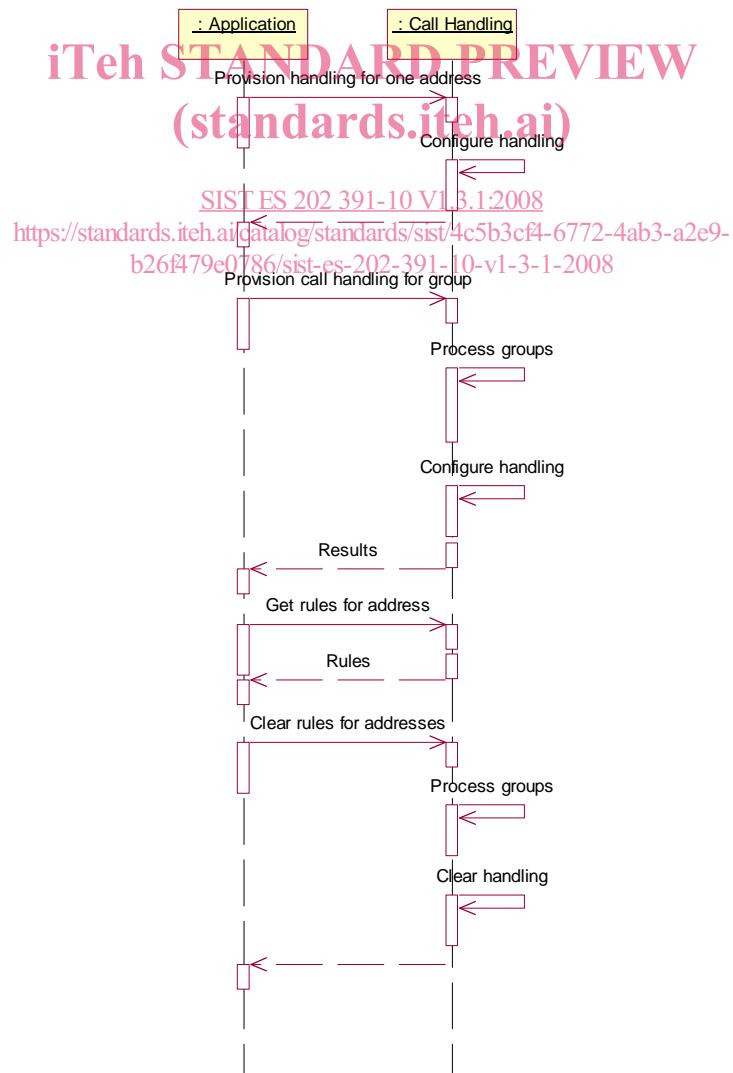


Figure 1