



SLOVENSKI STANDARD
SIST ES 202 391-13 V1.3.1:2008

01-september-2008

Odprti dostop do storitve (OSA) - Spletne storitve Parlay X - 13. del: Upravljanje seznama naslovov (Parlay X 2)

Open Service Access (OSA) - Parlay X Web Services - Part 13: Address List Management (Parlay X 2)

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST ES 202 391-13 V1.3.1:2008](https://standards.iteh.ai/catalog/standards/sist/f9030d06-5643-4609-b470-7419ebfc9f2b/sist-es-202-391-13-v1-3-1-2008)

[https://standards.iteh.ai/catalog/standards/sist/f9030d06-5643-4609-b470-](https://standards.iteh.ai/catalog/standards/sist/f9030d06-5643-4609-b470-7419ebfc9f2b/sist-es-202-391-13-v1-3-1-2008)

[7419ebfc9f2b/sist-es-202-391-13-v1-3-1-2008](https://standards.iteh.ai/catalog/standards/sist/f9030d06-5643-4609-b470-7419ebfc9f2b/sist-es-202-391-13-v1-3-1-2008)

Ta slovenski standard je istoveten z: ES 202 391-13 Version 1.3.1

ICS:

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

SIST ES 202 391-13 V1.3.1:2008 **en**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST ES 202 391-13 V1.3.1:2008

<https://standards.iteh.ai/catalog/standards/sist/f9030d06-5643-4609-b470-7419ebfc9f2b/sist-es-202-391-13-v1-3-1-2008>

ETSI ES 202 391-13 V1.3.1 (2008-05)

ETSI Standard

Open Service Access (OSA); Parlay X Web Services; Part 13: Address List Management (Parlay X 2)



iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST ES 202 391-13 V1.3.1:2008](https://standards.iteh.ai/catalog/standards/sist/f9030d06-5643-4609-b470-7419ebfc9f2b/sist-es-202-391-13-v1-3-1-2008)

<https://standards.iteh.ai/catalog/standards/sist/f9030d06-5643-4609-b470-7419ebfc9f2b/sist-es-202-391-13-v1-3-1-2008>



Reference

RES/TISPAN-01056-13-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° 7803/88

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST ES 202 391-13 V1.3.1:2008

<https://standards.iteh.ai/catalog/standards/sist/f9030d06-5643-4609-b470-7419ebf9f247/ETSI-ES-202-391-13-v1-3-1-2008>

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/chaicor/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.

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

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

Contents

Intellectual Property Rights	5
Foreword.....	5
1 Scope	6
2 References	6
2.1 Normative references	6
3 Definitions and abbreviations.....	7
3.1 Definitions.....	7
3.2 Abbreviations	7
4 Detailed service description	7
4.1 Group URI format	7
4.2 Address list usage in services	8
5 Namespaces.....	8
6 Sequence diagrams	9
6.1 Manage groups (Create, delete, query, set access and query access)	9
6.2 Manage group members (AddMember, AddMembers, DeleteMember, DeleteMembers, QueryMembers)	10
7 XML Schema data type definition	10
7.1 AccessPermissions structure	10
7.2 AttributeStatus enumeration.....	10
7.3 SimpleAttribute structure	11
8 Web Service interface definition.....	11
8.1 Interface: GroupManagement.....	11
8.1.1 Operation: createGroup.....	11
8.1.1.1 Input message: createGroupRequest	11
8.1.1.2 Output message: createGroupResponse	12
8.1.1.3 Referenced faults.....	12
8.1.2 Operation: deleteGroup.....	12
8.1.2.1 Input message: deleteGroupRequest	12
8.1.2.2 Output message: deleteGroupResponse	12
8.1.2.3 Referenced faults.....	12
8.1.3 Operation: queryGroups	12
8.1.3.1 Input message: queryGroupsRequest	13
8.1.3.2 Output message: queryGroupsResponse	13
8.1.3.3 Referenced faults.....	13
8.1.4 Operation: setAccess.....	13
8.1.4.1 Input message: setAccessRequest	14
8.1.4.2 Output message: setAccessResponse	14
8.1.4.3 Referenced faults.....	14
8.1.5 Operation: queryAccess.....	14
8.1.5.1 Input message: queryAccessRequest.....	14
8.1.5.2 Output message: queryAccessResponse	14
8.1.5.3 Referenced faults.....	14
8.2 Interface: Group	15
8.2.1 Operation: addMember	15
8.2.1.1 Input message: addMemberRequest.....	15
8.2.1.2 Output message: addMemberResponse.....	15
8.2.1.3 Referenced faults.....	15
8.2.2 Operation: addMembers	15
8.2.2.1 Input message: addMembersRequest	15
8.2.2.2 Output message: addMembersResponse	15
8.2.2.3 Referenced faults.....	16
8.2.3 Operation: deleteMember	16
8.2.3.1 Input message: deleteMemberRequest	16

8.2.3.2	Output message: deleteMemberResponse	16
8.2.3.3	Referenced faults	16
8.2.4	Operation: deleteMembers	16
8.2.4.1	Input message: deleteMembersRequest	16
8.2.4.2	Output message: deleteMembersResponse	17
8.2.4.3	Referenced faults	17
8.2.5	Operation: queryMembers	17
8.2.5.1	Input message: queryMembersRequest	17
8.2.5.2	Output message: queryMembersResponse	17
8.2.5.3	Referenced faults	17
8.2.6	Operation: addGroupAttribute	18
8.2.6.1	Input message: addGroupAttributeRequest	18
8.2.6.2	Output message: addGroupAttributeResponse	18
8.2.6.3	Referenced faults	18
8.2.7	Operation: deleteGroupAttribute	18
8.2.7.1	Input message: deleteGroupAttributeRequest	18
8.2.7.2	Output message: deleteGroupAttributeResponse	18
8.2.7.3	Referenced faults	18
8.2.8	Operation: queryGroupAttributes	19
8.2.8.1	Input message: queryGroupAttributesRequest	19
8.2.8.2	Output message: queryGroupAttributesResponse	19
8.2.8.3	Referenced faults	19
8.2.9	Operation: addGroupMemberAttribute	19
8.2.9.1	Input message: addGroupMemberAttributeRequest	19
8.2.9.2	Output message: addGroupMemberAttributeResponse	19
8.2.9.3	Referenced faults	19
8.2.10	Operation: deleteGroupMemberAttribute	20
8.2.10.1	Input message: deleteGroupMemberAttributeRequest	20
8.2.10.2	Output message: deleteGroupMemberAttributeResponse	20
8.2.10.3	Referenced faults	20
8.2.11	Operation: queryGroupMemberAttributes	20
8.2.11.1	Input message: queryGroupMemberAttributesRequest	20
8.2.11.2	Output message: queryGroupMemberAttributesResponse	20
8.2.11.3	Referenced faults	20
8.3	Interface: Member	21
8.3.1	Operation: addMemberAttribute	21
8.3.1.1	Input message: addMemberAttributeRequest	21
8.3.1.2	Output message: addMemberAttributeResponse	21
8.3.1.3	Referenced faults	21
8.3.2	Operation: queryMemberAttributes	21
8.3.2.1	Input message: queryMemberAttributesRequest	21
8.3.2.2	Output message: queryMemberAttributesResponse	21
8.3.2.3	Referenced faults	22
8.3.3	Operation: deleteMemberAttribute	22
8.3.3.1	Input message: deleteMemberAttributeRequest	22
8.3.3.2	Output message: deleteMemberAttributeResponse	22
8.3.3.3	Referenced faults	22
9	Fault definitions	22
9.1	PolicyException	22
9.1.1	POL0210: Too many members in group	22
9.1.2	POL0211: Subgroups not supported	23
9.1.3	POL0212: Group name too long	23
9.1.4	POL0213: Group already exists	23
10	Service policies	23
Annex A (normative):	WSDL for Address List Management	24
Annex B (informative):	Bibliography	25
History		26

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 13 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";
- Part 4: "Short Messaging";
- Part 5: "Multimedia Messaging";
- Part 6: "Payment";
- 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 29.199-13 V6.5.0 (Release 6).

1 Scope

The present document is part 13 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 Address List Management 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

References are either specific (identified by date of publication and/or edition number or version number) or non-specific.

- For a specific reference, subsequent revisions do not apply.
- Non-specific reference may be made only to a complete document or a part thereof and only in the following cases:
 - 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] IETF RFC 2396: "Uniform Resource Identifiers (URI): Generic Syntax".

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] and the following apply:

application managed group: group created and managed outside of the network, requiring the group members to be passed into the network for processing

group: container for a set of addresses, it is not an address itself. When a group contain one or more groups, logically the group contains the set of addresses it holds, plus the set of addresses that any contained group holds (including any addresses contained in groups that a contained group holds)

group resolution: when a group is processed by a service, it expands the group (and any nested groups) into a set of addresses. The resulting set of addresses contains no groups, and any duplicate addresses are removed. Thus, a resolved group may be considered an exclusive union of all of its contained members

network managed group: group created and managed within a network, allowing Web Services to reference the members of a group using the group name

iTeh STANDARD PREVIEW
(standards.iteh.ai)

3.2 Abbreviations

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

[SIST ES 202 391-13 V1.3.1:2008](https://standards.iteh.ai/catalog/standards/sist/f9030d06-5643-4609-b470-7419ebf9f7b/sist-es-202-391-13-v1-3-1-2008)

[https://standards.iteh.ai/catalog/standards/sist/f9030d06-5643-4609-b470-](https://standards.iteh.ai/catalog/standards/sist/f9030d06-5643-4609-b470-7419ebf9f7b/sist-es-202-391-13-v1-3-1-2008)

[7419ebf9f7b/sist-es-202-391-13-v1-3-1-2008](https://standards.iteh.ai/catalog/standards/sist/f9030d06-5643-4609-b470-7419ebf9f7b/sist-es-202-391-13-v1-3-1-2008)

4 Detailed service description

The present document defines two related interfaces, one to manage the groups themselves - creation, deletion, query and access right management. The second interface manages the members within a group, supporting add, delete and query operations.

Addresses are not created using this service, they must already exist.

4.1 Group URI format

A group URI is consistent with the style defined in RFC 2396 [3], supporting the following URI style which is used in schemes such as sip and mailto:

scheme:dept1294@mydivision.mycompany.serviceprovider.com

The group URI consists of the following discrete elements:

Scheme: selected by the provider of the group URI.

Group name: following the conventions of RFC 2396 [3].

Suffix: may be added by Service Provider (if allowed by creation operation) to create a unique name when the Prefix + Group name already exists.

Sub-domain: defined by the requester, this is contained within the domain provided by the service provider.

Domain: defined by the Service Provider, and cannot be specified by the application.

This definition of a group URI enables flexibility on the part of the Service Provider and the Requester, while ensuring unique groups are created and providing transparency of implementation of group storage.

The following are some group URI examples.

- sip:salesteam@sales.acme.anytelco.com
- sip:salesteam1@sales.acme.anytelco.com
- mailto:fieldservice@cityofaustin.anytelco.com
- group:mailroom@bldg001.acme.anytelco.com

These examples show (1)(2) use of prefix to create unique names, (1)(3) use of different defined schemes, and (4) use of a service provider defined scheme.

4.2 Address list usage in services

When a service has a requirement to support groups of address lists, it may satisfy this requirement by utilizing network managed groups. The group URI is passed to the service, and this group URI is resolved to the set of URIs contained within the group. If one or more group URIs are provided in a set of URIs to a service, the service will replace each group URI with its set of contained URIs, and the service processing will apply to the unique union of URIs generated.

If supported by the service policy, zero or more of the set of URIs contained within a group may be themselves group URIs, which would also be resolved. Thus, in this case, the list of URIs that the service would process would be the union of individual URIs (as a set with no duplicates).

Unless specifically defined in the semantics of a service, the expected semantic for the results of a service operation will be presented as the results for the set of URIs as processed (the union of non-group and group provided URIs), without group URIs included in the result. This eliminates a variety of complexity issues including duplicate URIs in multiple groups and the differences between a group URI and a URI referring to an endpoint.

SIST ES 202 391-13 V1.3.1:2008

<https://standards.ietf.org/catalog/standards/sist/9036d06-5643-4609-b470-19ebfc9f2b/sist-es-202-391-13-v1-3-1-2008>

5 Namespaces

The GroupManagement interface uses the namespace:

`http://www.csapi.org/wsdl/parlayx/group_mgmt/v2_2`

The Group interface uses the namespace:

`http://www.csapi.org/wsdl/parlayx/group/v2_2`

The GroupMember interface uses the namespace:

`http://www.csapi.org/wsdl/parlayx/group_member/v2_2`

The data types are defined in the namespace:

`http://www.csapi.org/schema/parlayx/group/v2_1`

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 Manage groups (Create, delete, query, set access and query access)

Pattern: Request / Response.

The group management functions are shown in this diagram, showing a sequence including the creation of a group, setting access permissions to the group, querying those permissions, query of groups and finally deletion of a group.

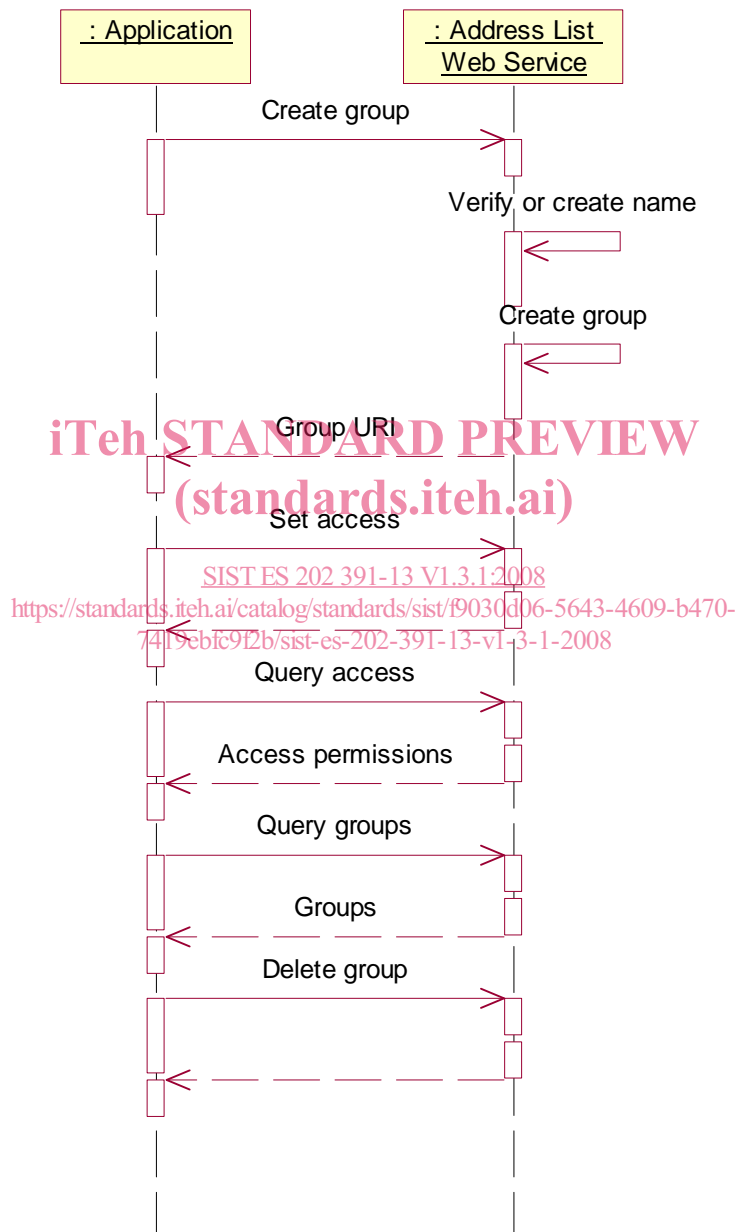


Figure 1