3GPP TSG CN Plenary Meeting #19 12- 14 March 2003, Birmingham, UK

Source:	CN5 (OSA)
Title:	Rel-4 CRs 29.198-02 OSA API Part 2: Common data
Agenda item:	7.10
Document for:	APPROVAL

Doc-1st- Level	Spec	CR	Rev	Phase	Subject	Cat	Version- Current	Doc-2nd-Level	Workitem
NP-030018	29.198-02	023	-	Rel-4	Correction to defintion of sessionID	F	4.4.0	N5-021096	OSA1
NP-030018	29.198-02	024	-	Rel-4	Clarification on uniqueness of assignmentID	F	4.4.0	N5-021129	OSA1
NP-030018	29.198-02	025	-	Rel-5	Clarification on uniqueness of assignmentID	A	5.1.1	N5-021130	OSA2
NP-030018	29.198-02	026	-	Rel-4	Correction to P_INVALID_STATE value	F	4.4.0	N5-021119	OSA1
NP-030018	29.198-02	027	-	Rel-5	Correction to P_INVALID_STATE value	A	5.1.1	N5-021120	OSA2
NP-030018	29.198-02	028	-	Rel-4	Addition of Support of National Numbering Plans	F	4.4.0	N5-030042	OSA1
NP-030018	29.198-02	029	-	Rel-5	Addition of Support of National Numbering Plans	A	5.1.1	N5-030043	OSA2

N5-021096

	CHANGE	REQUE	ST	CR-Form-v7
[#] 29.19	8-02 CR 023	ж rev -	# Current vers	ion: 4.4.0 [#]
For <u>HELP</u> on using a	this form, see bottom of this	s page or look a	at the pop-up text	over the # symbols.
Proposed change affect	<i>ts:</i> UICC apps ≭	ME Rac	lio Access Networ	k Core Network X
Title: ೫ Co	rrection to defintion of sess	ionID		
Source: ೫ N5				
Work item code:	A1		Date: ₩	31/10/2002
Category: % F Use Deta be fo	one of the following categories F (correction) A (corresponds to a correction B (addition of feature), C (functional modification) iled explanations of the above bund in 3GPP <u>TR 21.900</u> . Correction to definition of to unquely identify a call of In Call Control (both GCC CallAborted (in TpSe invoked upon IpAppCall(call. However the session Id is	s: n in an earlier re feature) categories can sessionID to en when using the CS & MPCC) essionID cal ControlManage	Release: # Use <u>one</u> of a 2 elease) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	REL-4 the following releases: (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6) on ID may be sufficient od signature
Summary of change:	Correct the definition of se call.	ession ID so the	at it may be used t	to uniquely identify a
Consequences if % not approved:	Not possible for an applic callAborted received by the ID.	ation to know the application a	which call has bee and using the curre	n aborted when a ent definition of session
Clauses affected: #	5.1.9			
Other specs % affected:	YNXOther core specificationsXTest specificationsXO&M Specifications	ations X		
Other comments: #				

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked # contain pop-up help information about the field that they are closest to.
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downloaded from the 3GPP server under <u>ftp://ftp.3gpp.org/specs/</u> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

5.1.9 TpSessionID

Defines a session ID with a value that is unique within the context of a specific implementation of an interface. This ID is used to identify different sessions (e.g. different call or call leg sessions) of an interface capable of handling multiple sessions.

Example 1, myCallObject may implement the IpCall interface. If so, myCallObject may handle multiple call sessions, and each call session will be identified by a call session ID value (e.g. 1, 2, 3) that is unique within the context of myCallObject.

Example 2, myCallAndCallLegObject may implement the IpCall and IpCallLeg interfaces. If so, myCallAndCallLegObject may handle multiple call sessions and multiple call leg sessions. Each call session will be identified by a call session ID value (e.g. 1, 2, 3) that is unique within the context of myCallAndCallLegObject. Similarly, each call leg session will be identified by a call leg session ID value (e.g. 1, 2, 3, 4, 5, 6) that is also unique within the context of myCallAndCallLegObject. Because call session IDs and call leg session IDs are different data types, overlapping values are permitted and their uniqueness still remains. The session ID is identical to a <u>TpInt32</u> type.

Defines a session ID with a value that is at least unique within the context of a specific instance of an SCF. An instance of an SCF is a single service manager instance plus the associated subordinate instances. For example, a single MultiPartyCallControlManager instance plus all associated MultiPartyCall and MultiPartyCallLeg instances. The session ID is used to identify different sessions (e.g. different call or call leg sessions) of an interface capable of handling multiple sessions.

Example 1, myCallObject may implement the IpCall interface. If so, myCallObject may handle multiple call sessions, and each call session will be identified by a call session ID value (e.g. 1, 2, 3) that is unique within the context of the SCF instance.

Example 2, myCallAndCallLegObject may implement the IpCall and IpCallLeg interfaces. If so, myCallAndCallLegObject may handle multiple call sessions and multiple call leg sessions. Each call session will be identified by a call session ID value (e.g. 1, 2, 3) that is unique within the context of the SCF instance. Similarly, each call leg session will be identified by a call leg session ID value (e.g. 1, 2, 3, 4, 5, 6) that is also unique within the context of the SCF instance. Because call session IDs and call leg session IDs are different data types, overlapping values are permitted and their uniqueness still remains.

The session ID is identical to a TpInt32 type.

	CHANGE	REQUEST							
[#] 29.19	98-02 CR 024	жrev <mark>-</mark> ж	Current version: 4.4.0 [#]						
For <u>HELP</u> on using	For HELP on using this form, see bottom of this page or look at the pop-up text over the # symbols.								
Proposed change affect	cts: UICC apps ≭	ME Radio A	ccess Network Core Network X						
Title: ೫ Cla	arification on uniqueness of a	ssignmentID							
Source: ೫ <mark>N5</mark>	5								
Work item code: ೫ <mark>୦</mark> ୨	SA1		Date: # 31/10/2002						
Category: # F Use Deta be f Reason for change: #	 <u>ane</u> of the following categories: <i>F</i> (correction) <i>A</i> (corresponds to a correction <i>B</i> (addition of feature), <i>C</i> (functional modification) ailed explanations of the above of ound in 3GPP <u>TR 21.900</u>. Clarification on uniqueness implementation of the inter The explaination of TpAss unique across different typ of an implementation of an This is currently implied by by the fact that in e.g. Call abortActionReq uses assig various types within the same set of the se	in an earlier release ature) categories can s of assignmentID face creating the ignmentID should es of method invo interface. the TpAssignmer Related User Inte gnmentID as the d me interface.	Release: # REL-4 Use one of the following releases: 2 (GSM Phase 2) 96 P96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)						
Summary of change: #	Clarify the textual descript different types of method in implementation of an interf	ion of Assignmen nvocations within a ace	t ID, i.e. they are unique across a particular instance of an						
Consequences if # not approved:	Failure to correct the API s interoperability issues.	hall result in vend	or specific interpretation and						
Clauses affected: #	5.1.8								
Other specs % affected:	Y N X Other core specifications X Test specifications X O&M Specifications	ions X							
Uner comments: #									

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. Below is a brief summary:

1) Fill out the above form. The symbols above marked **#** contain pop-up help information about the field that they are closest to.

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- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

5.1.8 TpAssignmentID

Defines an assignment ID with a value that is unique within the context of the implementation of the interface creating this ID. <u>unique to an instance of an implementation of a given interface (i.e an object)</u>, irrespective of the method invoked on it. This ID is may be used, for example, to identify single or multiple event notifications enabled by the requesting interface implementation an object. This ID can also be used by the <u>a</u> requesting interface implementation object to modify or stop further event notifications functionality (e.g event notifications, call load control) associated with a previously supplied assignment ID.

Example 1, myIpUserLocation may implement the IpUserLocation interface. If so, myIpUserLocation may receive multiple Req methods, and will generate a single assignment ID per request that is unique within the context of myIpUserLocation.

Example 2, myIpMultiPartyCallControlManager may implement the IpMultiPartyCallControlManager interface. If so, myIpMultiPartyCallControlManager may receive multiple createNotification method invocations, and will generate a single assignment ID per request that is unique within the context of myIpMultiPartyCallControlManager. myIpMultiPartyCallControlManager may also receive changeNotification or destroyNotification methods that will contain an assignment ID used to correlate these methods with the original createNotification method.

The assignment ID is identical to a <u>TpInt32</u> type.

	CHANGE RI	EQUEST	CR-Form-v7						
^ж 29.19	8-02 CR 025 #r	ev <mark>-</mark> [*]	Current version: 5.1.1 [#]						
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Title: ೫ Cla	arification on uniqueness of assig	gnmentID							
Source: % N5	5								
Work item code: ೫ <mark>○</mark>	SA2		<i>Date:</i> ೫ 31/10/2002						
Category: # A Use Deta be for Reason for change: #	 <u>one</u> of the following categories: <i>F</i> (correction) <i>A</i> (corresponds to a correction in a <i>B</i> (addition of feature), <i>C</i> (functional modification of feature) <i>D</i> (editorial modification) ailed explanations of the above categories ound in 3GPP <u>TR 21.900</u>. Clarification on uniqueness of implementation of the interface The explaination of TpAssignmunique across different types of an implementation of an interface This is currently implied by the by the fact that in e.g. Call Rel abortActionReq uses assignm various types within the same	n earlier release) e) gories can assignmentID v e creating the II nentID should c of method invoc erface. TpAssignment ated User Intera entID as the dif interface.	Release: # REL-5 Use one of the following releases: 2 2 (GSM Phase 2) 0 R96 R97 (Release 1996) R97 (Release 1997) R98 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)						
Summary of change: भ	Clarify the textual descriptrion different types of method invoc implementation of an interface	of Assignment cations within a	ID, i.e. they are unique across particular instance of an						
Consequences if # not approved:	Failure to correct the API shall interoperability issues.	result in vendo	or specific interpretation and						
Clauses affected: #	5.1.8								
Other specs ℜ affected:	YNXOther core specificationsXTest specificationsXO&M Specifications	5 #							
Other comments: अ									

How to create CRs using this form:

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1) Fill out the above form. The symbols above marked # contain pop-up help information about the field that they are closest to.

- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <u>ftp://ftp.3gpp.org/specs/</u> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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Example 1, myIpUserLocation may implement the IpUserLocation interface. If so, myIpUserLocation may receive multiple Req methods, and will generate a single assignment ID per request that is unique within the context of myIpUserLocation.

Example 2, myIpMultiPartyCallControlManager may implement the IpMultiPartyCallControlManager interface. If so, myIpMultiPartyCallControlManager may receive multiple createNotification method invocations, and will generate a single assignment ID per request that is unique within the context of myIpMultiPartyCallControlManager. myIpMultiPartyCallControlManager may also receive changeNotification or destroyNotification methods that will contain an assignment ID used to correlate these methods with the original createNotification method.

The assignment ID is identical to a <u>TpInt32</u> type.

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[#] 29.1	<mark>98-02</mark> CR <mark>026</mark>	ж rev - ^ж	Current versi	^{on:} 4.4.0 [≇]
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Category: X F Us De be Reason for change: S	 Geome of the following categories F (correction) A (corresponds to a correction B (addition of feature), C (functional modification of the distribution of the di	s: on in an earlier relea feature) e categories can STATE in Part 20	Release: % Use one of t 2 ase) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	REL-4 he following releases: (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)
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Clauses affected:	¥ 5.4.3			
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5.4.3 Constants associated with TpCommonExceptions

Name	Value	Description
P_RESOURCES_UNAVAILABLE	000Dh	The required resources in the network are not available
P_TASK_REFUSED	000Eh	The requested method has been refused
P_TASK_CANCELLED	000Fh	The requested method has been cancelled
P_NO_CALLBACK_ADDRESS_SET	0011h	The requested method is refused because no callback address has been set (this may be the result of a timing issue between setting the callback address and invoking the method)
P_METHOD_NOT_SUPPORTED	0016h	The method is not allowed or supported within the context of the current service agreement.
P_INVALID_STATE	0306h <u>0</u> 2E8h	Unexpected sequence of methods, i.e., the sequence does not match the specified state diagrams.

Annex A (normative): OMG IDL Description of the Common Data definitions

The OMG IDL representation of the present document is contained in a text file (osa.idl contained in archive 2919802IDL.ZIP) which accompanies the present document.

const TpInt32 P_INVALID_STATE = 744;

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P_INVALID_STATE	0306h0 2E8h	Unexpected sequence of methods, i.e., the sequence does not match the specified state diagrams.

Annex A (normative): OMG IDL Description of the Common Data definitions

The OMG IDL representation of the present document is contained in a text file (osa.idl contained in archive 2919802IDL.ZIP) which accompanies the present document.

const TpInt32 P_INVALID_STATE = 744;

Annex B (informative): W3C WSDL Description of the Common Data definitions

The W3C WSDL representation of this specification is contained in a text file (osa.wsdl contained in archive 2919802WSDL.ZIP) which accompanies the present document.

<xsd:simpleType name="P_INVALID_STATE"> <xsd:restriction base="osaxsd:TpInt32"> <xsd:minInclusive value="744"/> <xsd:maxInclusive value="744"/> </xsd:restriction> </xsd:simpleType>

joint-API-group (Parlay, ETSI Project OSA, 3GPP TSG_CN WG5) Meeting #22, Bangkok, THAILAND, 27 – 31 January 2003

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Proposed change	affec	<i>ts:</i> ს	IICC apps	¥ 📃	ME	Ra	dio A	ccess No	etwor	rk	Core Ne	etwork 🖌
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Other specs affected:	ж	YN X X X	Other cor Test spec O&M Spe	e specific ifications	ations	Ħ						

5.6 Address-related Data definitions

5.6.1 TpAddress

Defines the Sequence of Data Elements that specify an address.

Sequence Element Name	Sequence Element Type		
Plan	TpAddressPlan		
AddrString	TpString		
Name	TpString		
Presentation	TpAddressPresentation		
Screening	TpAddressScreening		
SubAddressString	TpString		

The AddrString defines the actual address information and the structure of the string depends on the Plan. The following table gives an overview of the format of the AddrString for the different address plans.

Address Plan	AddrString Format Description	Example				
P_ADDRESS_PLAN_NOT_PRESENT	Not applicable					
P_ADDRESS_PLAN_UNDEFINED	Not applicable					
P_ADDRESS_PLAN_IP	For Ipv4 the dotted quad notation is used. Also for IPv6 the dotted notation is used. The address can optionally be followed by a port number separated by a colon.	"127.0.0.1:42"				
P_ADDRESS_PLAN_MULTICAST	An Ipv4 class D address or Ipv6 equivalent in dotted notation.	"224.0.0.0"				
P_ADDRESS_PLAN_UNICAST	A non-multicast or broadcast IP address in dotted notation.	"127.0.0.1"				
P_ADDRESS_PLAN_E164	An international number without the international access code, including the country code and excluding the leading zero of the area code.	"31161249111"				
P_ADDRESS_PLAN_AESA	The ATM End System Address in binary format (40 bytes)	01234567890ABCDEF01234 567890ABCDEF01234567				
P_ADDRESS_PLAN_URL	A uniform resource locator as defined in IETF RFC 1738 [6]	"http://www.parlay.org"				
P_ADDRESS_PLAN_NSAP	The binary representation of the Network Service Access Point	490001AA000400010420				
P_ADDRESS_PLAN_SMTP	An e-mail address as specified in IETF RFC822 [7]	"webmaster@parlay.org"				
P_ADDRESS_PLAN_X400	The X400 address structured as a set of attribute value pairs separated by semicolons.	"C=nl;ADMD=;PRMD=uninet ;O=parlay;S=Doe;I=S;G=Joh n'				
P_ADDRESS_PLAN_SIP (Note 1)	Any valid address string allowed in RFC 3261 "SIP: Session Initiation Protocol"	"sip:user@parlay.org" "tel:+358-555- 1234567;postd=pp22" " <sip:enquiries@1.2.3.4:5060> Enquiries"</sip:enquiries@1.2.3.4:5060>				
P_ADDRESS_PLAN_ANY (Note 2)	Not applicable					
<u>P ADDRESS PLAN NATIONAL</u>	Reserved for National Specific use	Refer to relevant National <u>Numbering Plan</u> Specification				
NOTE 1: It should be noted that two SIP addresses will be regarded as equivalent by a gateway if they correspond to the same user at the same network address. The textual form of the two addresses need not be the same. For example, sip:enquiries@parlay.org will be deemed to match <sip:enquiries@l.2.3.4:5060>Enquiries (if parlay.org resolves to 1.2.3.4). NOTE 2: This is only to be used with TpAddressRange</sip:enquiries@l.2.3.4:5060>						

5.6.2 TpAddressSet

Defines a Numbered Set of Data Elements of <u>TpAddress</u>.

5.6.3 TpAddressPresentation

Defines whether an address can be presented to an end user.

Name	Value	Description
P_ADDRESS_PRESENTATION_UNDEFINED	0	Undefined
P_ADDRESS_PRESENTATION_ALLOWED	1	Presentation Allowed
P_ADDRESS_PRESENTATION_RESTRICTED	2	Presentation Restricted
P_ADDRESS_PRESENTATION_ADDRESS_NOT_AVAILABLE	3	Address not available for presentation

5.6.4 TpAddressScreening

Defines whether an address can be presented to an end user.

Name	Value	Description			
P_ADDRESS_SCREENING_UNDEFINED	0	Undefined			
P_ADDRESS_SCREENING_USER_VERIFIED_PASSED	1	user provided address verified and passed			
P_ADDRESS_SCREENING_USER_NOT_VERIFIED	2	user provided address not verified			
P_ADDRESS_SCREENING_USER_VERIFIED_FAILED		user provided address verified and failed			
P_ADDRESS_SCREENING_NETWORK	4	Network provided address (see Note)			
NOTE: Even though the application may provide the address to the gateway, from the end-user point of view it is still regarded as a network provided address.					

5.6.5 TpAddressPlan

Defines the address plan (or numbering plan) used. It is also used to indicate whether an address is actually defined in a <u>TpAddress</u> data element.

Name	Value	Description
P_ADDRESS_PLAN_NOT_PRESENT	0	No Address Present
P_ADDRESS_PLAN_UNDEFINED	1	Undefined
P_ADDRESS_PLAN_IP	2	IP
P_ADDRESS_PLAN_MULTICAST	3	Multicast
P_ADDRESS_PLAN_UNICAST	4	Unicast
P_ADDRESS_PLAN_E164	5	E.164
P_ADDRESS_PLAN_AESA	6	AESA
P_ADDRESS_PLAN_URL	7	URL
P_ADDRESS_PLAN_NSAP	8	NSAP
P_ADDRESS_PLAN_SMTP	9	SMTP
< <deprecated>> P_ADDRESS_PLAN_MSMAIL (see Note)</deprecated>	10	Microsoft Mail
P_ADDRESS_PLAN_X400	11	X.400
P_ADDRESS_PLAN_SIP	12	Any URL scheme which is allowed in RFC 3261 "SIP: Session Initiation Protocol"
P_ADDRESS_PLAN_ANY	13	Any address plan is deemed to match (This is only used for TpAddressRange)
P_ADDRESS_PLAN_NATIONAL	14	Reserved for National Specific use
NOTE: This value is not to be used.		

For the case where the P_ADDRESS_PLAN_NOT_PRESENT and P_ADDRESS_PLAN_ANY are indicated, the rest of the information in the TpAddress is not valid.

joint-API-group (Parlay, ETSI Project OSA, 3GPP TSG_CN WG5) Meeting #22, Bangkok, THAILAND, 27 – 31 January 2003

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Rel-6 (Release 6)																	
Reason for change: # To support National Specific Numbering Plans																	
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Summary of change: # The ISUP signalling parameter Nature of Address (NOA) supports a number of values which are marked "Reserved for National Use". These values can be used by the National SDO to fulfil various regulatory requirements, allocation and use of the National Numbering Plan is, in most instances, controlled by National regulation. The ISUP NOA is carried in CAP and INAP operations within the calling and called party number parameters, it is used in the mapping process between INAP/CAP and the API to determine the appropriate Pralay/OSA Address Plan indication. Parlay/OSA does not currently make allowance for national specific numbering plan variants. Although there is the option of using P_ADDRESS_PLAN_ANY however, the disadvantage of using this option is that all the other elements of TP_ADDRESS will be ignored which means that screening and presentation information will not be available.

 Consequences if not approved:
 # A mapping from INAP/CAP for National Specific numbers to Parlay/OSA cannot be provided which means that it will not be possible to trigger and provide Parlay/OSA services for these numbers. Note that there may be a regulatory requirement that these numbers should not be excluded from service

Clauses affected:	¥ 5.6.1 and 5.6.5
Other specs affected:	Y N X Other core specifications % X Test specifications % X O&M Specifications
Other comments:	¥

5.6 Address-related Data definitions

5.6.1 TpAddress

Defines the Sequence of Data Elements that specify an address.

Sequence Element Name	Sequence Element Type
Plan	TpAddressPlan
AddrString	TpString
Name	TpString
Presentation	TpAddressPresentation
Screening	TpAddressScreening
SubAddressString	TpString

The AddrString defines the actual address information and the structure of the string depends on the Plan. The following table gives an overview of the format of the AddrString for the different address plans.

Address Plan	AddrString Format Description	Example			
P_ADDRESS_PLAN_NOT_PRESENT	Not applicable				
P_ADDRESS_PLAN_UNDEFINED	Not applicable				
P_ADDRESS_PLAN_IP	For Ipv4 the dotted quad notation is used. Also for IPv6 the dotted notation is used. The address can optionally be followed by a port number separated by a colon.	"127.0.0.1:42"			
P_ADDRESS_PLAN_MULTICAST	SS_PLAN_MULTICAST An Ipv4 class D address or Ipv6 equivalent in dotted notation.				
P_ADDRESS_PLAN_UNICAST	A non-multicast or broadcast IP address in dotted notation.	"127.0.0.1"			
P_ADDRESS_PLAN_E164	An international number without the international access code, including the country code and excluding the leading zero of the area code.	"31161249111"			
P_ADDRESS_PLAN_AESA	The ATM End System Address in binary format (40 bytes)	01234567890ABCDEF01234 567890ABCDEF01234567			
P_ADDRESS_PLAN_URL	A uniform resource locator as defined in IETF RFC 1738 [6]	"http://www.parlay.org"			
P_ADDRESS_PLAN_NSAP	The binary representation of the Network Service Access Point	490001AA000400010420			
P_ADDRESS_PLAN_SMTP	An e-mail address as specified in IETF RFC822 [7]	"webmaster@parlay.org"			
P_ADDRESS_PLAN_X400	The X400 address structured as a set of attribute value pairs separated by semicolons.	"C=nl;ADMD=;PRMD=uninet ;O=parlay;S=Doe;I=S;G=Joh n'			
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P_ADDRESS_PLAN_ANY (Note 2)	Not applicable				
<u>P ADDRESS PLAN NATIONAL</u>	Reserved for National Specific use	Refer to relevant National <u>Numbering Plan</u> <u>Specification</u>			
NOTE 1: It should be noted that two SIP addresses will be regarded as equivalent by a gateway if they correspond to the same user at the same network address. The textual form of the two addresses need not be the same. For example, sip:enquiries@parlay.org will be deemed to match <sip:enquiries@l.2.3.4:5060>Enquiries (if parlay.org resolves to 1.2.3.4). NOTE 2: This is only to be used with TpAddressRange</sip:enquiries@l.2.3.4:5060>					

5.6.2 TpAddressSet

Defines a Numbered Set of Data Elements of <u>TpAddress</u>.

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P_ADDRESS_SCREENING_USER_NOT_VERIFIED	2	user provided address not verified			
P_ADDRESS_SCREENING_USER_VERIFIED_FAILED		user provided address verified and failed			
P_ADDRESS_SCREENING_NETWORK	4	Network provided address (see Note)			
NOTE: Even though the application may provide the address to the gateway, from the end-user point of view it is still regarded as a network provided address.					

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P_ADDRESS_PLAN_MULTICAST	3	Multicast
P_ADDRESS_PLAN_UNICAST	4	Unicast
P_ADDRESS_PLAN_E164	5	E.164
P_ADDRESS_PLAN_AESA	6	AESA
P_ADDRESS_PLAN_URL	7	URL
P_ADDRESS_PLAN_NSAP	8	NSAP
P_ADDRESS_PLAN_SMTP	9	SMTP
< <deprecated>> P_ADDRESS_PLAN_MSMAIL (see Note)</deprecated>	10	Microsoft Mail
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