

**3GPP TSG-CN Meeting #24  
02 – 04 June 2004, Seoul, KOREA**

**NP-040270**

**Source:** CN5 (OSA)  
**Title:** Rel-6 CR 29.198-06 OSA API Part 6: Mobility (Correct alignment between ETSI/Parlay OSA and the 3GPP OSA by adding user binding data types)  
**Agenda item:** 9.7 (OSA Enhancements [\[OSA3\]](#))  
**Document for:** APPROVAL

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Doc-1st-	Spec	CR	Rev	Phase	Subject	Cat	Version	Doc-2nd-	Workite
NP-040270	29.198-06	026	-	Rel-6	Correct alignment between ETSI/Parlay OSA and the 3GPP OSA by adding user binding data types	F	6.1.0	N5-040118	OSA3

## CHANGE REQUEST

⌘ **29.198-06 CR 026** ⌘ rev **-** ⌘ Current version: **6.1.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

<b>Title:</b>	⌘	Correct alignment between ETSI/Parlay OSA and the 3GPP OSA by adding user binding data types	
<b>Source:</b>	⌘	CN5 John-Luc Bakker (Telcordia)	
<b>Work item code:</b>	⌘	OSA3	<b>Date:</b> ⌘ 18/02/2004
<b>Category:</b>	⌘	<b>F</b>	<b>Release:</b> ⌘ REL-6
		Use <u>one</u> of the following categories: <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .	Use <u>one</u> of the following releases: <b>2</b> (GSM Phase 2) <b>R96</b> (Release 1996) <b>R97</b> (Release 1997) <b>R98</b> (Release 1998) <b>R99</b> (Release 1999) <b>Rel-4</b> (Release 4) <b>Rel-5</b> (Release 5) <b>Rel-6</b> (Release 6)

<b>Reason for change:</b>	⌘	A user binding SCF is supported in ETSI/Parlay OSA. For reasons of alignment, the user binding data types need to be implemented in OSA as well.
<b>Summary of change:</b>	⌘	Added user binding data types
<b>Consequences if not approved:</b>	⌘	Misalignment between ETSI/Parlay OSA and the 3GPP OSA specifications

<b>Clauses affected:</b>	⌘	11.1.9, 11.7, 11.7.1-7								
<b>Other specs affected:</b>	⌘	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> </table> Other core specifications ⌘ Test specifications ⌘ O&M Specifications ⌘	Y	N		X		X		X
Y	N									
	X									
	X									
	X									
<b>Other comments:</b>	⌘									

## 11.1.9 TpMobilityError

Defines an error that is reported by one of the mobility services.

Name	Value	Description	Fatal
P_M_OK	0	No error occurred while processing the request.	N/A
P_M_SYSTEM_FAILURE	1	System failure. The request cannot be handled because of a general problem in the mobility service or the underlying network.	Yes
P_M_UNAUTHORIZED_NETWORK	2	Unauthorised network, The requesting network is not authorised to obtain the user's <a href="#">binding details</a> , location or status.	No
P_M_UNAUTHORIZED_APPLICATION	3	Unauthorised application. The application is not authorised to obtain the user's <a href="#">binding details</a> , location or status.	Yes
P_M_UNKNOWN_SUBSCRIBER	4	Unknown subscriber. The user is unknown, i.e. no such subscription exists.	Yes
P_M_ABSENT_SUBSCRIBER	5	Absent subscriber. The user is currently not reachable.	No
P_M_POSITION_METHOD_FAILURE	6	Position method failure. The mobility service failed to obtain the user's position.	No

## 11.7 User Binding Data Definitions

### 11.7.1 TpBindingSet

[Defines a Numbered Set of Data Elements of TpBindingEntrySet.](#)

### 11.7.2 TpBindingEntrySet

[Defines a Numbered Set of Data Elements of TpBindingEntry.](#)

### 11.7.3 TpBindingEntry

[Defines the Tagged Choice of Data Elements that specifies binding information.](#)

	<a href="#">Tag Element Type</a>	
	<a href="#">TpBindingEntryType</a>	

<a href="#">Tag Element Value</a>	<a href="#">Choice Element Type</a>	<a href="#">Choice Element Name</a>	<a href="#">Description</a>
<a href="#">P_UB_EXPIRES</a>	<a href="#">TpInt32</a>	<a href="#">UBExpires</a>	This field can be used to enforce time limits on session duration and is defined as an integral number of seconds.
<a href="#">P_UB_CONTACT_ADDRESS</a>	<a href="#">TpAddress</a>	<a href="#">UBContactAddress</a>	This field informs the network of the subscriber's desired binding address.
<a href="#">P_UB_PREFERENCE</a>	<a href="#">TpFloat</a>	<a href="#">UBPreference</a>	This field conveys a relative order among subscriber bindings.

## 11.7.4 TpBindingEntryType

Defines the type of binding information.

<u>Name</u>	<u>Value</u>	<u>Description</u>
<u>P_UB_UNDEFINED</u>	<u>0</u>	<u>Undefined</u>
<u>P_UB_EXPIRES</u>	<u>1</u>	<u>A number indicating the number of seconds the binding is valid</u>
<u>P_UB_CONTACT_ADDRESS</u>	<u>2</u>	<u>The address representing the user's contact address</u>
<u>P_UB_PREFERENCE</u>	<u>3</u>	<u>A number between 0 and 1 indicating the contact address' relative preference</u>

## 11.7.5 TpBindingNotificationCriteriaSet

Defines a Numbered Set of Data Elements of TpBindingNotificationCriteria.

## 11.7.6 TpBindingNotificationCriteria

Defines the Sequence of Data Elements that specifies the criteria relating to binding report requests.

<u>Sequence Element Name</u>	<u>Sequence Element Type</u>
<u>NotificationCriteriaType</u>	<u>TpBindingNotificationCriteriaType</u>
<u>ContactAddressSet</u>	<u>TpAddressSet</u>

## 11.7.7 TpBindingNotificationCriteriaType

Defines the binding operations to be reported. The values may be combined by a logical 'OR' function.

<u>Name</u>	<u>Value</u>	<u>Description</u>
<u>P_UB_NEW</u>	<u>1</u>	<u>Indicates attempt to create a new binding</u>
<u>P_UB_REMOVE</u>	<u>2</u>	<u>Indicates removal of an existing binding</u>
<u>P_UB_UPDATE</u>	<u>4</u>	<u>Indicates attempt to update an existing binding</u>