

**3GPP TSG CT Plenary Meeting #28
01-03 June 2005, Quebec, CANADA**

CP-050157

Source: CT5 (OSA)
Title: Rel-6 CR 29.198-05
Agenda item: 9.7 (OSA Enhancements [\[OSA3\]](#))
Document for: APPROVAL

Doc-1st-Level	Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Doc-2nd-Level	Workitem
CP-050157	29.198-05	0066	-	Rel-6	Correct UIAdmin interface for sessionID problem	F	6.3.1	C5-050256	OSA3

CHANGE REQUEST

⌘ **29.198-05 CR 0066** ⌘ rev **-** ⌘ Current version: **6.3.1** ⌘

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

Title: ⌘ Correct UIAdmin interface for sessionID problem

Source: ⌘ CT5 Eamonn Murray - AePONA

Work item code: ⌘ OSA3 **Date:** ⌘ 29/04/05

<p>Category: ⌘ F</p> <p>Use <u>one</u> of the following categories:</p> <p>F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification)</p> <p>Detailed explanations of the above categories can be found in 3GPP TR 21.900.</p>	<p>Release: ⌘ Rel-6</p> <p>Use <u>one</u> of the following releases:</p> <p><i>Ph2</i> (GSM Phase 2) <i>R96</i> (Release 1996) <i>R97</i> (Release 1997) <i>R98</i> (Release 1998) <i>R99</i> (Release 1999) <i>Rel-4</i> (Release 4) <i>Rel-5</i> (Release 5) <i>Rel-6</i> (Release 6) <i>Rel-7</i> (Release 7)</p>
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Reason for change: ⌘ The IpUIAdminManager and IpAppUIAdminManager classes use TpSessionID as a parameter, however there is no way to create a session in the current design for these interfaces and therefore these interfaces cannot be used.

Summary of change: ⌘ Remove the existing problematic TpSessionID parameters resulting in an IpUIAdminManager service capability that is applicable to the applications use of this service, and thereby governed by the service level agreement and associated OSA access session.

The resulting methods are not session based and are therefore related to the application context that exists between application and SCS according to the SLA.

This solution is not binary compatible with the initial publication of this API first introduced in Release 6. However there are a number of justifications for making such a non backwards compatible change at this time, namely;

- There is no technical need for the use of sessions on these interfaces
- These interfaces are new in Release 6 and immature.
- These interfaces are a separate service capability and in isolation from other service capabilities specified
- Not correcting this fault will result in future interoperability problems

Consequences if not approved: ⌘ No possible valid value can be supplied for the TpSessionID parameter of these interfaces.

Clauses affected: ⌘ 8.2, 9.2

Other specs affected:	<table border="1" style="border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"> </td> <td style="padding: 2px;"> </td> </tr> <tr> <td style="padding: 2px;"> </td> <td style="padding: 2px;"> </td> </tr> <tr> <td style="padding: 2px;"> </td> <td style="padding: 2px;"> </td> </tr> </table>	Y	N							Other core specifications Test specifications O&M Specifications	⌘
Y	N										

Other comments: ⌘

Change in Clause 8.2

8.2 Generic User Interaction Administration Interface Classes

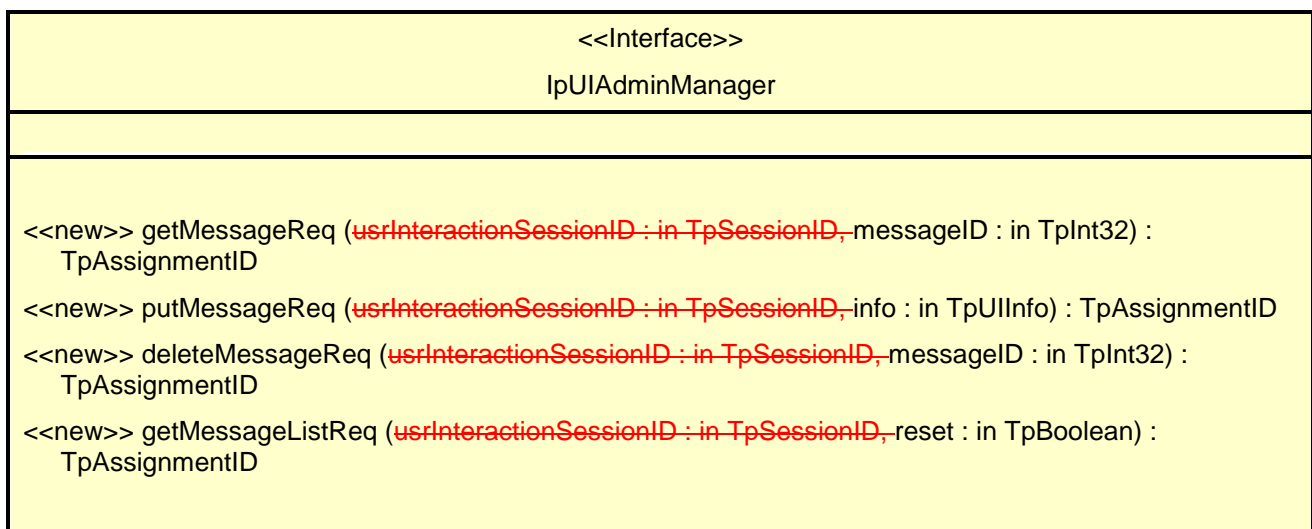
8.2.1 Interface Class IpUIAdminManager

Inherits from: IpService.

The Generic User Interaction Administration Manager Service interface is used by applications to manage user announcement and recorded messages on the gateway. This Service is represented by the IpUIAdminManager interface that interfaces to the service provided by the network. To handle responses and reports, the developer must implement IpAppUIAdminManager interface to provide the callback mechanism.

The application context will ensure that one application doesn't interfere with the messages of another application.

The User Interaction Administration Manager Service Interface provides functions to manage the messages.



8.2.1.1 Method <<new>> getMessageReq()

This asynchronous method allows retrieving the user announcement or recorded message content from the gateway.

Returns: assignmentID

Specifies the ID assigned by the user interaction [administration manager](#) interface for a user interaction request.

Parameters

~~usrInteractionSessionID : in TpSessionID~~

~~Specifies the user interaction session ID of the user interaction.~~

messageID : in TpInt32

Specifies the message ID.

*Returns***TpAssignmentID***Raises***TpCommonExceptions,****~~P_INVALID_SESSION_ID~~, P_INVALID_NETWORK_STATE, P_ILLEGAL_ID, P_ID_NOT_FOUND****8.2.1.2 Method <<new>> putMessageReq()**

This asynchronous method allows putting a user announcement message content onto the gateway. The gateway will allocate the messageID and return it to the application on the putMessageRes() confirmation.

Returns: assignmentID

Specifies the ID assigned by the generic user interaction [administration manager](#) interface for a user interaction request.

*Parameters***~~usrInteractionSessionID : in TpSessionID~~**~~Specifies the user interaction session ID of the user interaction.~~**info : in TpUIInfo**

Specifies the information to send to the user. This information can be either an ID (for pre-defined announcement or text), a text string, or an URL (indicating the information to be sent, e.g. an audio stream).

*Returns***TpAssignmentID***Raises***TpCommonExceptions, ~~P_INVALID_SESSION_ID~~, P_ILLEGAL_ID, P_ID_NOT_FOUND****8.2.1.3 Method <<new>> deleteMessageReq()**

This asynchronous method allows deleting a user announcement or recorded message.

Returns: assignmentID

Specifies the ID assigned by the generic user interaction [administration manager](#) interface for a user interaction request.

*Parameters***~~usrInteractionSessionID : in TpSessionID~~**~~Specifies the user interaction session ID of the user interaction.~~**messageID : in TpInt32**

Specifies the message ID.

*Returns***TpAssignmentID***Raises***TpCommonExceptions, ~~P_INVALID_SESSION_ID~~, P_ILLEGAL_ID, P_ID_NOT_FOUND****8.2.1.4 Method <<new>> getMessageListReq()**

This asynchronous method allows the application to retrieve a list of Message Ids for all its recorded messages or user announcements.

Returns: assignmentID

Specifies the ID assigned by the user interaction administration manager interface in order to correlate the response.

Parameters~~**usrInteractionSessionID : in TpSessionID**~~~~Specifies the user interaction session ID of the user interaction.~~**reset : in TpBoolean**

TRUE: Indicates that the application intends to obtain the list of messages starting from the beginning.

FALSE: Indicates that the application requests the next part of the list that has not (yet) been obtained since the last call to this method with this parameter set to TRUE.

The first time this method is invoked, reset shall be set to TRUE. Following the receipt of a final indication in the getMessageListRes(), for the next call to this method reset shall be set to TRUE. P_TASK_REFUSED may be thrown if these conditions are not met.

[The state information for returning the list will be stored relative to the application context, therefore only one enumeration per application context can be active at a time.](#)

*Returns***TpAssignmentID***Raises***TpCommonExceptions, ~~P_INVALID_SESSION_ID~~, P_INVALID_NETWORK_STATE****8.2.2 Interface Class IpAppUIAdminManager**

Inherits from: IpInterface.

The User Interaction Administration Manager Application Interface is implemented by the client application and is used to handle administration user interaction request responses and reports.

<<Interface>> IpAppUIAdminManager
<<new>> getMessageRes (usrInteractionSessionID : in TpSessionID , assignmentID : in TpAssignmentID, message : in TpUIInfo) : void

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<<new>> getMessageErr (usrInteractionSessionID : in TpSessionID, assignmentID : in TpAssignmentID,
  error : in TpUIError) : void
<<new>> deleteMessageRes (usrInteractionSessionID : in TpSessionID, response : in TpUIReport,
  assignmentID : in TpAssignmentID) : void
<<new>> deleteMessageErr (usrInteractionSessionID : in TpSessionID, error : in TpUIError, assignmentID :
  in TpAssignmentID) : void
<<new>> putMessageRes (usrInteractionSessionID : in TpSessionID, assignmentID : in TpAssignmentID,
  messageID : in TpInt32) : void
<<new>> putMessageErr (usrInteractionSessionID : in TpSessionID, assignmentID : in TpAssignmentID,
  error : in TpUIError) : void
<<new>> getMessageListRes (usrInteractionSessionID : in TpSessionID, assignmentID : in
  TpAssignmentID, messageIDList : in TpMessageIDList, final : in TpBoolean) : void
<<new>> getMessageListErr (usrInteractionSessionID : in TpSessionID, assignmentID : in
  TpAssignmentID, error : in TpUIError) : void

```

8.2.2.1 Method <<new>> getMessageRes()

This method returns the message content if the message was retrieved successfully.

Parameters

~~**usrInteractionSessionID : in TpSessionID**~~

~~Specifies the user interaction session ID of the user interaction.~~

assignmentID : in TpAssignmentID

Specifies the ID assigned by the user interaction [administration manager](#) interface for a user interaction request.

message : in TpUIInfo

Specifies the UI Information containing the message content information.

8.2.2.2 Method <<new>> getMessageErr()

This method indicates that the request to retrieve a message was not successful.

Parameters

~~**usrInteractionSessionID : in TpSessionID**~~

~~Specifies the user interaction session ID of the user interaction.~~

assignmentID : in TpAssignmentID

Specifies the ID assigned by the user interaction [administration manager](#) interface for a user interaction request.

error : in TpUIError

Specifies the error which led to the original request failing.

8.2.2.3 Method <<new>> deleteMessageRes()

This method indicates that the request to delete a message was successful.

Parameters

~~**usrInteractionSessionID : in TpSessionID**~~

~~Specifies the user interaction session ID of the user interaction.~~

response : in TpUIReport

Specifies the type of response received from the device where the message was stored.

assignmentID : in TpAssignmentID

Specifies the ID assigned by the user interaction [administration manager](#) interface for a user interaction request.

8.2.2.4 Method <<new>> deleteMessageErr()

This method indicates that the request to delete a message was not successful.

Parameters

~~**usrInteractionSessionID : in TpSessionID**~~

~~Specifies the user interaction session ID of the user interaction.~~

error : in TpUIError

Specifies the error which led to the original request failing.

assignmentID : in TpAssignmentID

Specifies the ID assigned by the user interaction [administration manager](#) interface for a user interaction request.

8.2.2.5 Method <<new>> putMessageRes()

This asynchronous method confirms that the request to put the message content was successful.

Parameters

~~**usrInteractionSessionID : in TpSessionID**~~

~~Specifies the user interaction session ID of the user interaction.~~

assignmentID : in TpAssignmentID

Specifies the ID assigned by the user interaction [administration manager](#) interface for a user interaction request.

messageID : in TpInt32

Specifies the message ID that was allocated by the gateway.

8.2.2.6 Method <<new>> putMessageErr()

This asynchronous method indicates that the request to put the message content resulted in an error.

Parameters~~**usrInteractionSessionID : in TpSessionID**~~~~Specifies the user interaction session ID of the user interaction.~~**assignmentID : in TpAssignmentID**Specifies the ID assigned by the user interaction [administration manager](#) interface for a user interaction request.**error : in TpUIError**

Specifies the error which led to the original request failing.

8.2.2.7 Method <<new>> getMessageListRes()

This asynchronous method returns the result of a getMessageListReq() method. Whether there are still more messages that can be listed yet will be indicated with the final parameter.

Parameters~~**usrInteractionSessionID : in TpSessionID**~~~~Specifies the user interaction session ID of the user interaction.~~**assignmentID : in TpAssignmentID**Specifies the ID assigned by the user interaction [administration](#) manager interface in order to correlate with the request.**messageIDList : in TpMessageIDList**

Specifies the list of MessageIDs returned by the SCF.

final : in TpBoolean

Indication whether the returned list is the final part of the complete list (TRUE) or if there are still parts of the list to retrieve (FALSE).

8.2.2.8 Method <<new>> getMessageListErr()

This asynchronous method indicates that the request to list the messageIDs was not successful.

Parameters~~**usrInteractionSessionID : in TpSessionID**~~~~Specifies the user interaction session ID of the user interaction.~~**assignmentID : in TpAssignmentID**Specifies the ID assigned by the user interaction [administration](#) manager interface in order to correlate with the request.**error : in TpUIError**

Specifies the error which led to the original request failing.

End of Change in Clause 8.2

Change in Clause 9.2

9.2 Generic User Interaction Administration State Transition Diagrams

9.2.1 State Transition Diagrams for IpUIAdminManager

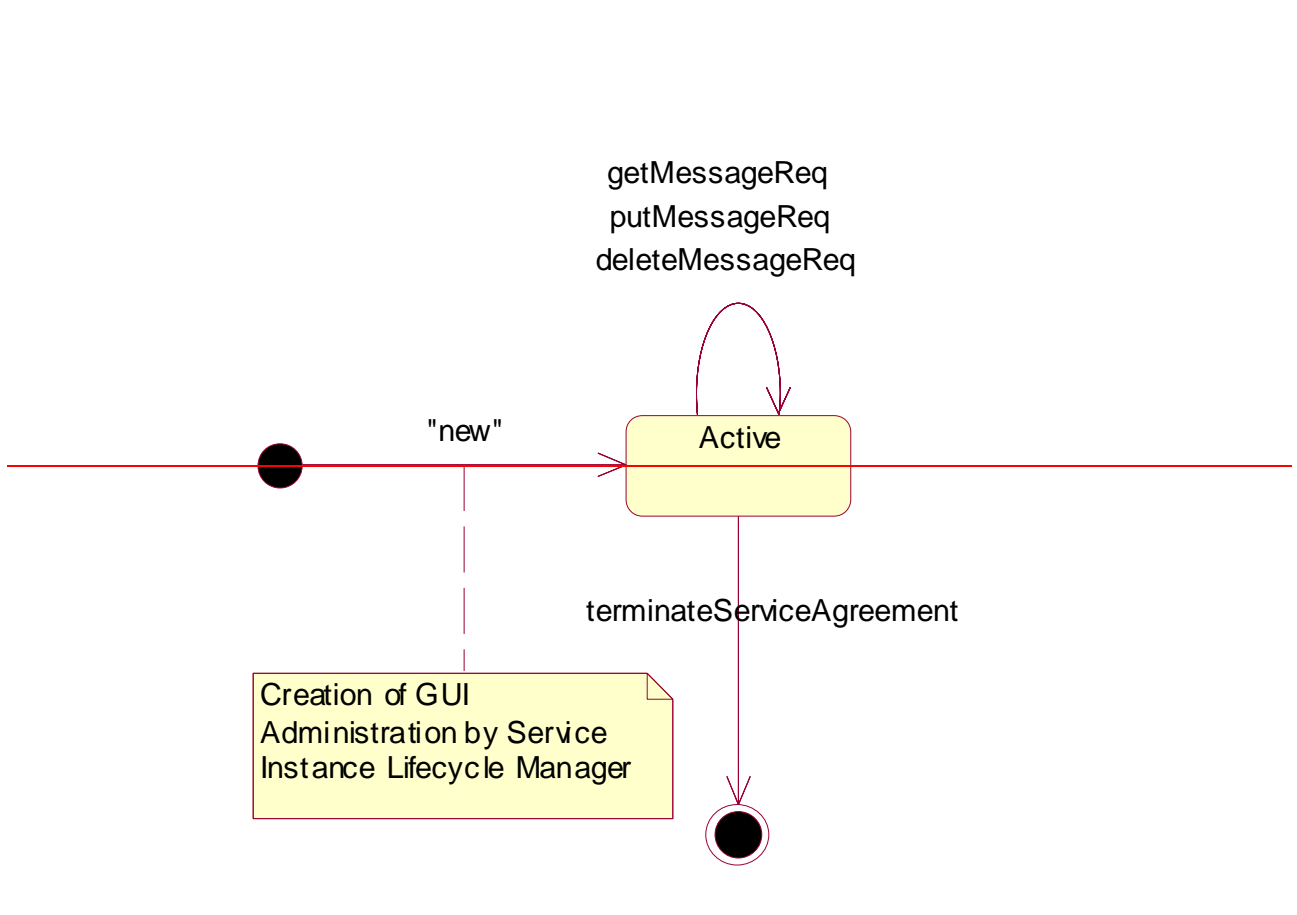
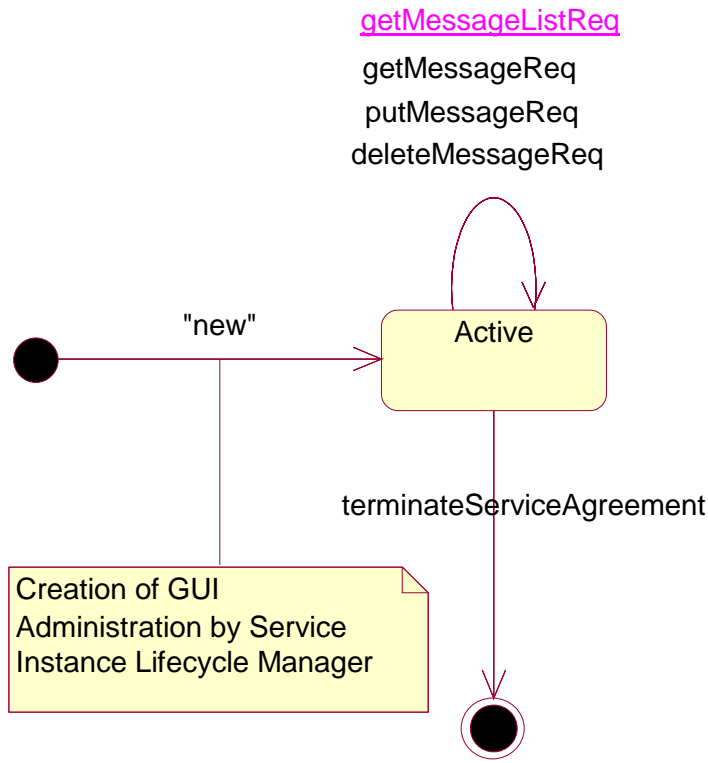


Figure : State Transition Diagram for User Interaction Administration

End of Change in Clause 9.2

Annex E (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
Jun 2003	CN_20	NP-030244	037	--	Update TpUIInfo for consistency with GMS capabilities	5.2.0	5.3.0
Jun 2003	CN_20	NP-030299	038	1	Specifying the origin of a GUI message	5.2.0	5.3.0
Sep 2003	CN_21	NP-030352	039	--	Correction to Java Realisation Annex	5.3.0	5.4.0
Dec 2003	CN_22	NP-030545	041	--	Correction to UI service responseRequested logic	5.4.0	5.5.0
Dec 2003	CN_22	NP-030553	042	--	Add OSA API support for 3GPP2 networks	5.5.0	6.0.0
Dec 2003	CN_22	NP-030554	043	--	Improve User Interaction message management functions	5.5.0	6.0.0
Dec 2003	CN_22	NP-030555	044	--	Add speech recognition/synthesis capability to the Generic User Interaction	5.5.0	6.0.0
Feb 2004	--	--	--	--	Added Java code attachment 2919805J2EE.zip which was delivered late by outside developers. See Annex C.	6.0.0	6.0.1
Jun 2004	CN_24	NP-040269	046	--	Correct List vs Set semantics in User Interaction	6.0.1	6.1.0
Jun 2004	CN_24	NP-040256	049	--	Correct the P_TRIGGERING_ADDRESSES service property	6.0.1	6.1.0
Jun 2004	CN_24	NP-040273	050	--	Remove the <> stereotype from methods which are no longer new	6.0.1	6.1.0
Sep 2004	CN_25	NP-040355	052	--	Correct J2EE source	6.1.0	6.2.0
Sep 2004	CN_25	NP-040356	053	--	Remove unused Deprecated items	6.1.0	6.2.0
Sep 2004	CN_25	NP-040357	054	--	Add getMessageListReq() within the IpUIAdminManager interface	6.1.0	6.2.0
Sep 2004	CN_25	NP-040357	055	--	Change description of InfoAddress within TpUIInfo	6.1.0	6.2.0
Sep 2004	CN_25	NP-040357	056	--	Changes to the TpUIRecognitionGrammar parameter	6.1.0	6.2.0
Sep 2004	CN_25	NP-040358	057	--	Additional GUI Feature to support HA	6.1.0	6.2.0
Sep 2004	CN_25	NP-040358	058	--	Support High Availability at API Level	6.1.0	6.2.0
Dec 2004	CN_26	NP-040485	063	--	Removal of OSA API SCFs description in W3C WSDL	6.2.0	6.3.0
Dec 2004	--	--	--	--	Added missing code attachments	6.3.0	6.3.1