Source: **CN5 (OSA)**

Title: **3 Rel-4/5/6 CR 29.198-05 OSA API Part 5: Generic user interaction**

Agenda item: **7.10 (OSA Enhancements [OSA1])**

Document for: **APPROVAL**

Doc-1st-Level	Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Doc-2nd-Level	Workitem
NP-040484	29.198-05	059	--	Rel-4	Clarification of the functionality provided by recordMessageReq() method	F	4.9.0	N5-040781	OSA1
NP-040484	29.198-05	060	--	Rel-5	Clarification of the functionality provided by recordMessageReq() method	A	5.8.0	N5-040782	OSA1
NP-040484	29.198-05	061	--	Rel-6	Clarification of the functionality provided by recordMessageReq() method	A	6.2.0	N5-040783	OSA1

CR-Form-v7

CHANGE REQUEST

⌘	**29.198-05 CR 059**	⌘ **rev**	**-**	⌘	Current version:	**4.9.0**	⌘

*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 **X**

Title:	⌘	Clarification of the functionality provided by recordMessageReq() method
Source:	⌘	CN5 (michael.walkden@bt.com)

Work item code: ⌘	OSA1		***Date:*** ⌘	25/10/2004

Category:	⌘	**F**		***Release:*** ⌘	*REL-4*

Use one of the following categories:
F (correction)
A (corresponds to a correction in an earlier release)
B (addition of feature),
C (functional modification of feature)
D (editorial modification)
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2   (GSM Phase 2)
R96   (Release 1996)
R97   (Release 1997)
R98   (Release 1998)
R99   (Release 1999)
Rel-4   (Release 4)
Rel-5   (Release 5)
Rel-6   (Release 6)

Reason for change:	⌘	The use of the recordMessageReq() is not clear within in an interaction sequence. It is not clear whether the recordMessageReq() method should be used to play content to the user prior to recording or just to initiate recording. Ideally the sequence flow should use sendInfoReq() followed by recordMessageReq() but in order to avoid deprecating the info parameter it is suggested that the method description is updated to explicitly state that the recordMessageReq() method can be used to initiate the sending of a UI message before recording the subsequent user input.
Summary of change: ⌘		Add a description against the recordMessageReq() method to explicitly state the context in which the method should be used, namely that it a) Can be used to send a message to the user before recording the subsequent input. b) If the info parameter is null, the recordMessageReq() will just invoke recording at that point.
Consequences if not approved:	⌘	Ambiguity and inter-operability problems with User Interaction based applications as well as between App Servers and Gateways. One interpretation of the current spec is that the record message should not invoke sending announcements and therefore a Gateway built under this assumption will not serve an application which tries to use recordMessageReq() in order to play an announcement and record the subsequent input.

Clauses affected:	⌘	8.5

	Y	N		
Other specs affected: ⌘	X		Other core specifications	⌘
		X	Test specifications	
		X	O&M Specifications	

Other comments:	⌘	

8.5 Interface Class IpUICall

Inherits from: IpUI.

The Call User Interaction Service Interface provides functions to send information to, or gather information from the user (or call party) to which a call leg is connected. An application can use the Call User Interaction Service Interface only in conjunction with another service interface, which provides mechanisms to connect a call leg to a user. At present, only the Call Control service supports this capability.

This interface, or the IpUI interface, shall be implemented by a Generic User Interaction SCF as a minimum requirement. The minimum required methods of interface IpUI shall be implemented.

<<Interface>>
IpUICall
recordMessageReq (userInteractionSessionID : in TpSessionID, info : in TpUIInfo, criteria : in TpUIMessageCriteria) : TpAssignmentID
deleteMessageReq (usrInteractionSessionID : in TpSessionID, messageID : in TpInt32) : TpAssignmentID
abortActionReq (userInteractionSessionID : in TpSessionID, assignmentID : in TpAssignmentID) : void
<<new>> getMessageReq (userInteractionSessionID : in TpSessionID, messageID : in TpInt32) : TpAssignmentID

8.5.1 Method recordMessageReq()

This asynchronous method allows the application to send user interaction content to the user followed by the recording of a subsequent user input~~message~~. The recorded message can be played back at a later time with the sendInfoReq() method. If the info parameter is not populated the resource will simply invoke recording at that point in the dialogue.

Returns: assignmentID

Specifies the ID assigned by the generic user interaction interface for a user interaction request.

Parameters

userInteractionSessionID : 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).

criteria : in TpUIMessageCriteria

Defines the criteria for recording of messages

Returns

TpAssignmentID

Raises

TpCommonExceptions, P_INVALID_SESSION_ID, P_INVALID_NETWORK_STATE, P_ILLEGAL_ID, P_ID_NOT_FOUND, P_INVALID_CRITERIA

CR-Form-v7

CHANGE REQUEST

⌘   **29.198-05 CR 060**   ⌘**rev** **-** ⌘ Current version: **5.8.0** ⌘

*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 **X**

Title: ⌘	Clarification of the functionality provided by recordMessageReq() method	
Source: ⌘	CN5 (michael.walkden@bt.com)	
Work item code: ⌘	OSA1	***Date:*** ⌘ 25/10/2004

Category: ⌘ **A**	***Release:*** ⌘ *REL-5*

Use <u>one</u> of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can
be found in 3GPP TR 21.900.

Use <u>one</u> of the following releases:
2   *(GSM Phase 2)*
R96   *(Release 1996)*
R97   *(Release 1997)*
R98   *(Release 1998)*
R99   *(Release 1999)*
Rel-4   *(Release 4)*
Rel-5   *(Release 5)*
Rel-6   *(Release 6)*

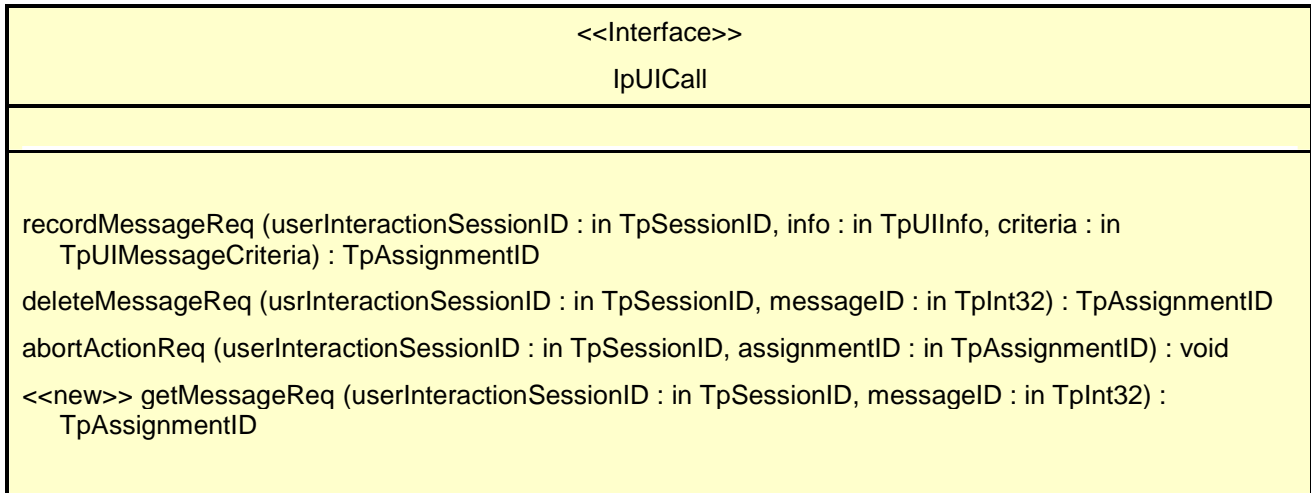|	
Reason for change: ⌘	The use of the recordMessageReq() is not clear within in an interaction sequence. It is not clear whether the recordMessageReq() method should be used to play content to the user prior to recording or just to initiate recording. Ideally the sequence flow should use sendInfoReq() followed by recordMessageReq() but in order to avoid deprecating the info parameter it is suggested that the method description is updated to explicitly state that the recordMessageReq() method can be used to initiate the sending of a UI message before recording the subsequent user input.
Summary of change: ⌘	Add a description against the recordMessageReq() method to explicitly state the context in which the method should be used, namely that it a) Can be used to send a message to the user before recording the subsequent input. b) If the info parameter is null, the recordMessageReq() will just invoke recording at that point.
Consequences if not approved: ⌘	Ambiguity and inter-operability problems with User Interaction based applications as well as between App Servers and Gateways. One interpretation of the current spec is that the record message should not invoke sending announcements and therefore a Gateway built under this assumption will not serve an application which tries to use recordMessageReq() in order to play an announcement and record the subsequent input.

Clauses affected: ⌘	8.5

	Y	**N**	
Other specs ⌘	**X**		Other core specifications ⌘
affected:		**X**	Test specifications
		X	O&M Specifications

Other comments: ⌘	

8.5   Interface Class IpUICall

Inherits from: IpUI.

The Call User Interaction Service Interface provides functions to send information to, or gather information from the user (or call party) to which a call leg is connected. An application can use the Call User Interaction Service Interface only in conjunction with another service interface, which provides mechanisms to connect a call leg to a user. At present, only the Call Control service supports this capability.

   This interface, or the IpUI interface, shall be implemented by a Generic User Interaction SCF as a minimum requirement. The minimum required methods of interface IpUI shall be implemented.

<<Interface>>
IpUICall
recordMessageReq (userInteractionSessionID : in TpSessionID, info : in TpUIInfo, criteria : in TpUIMessageCriteria) : TpAssignmentID deleteMessageReq (usrInteractionSessionID : in TpSessionID, messageID : in TpInt32) : TpAssignmentID abortActionReq (userInteractionSessionID : in TpSessionID, assignmentID : in TpAssignmentID) : void <<new>> getMessageReq (userInteractionSessionID : in TpSessionID, messageID : in TpInt32) : TpAssignmentID

8.5.1   Method recordMessageReq()

This asynchronous method allows the application to send user interaction content to the user followed by the recording of a subsequent user input~~message~~. The recorded message can be played back at a later time with the sendInfoReq() method. If the info parameter is not populated the resource will simply invoke recording at that point in the dialogue.

Returns: assignmentID

Specifies the ID assigned by the generic user interaction interface for a user interaction request.

Parameters

userInteractionSessionID : 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).

criteria : in TpUIMessageCriteria

 Defines the criteria for recording of messages

Returns

TpAssignmentID

Raises

TpCommonExceptions, P_INVALID_SESSION_ID, P_INVALID_NETWORK_STATE, P_ILLEGAL_ID, P_ID_NOT_FOUND, P_INVALID_CRITERIA

CR-Form-v7

CHANGE REQUEST

| ⌘ | **29.198-05** CR **061** | ⌘**rev** | **-** | ⌘ | Current version: | **6.2.0** | ⌘ |

*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 **X**

Title: ⌘	Clarification of the functionality provided by recordMessageReq() method	
Source: ⌘	CN5 (michael.walkden@bt.com)	
Work item code: ⌘	OSA1	***Date:*** ⌘ 25/10/2004
Category: ⌘ **A**		***Release:*** ⌘ *REL-6*

Use <u>one</u> of the following categories:
F (correction)
A (corresponds to a correction in an earlier release)
B (addition of feature),
C (functional modification of feature)
D (editorial modification)
Detailed explanations of the above categories can
be found in 3GPP TR 21.900.

Use <u>one</u> of the following releases:
2   (GSM Phase 2)
R96   (Release 1996)
R97   (Release 1997)
R98   (Release 1998)
R99   (Release 1999)
Rel-4   (Release 4)
Rel-5   (Release 5)
Rel-6   (Release 6)

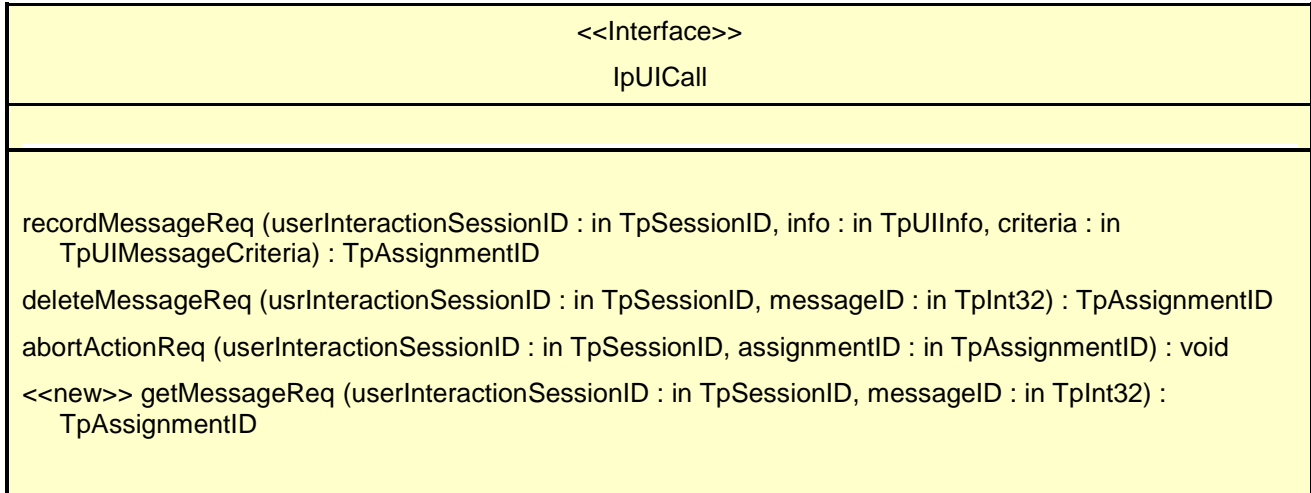|	
Reason for change: ⌘	The use of the recordMessageReq() is not clear within in an interaction sequence. It is not clear whether the recordMessageReq() method should be used to play content to the user prior to recording or just to initiate recording. Ideally the sequence flow should use sendInfoReq() followed by recordMessageReq() but in order to avoid deprecating the info parameter it is suggested that the method description is updated to explicitly state that the recordMessageReq() method can be used to initiate the sending of a UI message before recording the subsequent user input.
Summary of change: ⌘	Add a description against the recordMessageReq() method to explicitly state the context in which the method should be used, namely that it a) Can be used to send a message to the user before recording the subsequent input. b) If the info parameter is null, the recordMessageReq() will just invoke recording at that point.
Consequences if not approved: ⌘	Ambiguity and inter-operability problems with User Interaction based applications as well as between App Servers and Gateways. One interpretation of the current spec is that the record message should not invoke sending announcements and therefore a Gateway built under this assumption will not serve an application which tries to use recordMessageReq() in order to play an announcement and record the subsequent input.

Clauses affected: ⌘	8.5

		Y	N		
Other specs affected: ⌘		X		Other core specifications ⌘	
			X	Test specifications	
			X	O&M Specifications	

Other comments: ⌘	

8.5 Interface Class IpUICall

Inherits from: IpUI.

The Call User Interaction Service Interface provides functions to send information to, or gather information from the user (or call party) to which a call leg is connected. An application can use the Call User Interaction Service Interface only in conjunction with another service interface, which provides mechanisms to connect a call leg to a user. At present, only the Call Control service supports this capability.

    This interface, or the IpUI interface, shall be implemented by a Generic User Interaction SCF as a minimum requirement. The minimum required methods of interface IpUI shall be implemented.

<<Interface>>
IpUICall
recordMessageReq (userInteractionSessionID : in TpSessionID, info : in TpUIInfo, criteria : in TpUIMessageCriteria) : TpAssignmentID
deleteMessageReq (usrInteractionSessionID : in TpSessionID, messageID : in TpInt32) : TpAssignmentID
abortActionReq (userInteractionSessionID : in TpSessionID, assignmentID : in TpAssignmentID) : void
<<new>> getMessageReq (userInteractionSessionID : in TpSessionID, messageID : in TpInt32) : TpAssignmentID

8.5.1 Method recordMessageReq()

This asynchronous method allows the application to send user interaction content to the user followed by the recording of a subsequent user input~~message~~. The recorded message can be played back at a later time with the sendInfoReq() method. If the info parameter is not populated the resource will simply invoke recording at that point in the dialogue.

Returns: assignmentID

Specifies the ID assigned by the generic user interaction interface for a user interaction request.

Parameters

userInteractionSessionID : 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).

criteria : in TpUIMessageCriteria

 Defines the criteria for recording of messages

Returns

TpAssignmentID

Raises

TpCommonExceptions, P_INVALID_SESSION_ID, P_INVALID_NETWORK_STATE, P_ILLEGAL_ID, P_ID_NOT_FOUND, P_INVALID_CRITERIA