

Source: SA1
Title: CRs to 22.127 V 4.0.0 on User interaction (Release 4)
Document for: Approval
Agenda Item: 7.1.3

Spec	CR	Re v	Phas e	Subject	Cat	Versio n- Curren t	Versio n-New
22.127	001		Rel-4	CR to 22.127 V 4.0.0 on CS Call Control (Release 4)	F	4.0.0	4.1.0
22.127	002		Rel-4	CR to 22.127 V 4.0.0 on User interaction(Release 4)	F	4.0.0	4.1.0

CR-Form-v3

CHANGE REQUEST

⌘ **TS 22.127** **CR** **001** ⌘ rev **-** ⌘ Current version: **4.0.0** ⌘

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

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ OSA Call Control functionality to create CS or PS calls removed from Rel'4		
Source:	⌘ SA1		
Work item code:	⌘ OSA1	Date:	⌘ 06/02/01
Category:	⌘ F	Release:	⌘ REL-4
	<p>Use <u>one</u> of the following categories:</p> <p>F (essential 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>Use <u>one</u> of the following releases:</p> <p>2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)</p>

Reason for change:	⌘	In the current OSA stage 1 (22.127 Version 4.0.0) there exists a requirement for the OSA interface to be able to create CS or PS calls. For release 4 there exists no mechanism to accomplish this.
Summary of change:	⌘	The requirement for the OSA Call Control functions to be able to create a CS call (in the CS domain) or to create a PDP-context (for GPRS) has been removed
Consequences if not approved:	⌘	Inconsistency with TS 23.127 and 29.189 in Release 4

Clauses affected:	⌘	12.2.1.1, 12.2.1.2
Other specs affected:	⌘	<input type="checkbox"/> Other core specifications <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications
Other comments:	⌘	

124.2.1.1 CS Call Control functions

This subclause details with circuit switched call control functions. The purpose of this function is to allow applications to control and monitor calls.

Applications should have the ability to :

~~□ Create Calls:~~

~~This provides the ability for an application to initiate a new call on behalf of a subscriber. Once the call has been initiated, the application may apply the functions described in this subclause.~~

- **Release Calls:**

This provides the ability for the application to force the release of a call. The application may provide an indication of the reason for release of the call.

- **Control Calls:**

This provides the ability for an application to modify the information pertaining to the call at the time of establishment of the call. The application may also allow the call to continue with or without the modified information pertaining to the call. The application shall have the ability to request call events to be observed by the network and reported back to the application.

- **Request call information:**

This provides the ability for an application to request information relating to the call in progress. Such requested information includes call duration, call end time.

- **Monitor calls:**

This provides the ability for an application to monitor for call duration and tariff switching moments.. An application may specify a threshold for the duration of a call or a part thereof. The application shall have the ability to grant new thresholds when the expiry of a previously set threshold has been reported to the application.

- **Presentation of, or restriction of, information associated with a party involved in a call (e.g. calling line ID, calling name);**

- **Relinquish control over a call**

This allows an application to relinquish control over a call but still allowing the established call to continue. Once the control of the call has been relinquished, the application may not be able to regain control over that call.

- **Interact with a user**

This provides the ability for an application to interact with a user. An application may be able to send specific information to the user and may request the collection of data from the user. The information sent to the user may include an indication of an announcement, text or user specific data.

For each call it shall be possible to specify:

- the events on which monitoring is required ([10]).

NOTE: The mapping to service capabilities is for further study (it shall be investigated to which extend the requirements above fit to CAMEL, MEXE and other service capabilities).

12.2.1.2 PS Call Control functions

This subclause details with packet switched call control functions. The purpose of this function is to allow applications to control and monitor GPRS sessions. A GPRS Session may consists of one or more GPRS PDP context.

Applications should have the ability to :

Create a PDP context:

~~This provides the ability for an application to initiate a new PDP context on behalf of a subscriber. Once the PDP context has been initiated, the application may apply the functions described in this subclause.~~

- **Release a PDP context:**

This provides the ability for the application to force a PDP context to be released. The application may provide an indication of the reason for release of the PDP context.

- **Control a PDP context:**

This provides the ability for an application to modify the information pertaining to the PDP context at the time of establishment. The application may also allow the PDP context to continue with or without the modified information pertaining to the PDP context. The application shall have the ability to request events to be observed by the network and reported back to the application. .

- **Monitor a PDP context:**

This provides the ability for an application to monitor for PDP context duration and tariff switching moments.. An application may specify a threshold for the duration of a PDP context or a part thereof. The application shall have the ability to grant new thresholds when the expiry of a previously set threshold has been reported to the application.

- **Monitor a GPRS session:**

This provides the ability for an application to monitor for GPRS session data volume. An application may specify a threshold for the amount of data allowed to be transferred within a GPRS session. The application shall have the ability to grant new thresholds when the expiry of a previously set threshold has been reported to the application.

CR-Form-v3

CHANGE REQUEST

⌘ **TS 22.127** CR **002** ⌘ rev **-** ⌘ Current version: **4.0.0** ⌘

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

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ OSA CS Call Control functionality for user interaction clarified		
Source:	⌘ SA1		
Work item code:	⌘ OSA	Date:	⌘ 06/02/01
Category:	⌘ F	Release:	⌘ REL-4
	Use <u>one</u> of the following categories: F (essential 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)

Reason for change:	⌘ In the current OSA stage 1 (22.127 Version 4.0.0) is unclear what kind of user interaction for CS CC needs to be considered.
Summary of change:	⌘ Sending information to the user or collecting information from the user shall be supported when the user is engaged in a call (e.g. USSD, DTMF) or call-unrelated (e.g. USSD, SMS)
Consequences if not approved:	⌘ Stage 2 and 3 do not know what to implement

Clauses affected:	⌘ 11.2.1.1		
Other specs affected:	<input type="checkbox"/> Other core specifications <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications	⌘	
Other comments:	⌘		

124.2.1.1 CS Call Control functions

This subclause details with circuit switched call control functions. The purpose of this function is to allow applications to control and monitor calls.

Applications should have the ability to :

- **Create Calls:**

This provides the ability for an application to initiate a new call on behalf of a subscriber. Once the call has been initiated, the application may apply the functions described in this subclause.

- **Release Calls:**

This provides the ability for the application to force the release of a call. The application may provide an indication of the reason for release of the call.

- **Control Calls:**

This provides the ability for an application to modify the information pertaining to the call at the time of establishment of the call. The application may also allow the call to continue with or without the modified information pertaining to the call. The application shall have the ability to request call events to be observed by the network and reported back to the application.

- **Request call information:**

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- **Monitor calls:**

This provides the ability for an application to monitor for call duration and tariff switching moments.. An application may specify a threshold for the duration of a call or a part thereof. The application shall have the ability to grant new thresholds when the expiry of a previously set threshold has been reported to the application.

- **Presentation of, or restriction of, information associated with a party involved in a call (e.g. calling line ID, calling name);**

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- **Interact with a user**

This provides the ability for an application to interact with a user. An application may be able to send specific information to the user and may request the collection of data from the user. Sending information to the user or collecting information from the user shall be supported when the user is engaged in a call (e.g. USSD, DTMF) or call-unrelated (e.g. USSD, SMS). The information sent to the user may include an indication of an announcement, text or user specific data.

Note: Call related user interaction may e.g. be used to play/record/customise user specific announcements while through call-unrelated user interaction e.g. service preferences may be managed.

For each call it shall be possible to specify:

- the events on which monitoring is required ([10]).

NOTE: The mapping to service capabilities is for further study (it shall be investigated to which extend the requirements above fit to CAMEL, MEXE and other service capabilities).