

**3GPP TSG CN Plenary
Meeting #10, Bangkok, Thailand
6th – 8th December 2000**

Tdoc NP-000721

Source: TSG CN WG 5 Chair
Title: CRs to R99 Work Item OSA, 3GPP TR 29.998
Agenda item: 7.23
Document for: APPROVAL

Introduction:

This document contains one CR originally presented to this meeting in NP-000623. The chapter numbering has been dealt with as concluded during the discussion of NP-000623.

SPEC	CR	REV	TDoc	PHASE	SUBJECT	CAT	OLD VER
29.998	007	1	N5-000196	R99	Chapter numbering corrections	F	3.1.0

3GPP Meeting CN5 #6
Vienna, Austria, 17-19 Oct 2000

Document N5-000196

e.g. for 3GPP use the format TP-99xxx
 or for SMG, use the format P-99-xxx

<h2 style="margin: 0;">CHANGE REQUEST</h2>				<i>Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.</i>
29.998	CR	007r1	Current Version: 3.1.0	
<small>GSM (AA.BB) or 3G (AA.BBB) specification number ↑</small>		<small>↑ CR number as allocated by MCC support team</small>		
<small>For submission to: CN#10 list expected approval meeting # here ↑</small>	<small>for approval for information</small>	<input checked="" type="checkbox"/>	<small>strategic non-strategic</small>	<small>(for SMG use only)</small>

Form: CR cover sheet, version 2 for 3GPP and SMG The latest version of this form is available from: ftp://ftp.3gpp.org/Information/CR-Form-v2.doc

Proposed change affects: (U)SIM ME UTRAN / Radio Core Network
(at least one should be marked with an X)

Source: Nokia **Date:** 11 October 2000

Subject: Chapter numbering corrections

Work item: OSA

Category:	F Correction <input checked="" type="checkbox"/> A Corresponds to a correction in an earlier release <input type="checkbox"/> B Addition of feature <input type="checkbox"/> C Functional modification of feature <input type="checkbox"/> D Editorial modification <input type="checkbox"/>	Release:	Phase 2 <input type="checkbox"/> Release 96 <input type="checkbox"/> Release 97 <input type="checkbox"/> Release 98 <input type="checkbox"/> Release 99 <input checked="" type="checkbox"/> Release 00 <input type="checkbox"/>
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(only one category shall be marked with an X)

Reason for change: There are two chapters (6.1.4 and 6.1.6) missing from the document and two chapters with a duplicated chapter number (6.2.14).

 N5-00196 was approved with consensus during the N5 meeting. During the discussion of the proposal in the CN plenary a different approach to the section numbering correction was agreed, and implemented in this update, as category changed from D to F and the CR revision stepped.

Clauses affected: Contents, 6.1.4 – 6.1.10, (6.2.14), 6.2.15

Other specs affected:	Other 3G core specifications <input type="checkbox"/> Other GSM core specifications <input type="checkbox"/> MS test specifications <input type="checkbox"/> BSS test specifications <input type="checkbox"/> O&M specifications <input type="checkbox"/>	→ List of CRs: → List of CRs: → List of CRs: → List of CRs: → List of CRs:	
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Other comments:



help.doc

<----- double-click here for help and instructions on how to create a CR.

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6.1.4

Void section, included for the sake of section numbering consistency.

6.1.5 getCriteria

getCriteria is used by the application to query the event criteria set with *enableCallNotification*.

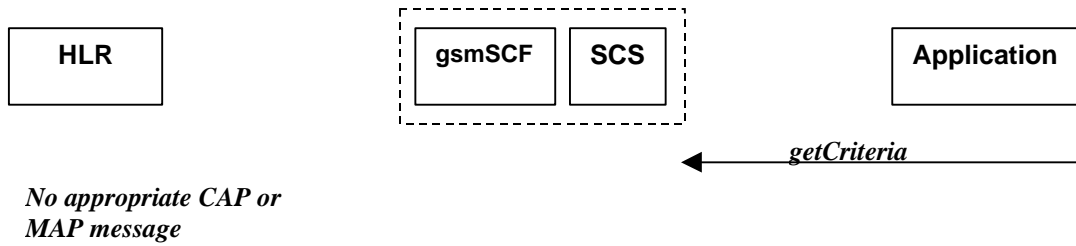


Figure 6-4: Call Flow for getCriteria

Normal Operation

Pre-conditions	Notifications have been enabled by the application.
1	The application invokes the <i>getCriteria</i> method
2	The SCS returns the criteria

Parameter Mapping

None.

6.1.6

Void section, included for the sake of section numbering consistency.

6.1.7 callNotificationInterrupted

callNotificationInterrupted indicates to the application that all event notifications have been interrupted, for example due to faults detected.

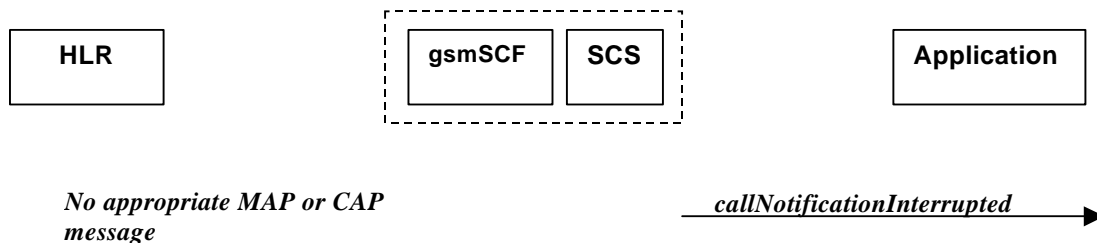


Figure 6-5: Call Flow for callNotificationInterrupted

Normal Operation

Pre-conditions	Call notifications have been enabled using the <i>enableNotification</i> method on the Call Manager interface
1	The SCS has detected, or has been informed of, a fault which prevents further events from being notified
2	The SCS invokes the <i>callNotificationInterrupted</i> method

Parameter Mapping

None.

6.1.8 callNotificationContinued

callNotificationContinued indicates to the application that all event notifications have been previously interrupted, have now started again.

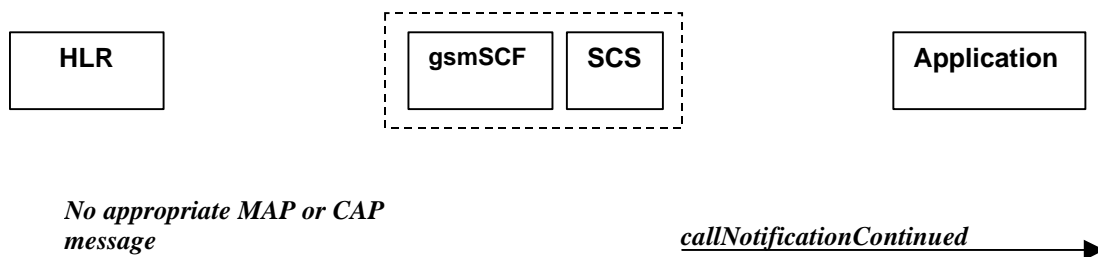


Figure 6-6: Call Flow for callNotificationContinued

Normal Operation

Pre-conditions	Call notifications have been interrupted and <i>callNotificationInterrupted</i> method has been invoked.
1	The SCS detects that call notifications are again possible.
2	The SCS invokes the <i>callNotificationContinued</i> method

Parameter Mapping

None.

6.1.9 callAborted

callAborted indicates to the application that the call object has aborted or terminated abnormally. No further communication will be possible between the call and the application.

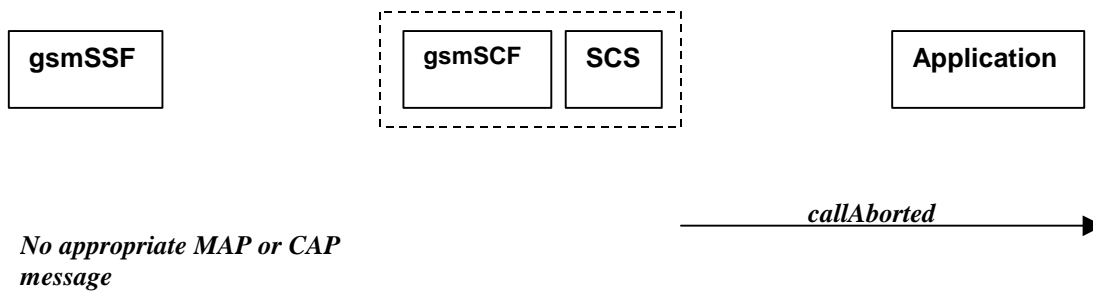


Figure 6-7: Call Flow for callAborted

Normal Operation

Pre-conditions	
1	The SCS detect a catastrophic failure in its communication with the gsmSCF
2	The SCS, invokes the <i>callAborted</i> method. The call running in the network may continue and will not have been affected by this failure between the gsmSCF and the SCS

Parameter Mapping

None.

6.1.10 callEventNotify

callEventNotify notifies the application of the arrival of a call-related event.

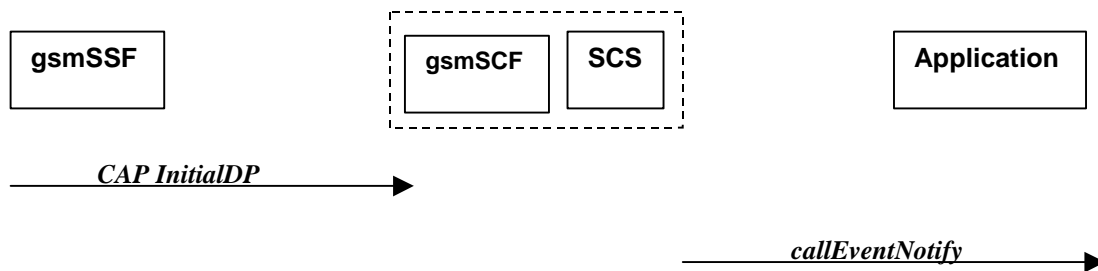


Figure 6-8: Call Flow for callEventNotify

Normal Operation

Pre-conditions	Call notifications have been enabled using the <i>enableCallNotification</i> method on the Call Manager interface
1	A call arrives at the gsmSSF causing initial triggering to the gsmSCF CAP <i>InitialDP</i>
2	The gsmSCF recognizes the need for an API service and passes the triggering information to the SCS
3	The SCS identifies the application responsible for handling the call and invokes the <i>callEventNotify</i> method

Parameter Mapping

From: CAP InitialDP	To: <i>callEventNotify</i>
	callReference
	eventInfo (TpCallEventInfo) :
calledPartyNumber	destinationAddress
calledPartyBCDNumber BCD	
calling Party Number	originatingAddress
originalCalledPartyID	originalDestinationAddress
redirectingPartyID	redirectingAddress
	callAppInfo (TpCallAppInfoSet) :

	CallAppAlertingMechanism
	CallAppNetworkAccessType
	CallAppInterworkingIndicators
ext-BasicServiceCode (1st priority)	CallAppBearerService CallAppTeleService
highLayerCompatibility (2nd priority)	CallAppTeleService
bearerCapability (2nd priority)	CallAppBearerService
callingPartysCategory	CallAppPartyCategory
	CallAppPresentationAddress
	CallAppGenericInfo
additionalCallingPartyNumber	CallAppAdditionalAddress
eventTypeBCSM	callEventName (Table 1)
	callNotificationType
	assignmentID
	appInterface
serviceKey	<Note: mapped to the method invocation>
cGEncountered	
iPSSPCapabilities	
locationNumber	
redirectionInformation	
iMSI	
subscriberState	
locationInformation	
callReferenceNumber	
serviceInteractionIndicatorsTwo	
mscAddress	
timeAndTimezone	
gsm-ForwardingPending	
initialDPargExtension :	
naCarrierInformation	
gmscAddress	
cause	

cug-Index	
cug-Interlock	
cug-OutgoingAccess	

From: <i>CAP InitialDP</i> parameter <i>eventTypeBCSM</i>	To: <i>callEventNotify</i> parameter <i>callEventName</i> in <i>eventInfo</i>
<no mapping available>	P_EVENT_NAME_UNDEFINED
<no mapping available>	P_EVENT_GCCS_OFFHOOK_EVENT
collectedInfo, termAttemptAuthorized	P_EVENT_GCCS_ADDRESS_COLLECTED_EVENT
analyzedInformation	P_EVENT_GCCS_ADDRESS_ANALYSED_EVENT
tBusy	P_EVENT_GCCS_CALLED_PARTY_BUSY
tBusy ¹	P_EVENT_GCCS_CALLED_PARTY_UNREACHABLE
tNoAnswer	P_EVENT_GCCS_NO_ANSWER_FROM_CALLED_PARTY
routeSelectFailure	P_EVENT_GCCS_ROUTE_SELECT_FAILURE
<no mapping available>	P_EVENT_GCCS_ANSWER_FROM_CALL_PARTY

Table 1 : eventTypeBCSM mapping to callEventName

¹ Depending on the value of the *cause* parameter in the *initialDPArg extensions* parameter of the InitialDP operation

6.2.14a callEnded

callEnded will be invoked when the call has ended. Furthermore, the operation contains an indication on the reason why the call has been ended. Also the operation will always be invoked when the call has ended and not only when the application has requested its interest in this event.

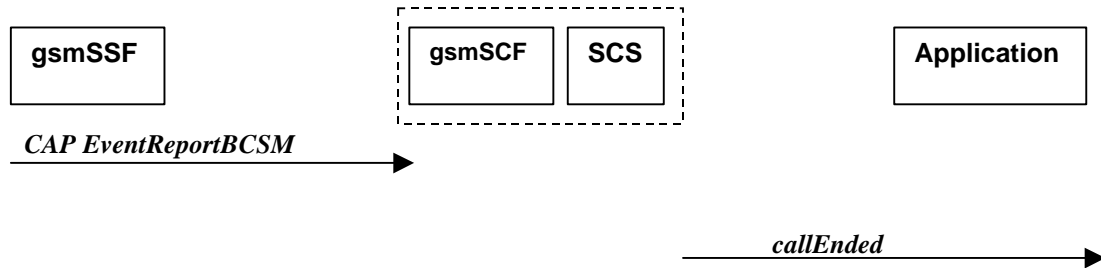


Figure 6-23: Call Flow for callEnded

Normal Operation

Pre-conditions	There is an application monitoring the call in some way.
1	The gsmSSF detects a release from the calling or called party leg. CAP eventReportBCSM is sent if requested by the gsmSCF The BCSM event indicated may be either abandon or disconnect depending on the phase of the call.
2	The gsmSCF sends an equivalent message to the SCS
3	The SCS invokes the <i>callEnded</i> method.

Parameter Mapping

From: <i>CAP EventReportBCSM</i>	To: <i>callEnded</i>
	callSessionID
eventTypeBCSM	
	report
legID	callLegSessionID
eventSpecificInformationBCSM:	cause
releaseCause	
miscCallInfo	