

**3GPP TSG CN Plenary Meeting #17  
4 - 6 September 2002, Biarritz, FRANCE**

**NP-020430**

**Source:** CN5 (OSA)  
**Title:** Rel-5 CRs 29.198-04-2 OSA API; Generic CC SCF  
**Agenda item:** 8.2  
**Document for:** APPROVAL

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Doc-1st-Level	Spec	CR	R ev	Phase	Subject	Cat	Version-Current	Doc-2nd-Level	Workitem
NP-020430	29.198-04-2	001	-	Rel-5	Correction on use of NULL in Call Control API	A	5.0.0	N5-020765	OSA2

## CHANGE REQUEST

⌘ **29.198-04-2 CR 001** ⌘ rev **-** ⌘ Current version: **5.0.0** ⌘

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

<b>Title:</b>	⌘ Correction on use of NULL in Call Control API		
<b>Source:</b>	⌘ CN5		
<b>Work item code:</b>	⌘ OSA2	<b>Date:</b>	⌘ 16/08/2002
<b>Category:</b>	⌘ <b>A</b> 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 TR 21.900.	<b>Release:</b>	⌘ <b>REL-5</b> 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>Reason for change:</b>	⌘ OMG IDL does not support NULL as a valid value for a data type; attempts to send a null value result in a marshalling exception and a gateway can never receive the call.
<b>Summary of change:</b>	⌘ Occurrences of the use of NULL as a valid setting for Call Control API parameters have been replaced. Use of null modified to define appropriate behaviour in NOTIFY mode.
<b>Consequences if not approved:</b>	⌘ Failure to correct the API shall result in vendor specific interpretation and interoperability issues.

<b>Clauses affected:</b>	⌘ 6.2
<b>Other specs affected:</b>	⌘ <input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications
<b>Other comments:</b>	⌘ Rel-5 equivalent of 762 Rel-4 CR 29.198-04 (Mirror CR).  Split of approved Rel-5 CR N5-020763 into CR for subpart 2 (the present CR) & CR for subpart 3 (N5-020766)

## 6.2 Interface Class IpAppCallControlManager

Inherits from: IpInterface

The generic call control manager application interface provides the application call control management functions to the generic call control service.

<<Interface>> IpAppCallControlManager
callAborted (callReference : in TpSessionID) : void callEventNotify (callReference : in TpCallIdentifier, eventInfo : in TpCallEventInfo, assignmentID : in TpAssignmentID) : IpAppCallRef callNotificationInterrupted () : void callNotificationContinued () : void callOverloadEncountered (assignmentID : in TpAssignmentID) : void callOverloadCeased (assignmentID : in TpAssignmentID) : void

### 6.2.2 Method callAborted()

This method indicates to the application that the call object (at the gateway) has aborted or terminated abnormally. No further communication will be possible between the call and application.

#### *Parameters*

**callReference : in TpSessionID**

Specifies the sessionID of call that has aborted or terminated abnormally.

### 6.2.3 Method callEventNotify()

This method notifies the application of the arrival of a call-related event.

If this method is invoked with a monitor mode of P\_CALL\_MONITOR\_MODE\_INTERRUPT, then the APL has control of the call. If the APL does nothing with the call (including its associated legs) within a specified time period (the duration of which forms a part of the service level agreement), then the call in the network shall be released and callEnded() shall be invoked, giving a release cause of 102 (Recovery on timer expiry).

When this method is invoked with a monitor mode of P\_CALL\_MONITOR\_MODE\_INTERRUPT, the application writer should ensure that no routeReq() is performed until an IpAppCall has been passed to the gateway, either through an explicit setCallback() invocation on the supplied IpCall, or via the return of the callEventNotify() method.

Returns appCall: Specifies a reference to the application interface which implements the callback interface for the new call. This parameter will be null if the notification is in NOTIFY mode. If the application has previously explicitly passed a reference to the IpAppCall interface using a setCallback() invocation, this parameter may be null, or if supplied must be the same as that provided during the setCallback().

This parameter will be null if the notification is in NOTIFY mode.

*Parameters***callReference : in TpCallIdentifier**

Specifies the reference to the call interface to which the notification relates. ~~This parameter will be null if the notification is in NOTIFY mode, this parameter shall be ignored by the application client implementation, and consequently the implementation of the SCS entity invoking callEventNotify may populate this parameter as it chooses.~~

**eventInfo : in TpCallEventInfo**

Specifies data associated with this event.

**assignmentID : in TpAssignmentID**

Specifies the assignment id which was returned by the enableCallNotification() method. The application can use assignment id to associate events with event specific criteria and to act accordingly.

*Returns***IpAppCallRef**