

Source: SA WG5 (Telecom Management)

Title: CRs to Telecommunications Management; Fault Management;
Part 2: Alarm Integration Reference Point: Information Service
(32.111-2)

Document for: Approval

Agenda Item: 7.5.3

Doc-1st-Level	Doc-2nd-Level	Spec	CR	Rev	Phase	Cat	Subject	Versi on-Curre nt	Versi on-New
SP-000438	S5-000404	32.111-2	001		R99		Correction of qualifier for SystemDN	3.1.1	3.2.0
SP-000438	S5-000409	32.111-2	002		R99		Addition of a missing constraint in acknowledgeAlarm operation	3.1.1	3.2.0

CHANGE REQUEST				<i>Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.</i>	
32.111-2		CR 001		Current Version: V.3.1.1	
<i>GSM (AA.BB) or 3G (AA.BBB) specification number ↑</i>		<i>↑ CR number as allocated by MCC support team</i>			
For submission to: SA#9		for approval	<input checked="" type="checkbox"/>	strategic	<input type="checkbox"/>
<i>list expected approval meeting # here ↑</i>		for information	<input type="checkbox"/>	non-strategic	<input type="checkbox"/>
				<i>(for SMG use only)</i>	

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: **SA5#14 (Fault Management)** **Date:** 25 July 2000

Subject: Correction of qualifier for SystemDN

Work item: _____

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

Reason for change: In the Notification IRP (32.106-2) the SystemDN is qualified as Conditional. According to the rules for qualifiers of IRPs using the Notification IRP all IRPs shall qualify SystemDN as Conditional. In Alarm IRP the SystemDN is qualified as Optional.

Clauses affected: 5.3.1

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

Other comments: _____

5.3.1 General

Operations that IRPManager uses to manage subscription to receive notifications are specified in Notification IRP (3G TS 32.106-2 [11]). 3G TS 32.106-2 [11] also specifies a generic notification `notify`. 3G TS 32.106-2 [11] defines a number of parameter-attributes that are commonly carried in notifications as well.

The commonly carried parameter-attributes are collectively called `notificationHeader` in the present document. The parameter-attribute names and their qualifiers are listed in table 6.

Table 6: Notification Header

Parameter-Attributes defined in 3G TS 32.106-2 [11]	Qualifier for use in this IS
<code>managedObjectClass</code>	M
<code>managedObjectInstance</code>	M
<code>notificationId</code>	M
<code>eventTime</code>	M
<code>systemDN</code>	<u>QC</u>
<code>eventType</code>	M
<code>extendedEventType</code>	M

The following clauses define specific notifications relevant for Alarm IRP by extending `notify` in 3G TS 32.106-2 [11].

CHANGE REQUEST		Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.
32.111-2 CR 002	Current Version: V.3.1.1	
GSM (AA.BB) or 3G (AA.BBB) specification number ↑	↑ CR number as allocated by MCC support team	
For submission to: SA#9 <i>list expected approval meeting # here ↑</i>	for approval <input checked="" type="checkbox"/> for information <input type="checkbox"/>	strategic <input type="checkbox"/> non-strategic <input type="checkbox"/> <i>(for SMG use only)</i>

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: **SA5#14** (Fault Management) **Date:** 14 Sept 2000

Subject: Addition of a missing constraint in acknowledgeAlarm operation

Work item: _____

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"/>
------------------	--	-----------------	--

(only one category shall be marked with an X)

Reason for change: The alarm list defined in 32.111-2 only contains current alarms, and in particular an alarm is removed from alarm list as soon as it is acknowledged and cleared. In the description of notifyNewAlarm, it is said that "IRPAgent shall remove the Alarm Information whose perceivedSeverity is cleared and its Acknowledgement State is "acknowledged" from Alarm List. ". In the acknowledgeAlarm operation, nothing is said.

The CR proposes to add a corresponding constraint in the description of the acknowledgeAlarm operation

Clauses affected: 5.2.1

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

Other comments: _____

5.2.1 Operation acknowledgeAlarms (M)

IRPManager invokes this operation to acknowledge one or more alarms. IRPManager does not supply time of acknowledgement. If operation is successful, IRPAgent registers the time of operation in `ackTime` in Alarm Information in Alarm List. IRPAgent registers `ackUserId` and `ackSystemId` in Alarm Information. It sets `ackState` to “acknowledged” as well.

The `ackTime`, `ackUserId`, `ackSystemId` and `ackState` are collectively called Acknowledgement Information in the present document.

IRPAgent shall send notifications about Acknowledgement Information to all IRPManagers in subscriptions.

IRPAgent shall remove the Alarm Information whose `perceivedSeverity` is cleared and its Acknowledgement State is “acknowledged” from Alarm List.