
Source: SA5 (Telecom Management)
Title: Rel-4 CR32.111-2 (S5-010674, S5-010675)
Document for: Decision
Agenda Item: 7.5.3

Doc-1st-	Spec	CR	Phas	Subject	C	Versi	Versi	Doc-2nd-	Workitem
SP-010639	32.111-2	010	Rel-4	Correction of notifyChangedAlarm example #2	F	4.1.0	4.2.0	S5-010674	OAM-FM
SP-010639	32.111-2	011	Rel-4	Update of notificationId missing in To-state of notifyClearedAlarm	F	4.1.0	4.2.0	S5-010675	OAM-FM

CR-Form-v4

CHANGE REQUEST

⌘ **32.111-2** **CR 010** ⌘ ev **-** ⌘ Current version: **4.1.0** ⌘

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

Title:	⌘ Correction of notifyChangedAlarm example #2		
Source:	⌘ SA5		
Work item code:	⌘ OAM-FM	Date:	⌘ 19/102001
Category:	⌘ F	Release:	⌘ REL-4
	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)

Reason for change:	⌘ Inconsistency between the given example and the alarm state diagram (5.3.1.3).
Summary of change:	⌘ Corrected the given example by adding a note on acknowledgement.
Consequences if not approved:	⌘ Continued inconsistency between the given example and state (5.3.1.3), leading possibly to non-interoperable implementations.

Clauses affected:	⌘ Annex C	
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications	⌘ None
Other comments:	⌘ None	

Annex C (informative): Examples of using notifyChangedAlarm

This annex describes a number of valid and invalid interactions governing the case when IRP Agent is reporting a specific fault of a particular network resource whose alarm severity level changes from, e.g. "Critical" to "Minor" and then to "Cleared".

In the following examples:

```

ni    is notificationId,
moc   is managedObjectClass,
moi   is managedObjectInstance,
et    is eventType,
pc    is probableCause,
sp    is specificProblem,
ps    is perceivedSeverity and
ai    is alarmId.

```

EXAMPLE 1: Valid sequence 1 to support the hypothetical case:

(1) NotifyNewAlarm

```
(ni=1, ai=X, moc=A, moi=B, et=C, pc=D, sp=E, ps=Critical)
```

(2) NotifyChangedAlarm

```
(ni=2, ai=X, moc=A, moi=B, et=C, pc=D, sp=E, ps=Minor)
```

(3) NotifyClearedAlarm

```
(ni=3, ai=X, moc=A, moi=B, et=C, pc=D, sp=E, ps=Cleared)
```

EXAMPLE 2: Valid sequence 2 to support the hypothetical case (assuming that the alarm with "ai=X" is acknowledged after either (1) or (2), but before (3)):

(1) NotifyNewAlarm

```
(ni=1, ai=X, moc=A, moi=B, et=C, pc=D, sp=E, ps=Critical)
```

(2) NotifyClearedAlarm

```
(ni=2, ai=X, moc=A, moi=B, et=C, pc=D, sp=E, ps=Cleared)
```

(3) NotifyNewAlarm

```
(ni=3, ai=Y, moc=A, moi=B, et=C, pc=D, sp=E, ps=Minor)
```

(4) NotifyClearedAlarm

```
(ni=4, ai=Y, moc=A, moi=B, et=C, pc=D, sp=E, ps=Cleared)
```

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CHANGE REQUEST

⌘ **32.111-2** **CR 011** ⌘ ev **-** ⌘ Current version: **4.1.0** ⌘

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

Title:	⌘ Update of notificationId missing in To-state of notifyClearedAlarm		
Source:	⌘ SA5		
Work item code:	⌘ OAM-FM	Date:	⌘ 19/10/2001
Category:	⌘ F	Release:	⌘ REL-4
	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)

Reason for change:	⌘ Update of notificationId missing in To-state of notifyClearedAlarm.
Summary of change:	⌘ Adding of notificationId to table To-state of notifyClearedAlarm.
Consequences if not approved:	⌘ Reference to related notification notifyClearedAlarm would be missing in Alarm List as well as providing inconsistent behaviour compared to other alarm notifications.

Clauses affected:	⌘ 6.7.3.3.1
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications
Other comments:	⌘ None

6.7.3.3.42 To-state

AlarmInformationCleared_1.

Assertion Name	Definition
AlarmInformationCleared_1	The following attributes of the subject AlarmInformation are updated. <u>notificationId</u> , perceivedSeverity (updated to Cleared) , alarmClearedTime.