3GPP TSG SA WG5 Meeting 142-e S5-222537

**Online, , 4th April 2022 - 12th April 2022**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **28.622** | **CR** | **draftCR** | **rev** | **-** | **Current version:** | **16.11.0** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network | **X** | Core Network | **X** |

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| ***Title:*** | Alarm Handling Clarifications | | | | | | | | | |
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| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eNrm | | | | |  | ***Date:*** | | | <Res\_date> |
|  |  | | | |  | |  | | |  |
| ***Category:*** | F |  | | | | | ***Release:*** | | | Rel-16 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change 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](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
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| ***Reason for change:*** | | It is not clear whether the provider shall create the AlarmList MOI with administrativeState LOCKED or UNLOCKED. The meaning of defaultValue is only specified in TS 32.156 AnnexB in case the MOI is created by the manager/consumer. The case where the system/provider creates the MOI is not specified. Many existing implementations unlock alarmhandling immediately, so it should be allowed for the system to create the AlarmRecord MOI with administrativeState=UNLOCKED  It is not clear what administrativeState=LOCKED means. It is stated that records are not added or updated. It is not stated whether alarmrecords can be deleted. It is not stated whether AlarmNotifications are sent or not. AlarmNotifications could be sent upon:   * Raising or updating an alarm. The alarm may not be added/updated in the AlarmList, the AlarmNotification may still be sent out without updating the AlarmList * When an AlarmRecord is deleted, this may be sent out as a notification.   As there are different implementations, it is best to not prescribe whether the AlarmList is updated in the LOCKED state. In some test situations there might be a reason to stop the provider sending alarm notifications, however, updating the alarmlist without sending notifications should not be a problem. | | | | | | | | |
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| ***Summary of change:*** | | Indicate that the system MAY create the AlarmList either in a LOCKED or UNLOCKED state.  Indicate that if the administrativeState=LOCKED no Alarm notifications are sent.  Remove the statement about not updating the Alarmlist while administrativeState=LOCKED | | | | | | | | |
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| ***Consequences if not approved:*** | | Unclear definitions, too restictive use of the AlarmList. | | | | | | | | |
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| ***Clauses affected:*** | | 4.3.26.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
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| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

***First change***

#### 4.3.26.1 Definition

The AlarmList represents the capability to store and manage alarm records. It can be name-contained by SubNetwork and ManagedElement. The management scope of an AlarmList is defined by all descendant objects of the base managed object, which is the object name-containing the AlarmList, and the base object itself.

AlarmList instances are created by the system or are pre-installed. They cannot be created nor deleted by MnS consumers. Upon creation the “administrativeState” value of the “AlarmList” instance can be set to “LOCKED” or “UNLOCKED”. “AlarmList” instances cannot be created nor deleted by MnS consumers.

An instance of SubNetwork or ManagedElement has at most one name-contained instance of AlarmList.

Alarm notifications are sent out according to the changes of the AlarmList MOI.

Alarm notifications are not sent out if the administrativeState is LOCKED.

***End of changes***