**3GPP TSG- Meeting # *rev1***

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
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|  |  | **CR** |  | **rev** |  | **Current version:** |  |  |
|  |
| *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:***  |  |
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| ***Source to WG:*** |  |
| ***Source to TSG:*** | SA5 |
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| ***Work item code:*** |  |  | ***Date:*** |  |
|  |  |  |  |  |
| ***Category:*** |  |  | ***Release:*** |  |
|  | *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 canbe 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 clearly described if object creation and deletion notifications should be sent when "NrfSubscriptionControl" objects are created and deleted. |
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| ***Summary of change:*** | It is clarifed that object creation and deletion notifications shall be sent when "NrfSubscriptionControl" objects are created and deleted. |
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| ***Consequences if not approved:*** | Ambiguity may lead to interoperability issues. |
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| ***Clauses affected:*** | 4.3.22.1, 4.3.22.4 |
|  |  |
|  | **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 ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

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| **First modification** |

### 4.3.22 NtfSubscriptionControl

#### 4.3.22.1 Definition

NtfSubscriptionControl represents a notification subscription of a notification recipient. It can be name-contained by SubNetwork or ManagedElement.

The scope attribute is used to select managed object instances included in the subscription. The base object instance of the scope (see clause 4.3.23) is the object instance name-containing the NtfSubscriptionControl instance. When the scope attribute is absent, all objects below and including the base object are scoped. The notifications related to the selected managed object instances are candidates to be sent to the address specified by the notificationRecipientAddress attribute.

The notificationType attribute and notificationFilter attribute allow MnS consumers to control which candidate notifications are sent to the notificationRecipientAddress.

If the notificationType attribute is present, its value identifies the notification types that are candidates to be sent to the notificationRecipientAddress. If the notificationType attribute is absent, notifications of all types are candidates to be sent to notificationRecipientAddress.

If supported, the notificationFilter attribute defines a filter that is applied to the set of candidate notifications. The filter is applicable to all parameters of a notification. Only candidate notifications that pass the filter criteria are sent to the notificationRecipientAddress. If the notificationFilter attribute is absent, all candidate notificatios are sent to the notificationRecipientAddress.

To receive notifications, a MnS consumer has to create a NtfSubscriptionControl instance on the MnS producer. A MnS consumer can create a subscription for another MnS consumer since it is not required the notificationRecipientAddress be his own address.

When a MnS consumer does not wish to receive notifications any more the MnS consumer shall delete the corresponding NtfSubscriptionControl instance.

When a subscription is created and the notification scope inludes the created subscription object and the subscribed notification types include notifications reporting object creation (notifyMOICreation or notifyMOIChanges), the first notification sent related to the new subscription shall report the creation of the NtfSubscriptionControl instance. Likewise, when a subscription is deleted and the notification scope inludes the deleted subscription object and the subscribed notification types include notifications reporting object deletion (notifyMOIDeletion or notifyMOIChanges), the last notification sent related to the subscription shall report the deletion of the NtfSubscriptionControl instance.

Creation and deletion of NtfSubscriptionControl instances by MnS consumers is optional; when not supported, the NtfSubscriptionControl instances may be created and deleted by the system or be pre-installed.

#### 4.3.22.2 Attributes

The NtfSubscriptionControl IOC includes attributes inherited from Top IOC (defined in clause 4.3.29) and the following attributes:

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| --- | --- | --- | --- | --- | --- |
| Attribute Name | S | isReadable | isWritable | isInvariant | isNotifyable |
| notificationRecipientAddress | M | T | T | F | T |
| notificationTypes | O | T | T | F | T |
| scope | O | T | T | F | T |
| notificationFilter | O | T | T | F | T |

#### 4.3.22.3 Attribute constraints

None.

#### 4.3.22.4 Notifications

The common notifications defined in clause 4.5 are valid for this IOC, without exceptions or additions.

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| **End of modifications** |