**3GPP TSG-SA5 Meeting #162 *S5-253963***

**Stor-Göteborg, Sweden, 25th Aug 2025 - 29th Aug 2025**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **28.532** | **CR** |  | **rev** | **1** | **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:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI19 | | | | |  | ***Date:*** | | | 2025-07-30 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **C** |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | As the group discussed and agreed before, all notifications (including file data reporting related notifications) are subscribed by using the NtfSubscriptionControl IOC defined in TS 28.622. Following this agreement, the FM subscribe-unsubscribe operations in TS 28.532 were removed in Rel18 (see CR 0268), but the subscribe-unsubscribe operations in File data reporting service are still in the latest R19 TS 28.532 (V19.1.0). The 3GPP Management System shall have a single mechanism to subscribe file notifications.So it proposes to depercate the subscribe-unsubscribe operations in File data reporting service in TS 28.532 to avoid the implementation confusion. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Remove the the subscribe-unsubscribe operations in File data reporting service. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The subscription mechanism for file data reporting related notifications are not aligned with other notifications. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 11.6.1.3.1, 11.6.1.4.1, 12.6.1.1.3, 12.6.1.1.4 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

***First change***

#### 11.6.1.3 Operation subscribe

##### 11.6.1.3.1 Definition

This operation allows a MnS consumer to subscribe to the notifications of the file data reporting service producer.

The operation is deprecated, its support and usage are not recommended. Use createMOI operation specified in clause 11.1.1.1 together with NtfSubscriptionControl IOC specified in TS 28.622 [11] clause 4.3.22 instead.

##### 11.6.1.3.2 Input parameters

| Parameter Name | S | Information Type | Comment |
| --- | --- | --- | --- |
| consumerReference | M | Reference (address) of the MnS consumer to which the notifications shall be sent. |  |
| timeTick | O | Initial value of a timer held by the MnS producer. This value defines the time window within which the MnS consumer intends to invoke the "subscribe" operation again to confirm its subscription. The value "0" shall indicate infinity. In this case the subscription is not terminated by the MnS producer.  Unit is minutes |  |
| filter | O | Filter constraint that the MnS producer shall use to filter notifications. The filter can be applied to all parameters of a notification  The filter constraint grammar is solution set dependent |  |

##### 11.6.1.3.3 Output parameters

| **Parameter Name** | **S** | **Matching Information** | **Comment** |
| --- | --- | --- | --- |
| subscriptionId | M | Unambiguous identity of this subscription. |  |
| status | M | ENUM (OperationSucceeded, OperationFailedExistingSubscription, OperationFailed) | If subscription is successfully created, status = OperationSuceeded.  If subscription is not created because it is duplicated or conflict with existing subscription(s), status = OperationFailedExistingSubscription  If the operation is failed for any other reason than being duplicated or conflict with existing subscription(s), status = OperationFailed. |

##### 11.6.1.3.4 Exceptions

|  |  |
| --- | --- |
| **Name** | **Definition** |
| operation\_failed\_existing\_subscription | **Condition:** The subscription is duplicated or conflict with existing subscription(s)  **Returned Information:** The output parameter status |
| operation\_failed | **Condition:** The operation failed for any other reason than being duplicated or conflict with subscription(s)  **Returned Information:** The output parameter status |

#### 11.6.1.4 Operation unsubscribe

##### 11.6.1.4.1 Definition

This operation allows a MnS consumer to cancel subscription(s) at a MnS producer.

A MnS consumer can cancel one subscription made with a "consumerReference" by providing the corresponding "subscriptionId" or all subscriptions made with the same "consumerReference" by leaving the "subscriptionId" parameter absent.

The operation is deprecated, its support and usage are not recommended. Use deleteMOI operation specified in clause 11.1.1.4 together with NtfSubscriptionControl IOC specified in TS 28.622 [11] clause 4.3.22 instead.

##### 11.6.1.4.2 Input parameters

| **Parameter Name** | **S** | **Information Type** | **Comment** |
| --- | --- | --- | --- |
| consumerReference | M | Reference of the MnS consumer whose subscriptions are to be cancelled. | The format of the reference may have dependency on the solution set. |
| subscriptionId | O | Subscription id returned in the subscribe operation response | If this parameter is absent, all subscriptions made with the same "consumerReference" shall be cancelled. |

##### 11.6.1.4.3 Output parameters

| **Parameter Name** | **S** | **Matching Information** | **Comment** |
| --- | --- | --- | --- |
| status | M | ENUM (OperationSucceeded, OperationFailed) | If subscription(s) as identified in the input parameter are cancelled, status = OperationSucceeded.  If the operation is failed, status = OperationFailed. |

##### 11.6.1.4.4 Exceptions

|  |  |
| --- | --- |
| **Name** | **Definition** |
| operation\_failed | **Condition:** the operation is failed  **Returned Information:** The output parameter status |

***Next change***

##### 12.6.1.1.3 Operation subscribe

The operation is deprecated, its support and usage are not recommended.

##### 12.6.1.1.4 Operation unsubscribe

The operation is deprecated, its support and usage are not recommended.

***End of changes***