**3GPP TSG-SA5 Meeting #137-e *S5-213203***

**Online, , 10th May 2021 - 19th May 2021**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **28.622** | **CR** | **0103** | **rev** | **-** | **Current version:** | **16.7.1** |  |
|  | | | | | | | | |
| *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:*** | Rel-16 CR 28.622 Clarify a subscription is required for notifyFileReady | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia, Nokia Shanghai Bell | | | | | | | | | |
| ***Source to TSG:*** | SA5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NETSLICE | | | | |  | ***Date:*** | | | 2021-04-29 |
|  |  | | | |  | |  | | |  |
| ***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)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | From the current definition of "reportingCtrl" one might get the impression that no subscription is required for notifyFileReady, which is not the case though. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Clarify a subscription is required for notifyFileReady. | | | | | | | | |
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| ***Consequences if not approved:*** | | Unambiguity regarding if a subscription is required for notifyFileReady or not. | | | | | | | | |
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| ***Clauses affected:*** | | 4.1, 4.3.33.1, 4.3.33.3, 4.3.34.3 (new), 4.3.34.4 (new) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 Model

## 4.1 Imported information entities and local labels

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| --- | --- |
| Label reference | Local label |
| 3GPP TS 28.532 [27], notification, notifyMOICreation | notifyMOICreation |
| 3GPP TS 28.532 [27], notification, notifyMOIDeletion | notifyMOIDeletion |
| 3GPP TS 28.532 [27], notification, notifyMOIAttributeValueChanges | notifyMOIAttributeValueChanges |
| 3GPP TS 28.532 [27], notification, notifyMOIChanges | notifyMOIChanges |
| 3GPP TS 28.532 [27], notification, notifyNewAlarm | notifyNewAlarm |
| 3GPP TS 28.532 [27], notification, notifyClearedAlarm | notifyClearedAlarm |
| 3GPP TS 28.532 [27], notification, notifyChangedAlarm | notifyChangedAlarm |
| 3GPP TS 28.532 [27], notification, notifyChangedAlarmGeneral | notifyChangedAlarmGeneral |
| 3GPP TS 28.532 [27], notification, notifyCorrelatedNotificationChanged | notifyCorrelatedNotificationChanged |
| 3GPP TS 28.532 [27], notification, notifyAckStateChanged | notifyAckStateChanged |
| 3GPP TS 28.532 [27], notification, notifyComments | notifyComments |
| 3GPP TS 28.532 [27], notification, notifyPotentialFaultyAlarmlist | notifyPotentialFaultyAlarmList |
| 3GPP TS 28.532 [27], notification, notifyAlarmlistRebuilt | notifyAlarmListRebuilt |
| 3GPP TS 28.532 [27], notification, notifyFileReady | notifyFileReady |
| 3GPP TS 28.532 [27], notification, notifyFilePreparationError | notifyFilePreparationError |
| 3GPP TS 28.532 [27], SupportIOC, AlarmInformation | AlarmRecord |
| 3GPP TS 28.620 [9], IOC, *Domain\_* | *Domain\_* |
| 3GPP TS 28.620 [9], IOC, *ManagedElement\_* | *ManagedElement\_* |
| 3GPP TS 28.620 [9], IOC, *Function\_* | *Function\_* |
| 3GPP TS 28.620 [9], IOC, *ManagementSystem\_* | *ManagementSystem\_* |
| 3GPP TS 28.620 [9], IOC, *TopologicalLink\_* | *TopologicalLink\_* |
| 3GPP TS 28.620 [9], IOC, *Top\_* | *Top\_* |

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| **Next modification** |

### 4.3.33 ReportingCtrl <<choice>>

#### 4.3.33.1 Definition

This <<choice>> defines the method for reporting collected performance metrics to MnS consumers as well as the parameters for configuring the reporting function. It is a choice between the control parameter required for the reporting methods, whose presence selects the reporting method as follows:

When only the fileReportingPeriod attribute is present, the MnS producer shall store files on the MnS producer at a location selected by the MnS producer and, on condition that an appropriate subscription is in place, inform the MnS consumer about the availability of new files and the file location using the notifyFileReady notification. In case the preparation of a file fails, "notifyFilePreparationError" shall be sent instead.

When only the fileReportingPeriod and fileLocation attributes are present, the MnS producer shall store the files on a MnS consumer, that can be any entity such as a file server, at the loaction specified by fileLocation. No notification is emitted by the MnS producer.

When only the streamTarget attribute is present, the MnS producer shall stream the data to the location specified by streamTarget.

For the file-based reporting methods the fileReportingPeriod attribute specifies the time window during which collected measurements are stored into the same file before the file is closed and a new file is opened.

#### 4.3.33.2 Attributes

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | S | isReadable | isWritable | isInvariant | isNotifyable |
| CHOICE\_1.1 fileReportingPeriod | CM | T | T | F | T |
| CHOICE\_2.1 fileReportingPeriod | CM | T | T | F | T |
| CHOICE\_2.2 fileLocation | CM | T | T | F | T |
| CHOICE\_3.1 streamTarget | CM | T | T | F | T |

#### 4.3.33.3 Attribute constraints

|  |  |
| --- | --- |
| Name | Definition |
| CHOICE\_1.1 fileReportingPeriod | This attribute shall be supported, when the MnS producer supports file based reporting and storing files on the MnS producer. |
| CHOICE\_2.1 fileReportingPeriod  CHOICE\_2.2 fileLocation | These attributes shall be supported, when the MnS producer supports file based reporting and storing files on a MnS consumer. |
| CHOICE\_3.1 streamTarget | This attribute shall be supported, when the MnS producer supports stream-based reporting. |

#### 4.3.33.4 Notifications

The subclause 4.5 of the <<IOC>> using this <<dataType>> as one of its attributes, shall be applicable.

### 4.3.34 ThresholdInfo <<dataType>>

#### 4.3.34.1 Definition

This data type defines a single threshold level.

#### 4.3.34.2 Attributes

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | S | isReadable | isWritable | isInvariant | isNotifyable |
| performanceMetrics | M | T | T | F | T |
| thresholdDirection | M | T | T | F | T |
| thresholdValue | M | T | T | F | T |
| hysteresis | O | T | T | F | T |

#### 4.3.34.3 Attribute constraints

None

#### 4.3.34.4 Notifications

The subclause 4.5 of the <<IOC>> using this <<dataType>> as one of its attributes, shall be applicable.

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| **End of modifications** |