**3GPP TSG- Meeting #**

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| *CR-Form-v12.2* | | | | | | | | |
| **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 |  | Core Network | **X** |

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| ***Title:*** |  | | | | | | | | | |
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| ***Source to WG:*** |  | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
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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 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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | 23.502 clause 4.15.1 and 23.288 clause 6.2.7 have been updated to define extended data management mechanisms. | | | | | | | | |
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| ***Summary of change:*** | | Added EN to capture the data management mechanisms if confirmed to be required. | | | | | | | | |
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| ***Consequences if not approved:*** | | Not aligned with stage 2. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.3.4 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 does not impact any OpenAPI file. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

\* \* \* \* First change \* \* \* \*

5.3.4 Used Features

The table below defines the features applicable to the MonitoringEvent API. Those features are negotiated as described in clause 5.2.7.

**Table 5.3.4-1: Features used by MonitoringEvent API**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Feature Number** | | **Feature** | | **Description** | |
| 1 | | Loss\_of\_connectivity\_notification | | The SCS/AS is notified when the 3GPP network detects that the UE is no longer reachable for signalling or user plane communication | |
| 2 | | Ue-reachability\_notification | | The SCS/AS is notified when the UE becomes reachable for sending either SMS or downlink data to the UE | |
| 3 | | Location\_notification | | The SCS/AS is notified of the current location or the last known location of the UE | |
| 4 | | Change\_of\_IMSI\_IMEI\_association\_notification | | The SCS/AS is notified when the association of an ME (IMEI(SV)) that uses a specific subscription (IMSI) is changed | |
| 5 | | Roaming\_status\_notification | | The SCS/AS is notified when the UE's roaming status changes | |
| 6 | | Communication\_failure\_notification | | The SCS/AS is notified of communication failure events | |
| 7 | | Availability\_after\_DDN\_failure\_notification | | The SCS/AS is notified when the UE has become available after a DDN failure | |
| 8 | | Number\_of\_UEs\_in\_an\_area\_notification | | The SCS/AS is notified the number of UEs present in a given geographic area  The feature supports pre-5G (e.g. 4G) requirement. | |
| 9 | | Notification\_websocket | | The delivery of notifications over Websocket is supported according to clause 5.2.5.4. This feature requires that the Notification\_test\_event featute is also supported. | |
| 10 | | Notification\_test\_event | | The testing of notification connection is supported according to clause 5.2.5.3. | |
| 11 | | Subscription\_modification | | Modifications of an individual subscription resource. | |
| 12 | | Number\_of\_UEs\_in\_an\_area\_notification\_5G | | The AF is notified the number of UEs present in a given geographic area.  The feature supports the 5G requirement. This feature may only be supported in 5G. | |
| 13 | | Pdn\_connectivity\_status | | The SCS/AS requests to be notified when the 3GPP network detects that the UE’s PDN connection is set up or torn down. | |
| 14 | | Downlink\_data\_delivery\_status\_5G | | The AF requests to be notified when the 3GPP network detects that the downlink data delivery status is changed. The feature is not applicable to pre-5G. | |
| 15 | | Availability\_after\_DDN\_failure\_notification\_enhancement | | The AF is notified when the UE has become available after a DDN failure and the traffic matches the packet filter provided by the AF. The feature is not applicable to pre-5G. | |
| 16 | | Enhanced\_param\_config | | This feature supports the co-existence of multiple event configurations for target UE(s) if there are parameters affecting periodic RAU/TAU timer and/or Active Time. Supporting this feature also requires the support of feature number 1 or 2. | |
| 17 | | API\_support\_capability\_notification | | The SCS/AS is notified of the availability of support of service APIs. This feature is only applicable in interworking SCEF+NEF scenario. | |
| 18 | | eLCS | | This feature supports the enhanced location exposure service (e.g. location information preciser than cell level).  The feature is not applicable to pre-5G (e.g. 4G). | |
| 19 | | NSAC | | This feature controls the support of the Network Slice Admission Control (NSAC) functionalities.  The feature is not applicable to pre-5G (e.g. 4G). | |
| 20 | | Partial\_group\_modification | | This feature supports the partial cancellation and/or partial addition to the group member(s) within the grouped event monitoring subscription. | |
| 21 | | UAV | | The SCS/AS requests to be notified of the UAV presence status in a specific geographic area. This feature is only applicable in interworking SCEF+NEF scenario, or standalone 5G scenario.  This feature requires that Number\_of\_UEs\_in\_an\_area\_notification and Number\_of\_UEs\_in\_an\_area\_notification\_5G features are also supported. | |
| 22 | | MULTIQOS | | This feature indicates the support for "Multiple QoS Class" which enables to support more than one Location QoS during LCS procedures.  This feature requires that the eLCS feature is also supported. | |
| 23 | | Session\_Management\_Enhancement | | This feature supports Session Management enhancement with requested DNN and/or S-NSSAI. This feature requires that the Pdn\_connectivity\_status feature or Downlink\_data\_delivery\_status\_5G feature is also supported. | |
| 24 | | enNB | | Indicates the support of enhancements to the northbound interfaces. | |
| 25 | | EDGEAPP | | This feature controls the support of EDGE applications related functionalities (e.g. support the civic address as a possible location granularity).  The feature is not applicable to pre-5G (e.g. 4G). | |
| 26 | | UEId\_retrieval | | This feature supports AF specific UE ID retrieval which is not applicable to pre-5G (e.g. 4G). | |
| 27 | | UserConsentRevocation | | This feature indicates the support of user consent revocation management and enforcement (e.g. stop data processing) for EDGE applications. | |
| 28 | | Subscription\_Patch | | This feature indicates the support of the PATCH method for partial modification of an existing event monitoring subscription. | |
| 29 | | GMEC | | This feature indicates the support of Generic Group Management, Exposure and Communication Enhancements (e.g. Ggroup Member List Change event reporting).  This feature is not applicable to pre-5G (e.g. 4G). | |
| 30 | | Loss\_of\_connectivity\_notification\_5G | | The AF is notified when the 3GPP network detects that the UE is no longer reachable for signalling or user plane communication. | |
| 31 | | enNB1 | | Indicates the support of enhancements to this northbound API in Rel-18. | |
| Feature: A short name that can be used to refer to the bit and to the feature, e.g. "Notification".  Description: A clear textual description of the feature. | | | | | |

Editor's Note: It is FFS if enhanced data management feature(s) are required for this API.

\* \* \* \* End of changes \* \* \* \*