**3GPP TSG-RAN2 Meeting # 116-e R2-21xx**

**Online, 1-12 November 2021**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **36.306** | **CR** | **Draft** | **rev** | **-** | **Current version:** | **16.6.0** |  |
|  | | | | | | | | |
| *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 | **X** | Radio Access Network | **X** | Core Network |  |

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| ***Title:*** | Introduction of event-based trigger for LTE MDT logging | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei, HiSilicon, Qualcomm Inc. | | | | | | | | | |
| ***Source to TSG:*** | R2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI17 | | | | |  | ***Date:*** | | | 2021-10-xx |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-17 |
|  | *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:*** | | For event triggered logged MDT, new UE capability bits are needed. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Introduction of new UE capability bits for event triggered logged MDT (separate capabilties for event L1 and event OutOfCoverage). | | | | | | | | |
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| ***Consequences if not approved:*** | | Event triggered logged MDT is not supported in this specification. | | | | | | | | |
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| ***Clauses affected:*** | | 4.3.13.x (new), 4.3.13.y (new) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS 36.331 CR xxx  TS 37.320 CR xxx | | |
| ***affected:*** | |  | **X** | Test specifications | | | |  | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | |  | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

### 4.3.13 UE-based network performance measurement parameters

#### <<unchanged text omitted>>

#### 4.3.13.x *loggedMeasIdleEventL1-r17*

This parameter defines whether the UE supports event triggered logged measurements for *eventL1* in RRC\_IDLE upon request from the network. A UE indicating support of *loggedMeasIdleEventL1-r17* shall also indicate support of *loggedMeasurementsIdle*.

#### 4.3.13.y *loggedMeasIdleEventOutOfCoverage-r17*

This parameter defines whether the UE supports event triggered logged measurements for event *outOfCoverage* in RRC\_IDLE upon request from the network. A UE indicating support of *loggedMeasIdleEventOutOfCoverage-r17* shall also indicate support of *loggedMeasurementsIdle*.