**3GPP TSG-RAN WG2 Meeting #110-eR2-2005722**

Electronic meeting, 1st - 12th June, 2020

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **36.306** | **CR** |  | **rev** |  | **Current version:** | **16.0.0** |  |
|  | | | | | | | | |
| *For* ***[HE](http://www.3gpp.org/3G_Specs/CRs.htm" \l "_blank)******[LP](http://www.3gpp.org/3G_Specs/CRs.htm" \l "_blank)*** *on using this form: comprehensive instructions can be found at  <http://www.3gpp.org/Change-Requests>.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME | **x** | Radio Access Network |  | Core Network |  |

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|  | | | | | | | | | | |
| ***Title:*** | Running CR to 36.306 for NR\_SON\_MDT | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | vivo, CMCC | | | | | | | | | |
| ***Source to TSG:*** | R2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_SON\_MDT-Core | | | | |  | ***Date:*** | | | 2020-05-22 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | To capture RAN2 agreements on UE capability for NR\_SON\_MDT in NR into TS 36.306. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Introduction of UE capabilities for MDT and SON. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The network does not know which SON/MDT functions capabilities UE supports. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 4.3.13 UE-based network performance measurement parameters | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  |  | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  |  | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  |  | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | | |  | | --- | | This Running CR is based on the version 16.0.0 of 36.306 | | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

START OF CHANGES

### 4.3.13 UE-based network performance measurement parameters

#### 4.3.13.1 *loggedMeasurementsIdle*

This parameter defines whether the UE supports logged measurements in RRC\_IDLE upon request from the network. A UE that supports logged measurements in RRC\_IDLE shall also support a minimum of 64kB memory for log storage.

#### 4.3.13.2 *standaloneGNSS-Location*

This parameter defines whether the UE is equipped with a standalone GNSS receiver that may be used to provide detailed location information in RRC measurement report and logged measurements in RRC\_IDLE.

#### 4.3.13.3 Void

#### 4.3.13.4 *loggedMBSFNMeasurements-r12*

This parameter defines whether the UE supports logged MBSFN measurement in RRC\_IDLE and RRC\_CONNECTED upon request from the network. A UE that supports logged MBSFN measurements shall also support a minimum of 64kB memory for log storage. A UE that supports logged MBSFN measurements shall also support logged measurements in RRC\_IDLE upon request from the network.

#### 4.3.13.5 *locationReport-r14*

This parameter defines whether the UE supports reporting of its geographical location information to eNB.

#### 4.3.13.6 *loggedMeasBT-r15*

This parameter indicates whether the UE supports Bluetooth measurements in RRC\_IDLE mode.

#### 4.3.13.7 *loggedMeasWLAN-r15*

This parameter indicates whether the UE supports WLAN measurements in RRC\_IDLE mode.

#### 4.3.13.8 *immMeasBT-r15*

This parameter indicates whether the UE supports Bluetooth measurements in RRC\_CONNECTED mode.

#### 4.3.13.9 *immMeasWLAN-r15*

This parameter indicates whether the UE supports WLAN measurements in RRC\_CONNECTED mode.

4.3.13.x *ulPDCP-Delay-16*

This parameter indicates whether the UE supports UL PDCP Packet Delay measurements in RRC\_CONNECTED mode. In LTE, the uplink delay is measured as the Excess Packet Delay Ratio.

END OF CHANGES

Annex (not part of the specification): RAN2 Agreements

## RAN2#109b-e meeting:

3 Introduce UE capability on UL delay measurement in LTE TS 36.306 and TS 36.331.