**3GPP TSG-RAN WG2 Meeting #126 *R2-2405841***

**Fukuoka, Japan, 20 – 24 May, 2024**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **37.320** | **CR** | **0132** | **rev** | **1** | **Current version:** | **18.1.0** |  |
|  | | | | | | | | |
| *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:*** | Correction of availability indication of logged MDT report for SNPN | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia | | | | | | | | | |
| ***Source to TSG:*** | R2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_ENDC\_SON\_MDT\_enh2-Core | | | | |  | ***Date:*** | | | 2024-05-20 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-18 |
|  | *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)* | |
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| ***Reason for change:*** | | Missing description of when the UE indicates availability of logged MDT report for SNPN. | | | | | | | | |
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| ***Summary of change:*** | | Added description of when the UE indicates availability of logged MDT report for SNPN.  An editorial error is corrected in clause 5.1.1.3.1. | | | | | | | | |
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| ***Consequences if not approved:*** | | Incomplete specification. | | | | | | | | |
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| ***Clauses affected:*** | | 5.1.1.3.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 Modified Subclause*

#### 5.1.1.3 Measurement reporting

##### 5.1.1.3.1 Availability Indicator

A UE configured to perform Logged MDT downlink pilot strength measurements indicates the availability of Logged MDT measurements, by means of a one bit, in RRCConnectionSetupComplete or RRCSetupComplete or RRCConnectionResumeComplete or RRCResumeComplete message during connection establishment. Furthermore, the indicator (possibly updated) shall be provided within:

- E-UTRAN handover and re-establishment;

- UTRAN procedures involving the change of SRNC (SRNC relocation), CELL UPDATE, URA UPDATE messages as well as MEASUREMENT REPORT message in case of state transition to CELL\_FACH without CELL UPDATE;

- NR re-establishment, reconfiguration.

The UE includes the indication in one of these messages at every transition to RRC Connected mode even though the logging period has not ended, upon connection to RAT which configured the UE to perform Logged MDT measurements and RPLMN which is equal to a PLMN in the MDT PLMN list or currently registered SNPN whose identity is in the stored SNPN identities.

A E-UTRA UE configured to perform Logged MDT MBSFN measurements indicates the availability of Logged MDT MBSFN measurements, by means of an indicator, in RRCConnectionSetupComplete message during connection establishment. The indicator (possibly updated) shall be provided within E-UTRAN also at handover and re-establishment, except when the logged measurement configuration is active in CONNECTED mode, i.e. except when the logging campaign is still ongoing.

A E-UTRA UE configured to perform Logged MDT WLAN measurements indicates the availability of Logged MDT WLAN measurements, by means of an indicator, in RRCConnectionSetupComplete message or RRCConnectionResumeComplete message during connection establishment. Furthermore, the indicator can be included in some uplink RRC messages, i.e., RRCConnectionReconfigurationComplete message, RRCConnectionReestablishmentComplete message, or UEInformationResponse message, at every transition to RRC Connected mode even though the logging period has not ended.

A E-UTRA UE configured to perform Logged MDT Bluetooth measurements indicates the availability of Logged MDT Bluetooth measurements, by means of an indicator, in RRCConnectionSetupComplete message or RRCConnectionResumeComplete message during connection establishment. Furthermore, the indicator can be included in some uplink RRC messages, i.e., RRCConnectionReconfigurationComplete message, RRCConnectionReestablishmentComplete message, or UEInformationResponse message, at every transition to RRC Connected mode even though the logging period has not ended.

A NR UE configured to perform Logged MDT WLAN measurements indicates the availability of Logged MDT WLAN measurements, by means of an indicator, in RRCSetupComplete message or RRCResumeComplete message during connection establishment. Furthermore, the indicator can be included in some uplink RRC messages, i.e., RRCReconfigurationComplete message, RRCReestablishmentComplete message, or UEInformationResponse message, at every transition to RRC Connected mode even though the logging period has not ended.

A NR UE configured to perform Logged MDT Bluetooth measurements indicates the availability of Logged MDT Bluetooth measurements, by means of an indicator, in RRCSetupComplete message or RRCResumeComplete message during connection establishment. Furthermore, the indicator can be included in some uplink RRC messages, i.e., RRCReconfigurationComplete message, RRCReestablishmentComplete message, or UEInformationResponse message, at every transition to RRC Connected mode even though the logging period has not ended.

An indicator shall be also provided in UEInformationResponse message during MDT report retrieval in case the UE has not transferred the total log in one RRC message in order to indicate the remaining data availability.

The UE will not indicate the availability of MDT measurements in another RAT or in a PLMN that is not in the MDT PLMN list or in a SNPN whose identity is not in the stored SNPN identities.

The network may decide to retrieve the logged measurements based on this indication. In case Logged MDT measurements are retrieved before the completion of the pre-defined logging duration, the reported measurement results are deleted, but MDT measurement logging will continue according to ongoing logged measurement configuration.

In case the network does not retrieve Logged MDT measurements, UE should store non-retrieved measurements for 48 hours from the moment the duration timer for logging expired. There is no requirement to store non-retrieved data beyond 48 hours. In addition, all logged measurement configuration and the log shall be removed by the UE at switch off or detach.

*End of Changes*