**3GPP TSG-RAN WG2 Meeting #131R2-250xxxx**

**Bengaluru, India, Aug. 25th – 29th, 2025**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **36.306** | **CR** |  | **rev** | **-** | **Current version:** | **18.5.0** |  |
|  | | | | | | | | |
| *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 |  | Core Network |  |

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|  | | | | | | | | | | |
| ***Title:*** | Introduction of SONMDT UE Capabilities | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | CATT | | | | | | | | | |
| ***Source to TSG:*** | R2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_ENDC\_SON\_MDT\_Ph4-Core | | | | |  | ***Date:*** | | | 2025-08-15 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Introduction of UE capabilities for R19 SON/MDT features | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | A new optional UE capability without siganlling is introduced for UE to log NR SCG related information in *SCGFailureInformationNR* message. | | | | | | | | |
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| ***Consequences if not approved:*** | | UE capabilites for R19 SON/MDT features are not suported in TS 36.306. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.10.5 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS/TR 36.331 CR xxxx | | |
| ***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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| CHANGE START |

## 6.10 SON features

### 6.10.1 Radio Link Failure Report for inter-RAT MRO

It is optional for UE to include *previousUTRA-CellId* and *selectedUTRA-CellId* in *RLF-Report* upon request from the network as specified in TS 36.331 [5].

### 6.10.2 Radio Link Failure Report for NB-IoT

It is optional for UE to support the storage of *RLF-Report* and the reporting in *UEInformationResponse* message as specified in TS 36.331 [5] when connected to EPC. This feature is only applicable if the UE supports any *ue-Category-NB*.

### 6.10.3 Radio Link Failure Report for inter-RAT MRO NR

It is optional for UE to include *previousNR-PCellId*, *failedNR-PCellId* and *nrReconnectCellId* in *RLF-Report* upon request from the network as specified in TS 36.331 [5].

### 6.10.4 LTE RLF report for voice fallback in LTE

It is optional for UE to include *voiceFallbackHO* in *RLF-Report* upon request from the network as specified in TS 36.331 [5], when an RLF occurs shortly after successful HO from NR to E-UTRAN for voice fallback.

### 6.10.5 SCG failure information for EN-DC MRO

It is optional for UE to include *previousPSCellId, failedPSCellId, timeSCG-Failure* and *perRA-InfoListNR* in *SCGFailureInformationNR* message as specified in TS 36.331 [5].

*Editor’s note: the parameters’ names may be updated based on the final RRC CR.*

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| CHANGE END |