**3GPP TSG-RAN WG2 Meeting #117-e *R2-220xxxx***

**Electronic meeting, 21st Feb – 3rd Mar 2022**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.331** | **CR** | **-** | **rev** | **-** | **Current version:** | **16.7.0** |  |
|  | | | | | | | | |
| *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:*** | 38.331 CR for SONMDT UE capabilities | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | CATT | | | | | | | | | |
| ***Source to TSG:*** | R2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_ENDC\_SON\_MDT\_enh-Core | | | | |  | ***Date:*** | | | 2022-03-01 |
|  |  | | | |  | |  | | |  |
| ***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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Introduction of R17 features on SON and MDT. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | R17 UE capabilities for SON and MDT are defined. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | No R17 UE capabilities for SON and MDT are defined. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.3.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS38.306 CR TBD | | |
| ***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 change*

### 6.3.3 UE capability information elements

*[Omitted part]*

– *SON-Parameters*

The IE *SON-Parameters* contains SON related parameters.

***SON-Parameters* information element**

-- ASN1START

-- TAG-SON-PARAMETERS-START

SON-Parameters-r16 ::= SEQUENCE {

rach-Report-r16 ENUMERATED {supported} OPTIONAL,

...,

[[

rlfReportCHO-r17 ENUMERATED {supported} OPTIONAL,

rlfReportDAPS-r17 ENUMERATED {supported} OPTIONAL,

success-HO-Report-r17 ENUMERATED {supported} OPTIONAL,

twoStepRACH-Report-r17 ENUMERATED {supported} OPTIONAL,

pscell-MHI-Report-r17 ENUMERATED {supported} OPTIONAL,

onDemandSI-Report-r17 ENUMERATED {supported} OPTIONAL

]]

}

-- TAG-SON-PARAMETERS-STOP

-- ASN1STOP

*Next change*

– *UE-BasedPerfMeas-Parameters*

The IE *UE-BasedPerfMeas-Parameters* contains UE-based performance measurement parameters.

***UE-BasedPerfMeas-Parameters* information element**

-- ASN1START

-- TAG-UE-BASEDPERFMEAS-PARAMETERS-START

UE-BasedPerfMeas-Parameters-r16 ::= SEQUENCE {

barometerMeasReport-r16 ENUMERATED {supported} OPTIONAL,

immMeasBT-r16 ENUMERATED {supported} OPTIONAL,

immMeasWLAN-r16 ENUMERATED {supported} OPTIONAL,

loggedMeasBT-r16 ENUMERATED {supported} OPTIONAL,

loggedMeasurements-r16 ENUMERATED {supported} OPTIONAL,

loggedMeasWLAN-r16 ENUMERATED {supported} OPTIONAL,

orientationMeasReport-r16 ENUMERATED {supported} OPTIONAL,

speedMeasReport-r16 ENUMERATED {supported} OPTIONAL,

gnss-Location-r16 ENUMERATED {supported} OPTIONAL,

ulPDCP-Delay-r16 ENUMERATED {supported} OPTIONAL,

...,

[[

sigBasedLogMDT-OverrideProtect-r17 ENUMERATED {supported} OPTIONAL,

multipleCEF-Report-r17 ENUMERATED {supported} OPTIONAL,

excessPacketDelay-r17 ENUMERATED {supported} OPTIONAL

]]

}

-- TAG-UE-BASEDPERFMEAS-PARAMETERS-STOP

-- ASN1STOP

*End of change*