**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 canbe 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*