**3GPP TSG RAN WG2#116bis-e R2-2201856**

**e-Meeting, 17th - 25th January, 2022**  *In revision of R2-2200853*

|  |
| --- |
| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **38.306** | **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)*.* |
|  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME | **x** | Radio Access Network |  | Core Network |  |

|  |
| --- |
|  |
| ***Title:***  | UE capabilities for NR QoE |
|  |  |
| ***Source to WG:*** | CMCC, China Unicom |
| ***Source to TSG:*** | R2 |
|  |  |
| ***Work item code:*** | NR\_QoE-Core |  | ***Date:*** | 2022-01-24 |
|  |  |  |  |  |
| ***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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
|  |  |
| ***Reason for change:*** | Running CR to introduce UE capabilities related to NR QMC. |
|  |  |
| ***Summary of change:*** | The following agreements related to UE capabilities for NR QMC are added:At RAN2#116bis-e:* [031] Introduce QoE UE capability parameters for each service type i.e., streaming, MTSI and VR.
* [031] Introduce UE capability parameter(s) for RAN visible QoE.
* [031] Introduce a new sub-section in TS 38.306 to capture QoE related capabilities.
* [031] Agree that no differentiation for FDD/TDD or FR1/FR2 is needed for QoE related capabilities.
 |
|  |  |
| ***Consequences if not approved:*** | The network does not know what NR QMC related capabilities UE supports. |
|  |  |
| ***Clauses affected:*** | 3.3, 4.2.x |
|  |  |
|  | **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:*** |  |

START OF CHANGES

## 3.3 Abbreviations

For the purposes of the present document, the abbreviations given in TR 21.905 [1] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in TR 21.905 [1].

BAP Backhaul Adaptation Protocol

BC Band Combination

BT Bluetooth

DAPS Dual Active Protocol Stack

DL Downlink

EHC Ethernet Header Compression

FS Feature Set

FSPC Feature Set Per Component-carrier

IAB-MT Integrated Access Backhaul Mobile Termination

MAC Medium Access Control

MCG Master Cell Group

MN Master Node

MR-DC Multi-RAT Dual Connectivity

PDCP Packet Data Convergence Protocol

QoE Quality of Experience

RLC Radio Link Control

RTT Round Trip Time

SCG Secondary Cell Group

SDAP Service Data Adaptation Protocol

SN Secondary Node

UL Uplink

WLAN Wireless Local Area Network

NEXT CHANGES

4.2.x QoE measurement parameters

| Definitions for parameters | Per | M | FDD-TDD DIFF | FR1-FR2 DIFF |
| --- | --- | --- | --- | --- |
| ***qoe-Streaming-MeasReport-r17***Indicates whether the UE supports NR QoE Measurement Collection for streaming services. | UE | No | No | No |
| ***qoe-MTSI-MeasReport-r17***Indicates whether the UE supports NR QoE Measurement Collection for MTSI services. | UE | No | No | No |
| ***qoe-VR-MeasReport-r17***Indicates whether the UE supports NR QoE Measurement Collection for VR services. | UE | No | No | No |
| ***ranVisibleQoE-MeasReport-r17 (FFS)***Indicates whether the UE supports RAN visible QoE Measurement Collection. | UE | No | No | No |

END OF CHANGES