**3GPP TSG-RAN3 Meeting #115-e R3-22xxxx**

**Electronic meeting, 21 Feb - 3 Mar 2022**

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| *CR-Form-v11.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.470** | **CR** |  | **rev** |  | **Current version:** | **16.5.0** |  |
|  | | | | | | | | |
| *For* [***HELP***](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 |  | Radio Access Network | **X** | Core Network |  |

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|  | | | | | | | | | | |
| ***Title:*** | Support of QoE functionality | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | China Unicom, Samsung | | | | | | | | | |
| ***Source to TSG:*** | R3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_QoE-Core | | | | |  | | ***Date:*** | | 2022-3-4 |
|  |  | | | |  | | |  | |  |
| ***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-12 (Release 12) Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | QoE procedure descriptions for F1AP. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | For QoE functionality, the following changes are made:  1. New abbreviation of QoE is introduced.  2. New QoE function description is added.  3. New procedure QoE Information Transfer is added. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | There are no QoE general aspects and principle descriptions in F1AP. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 3.3, 5.2.x, 6.1.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:*** | | Rev0,  - Add abbreviation of QoE.  - Add QoE function description.  - Add the QoE procedure description. | | | | | | | | |

*<Start of change>*

## 3.3 Abbreviations

For the purposes of the present document, the abbreviations given in 3GPP 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 3GPP TR 21.905 [1].

BH Backhaul

DRB Data Radio Bearers

F1-U F1 User plane interface

F1-C F1 Control plane interface

F1AP F1 Application Protocol

GTP-U GPRS Tunnelling Protocol

IAB Integrated Access and Backhaul

IP Internet Protocol

NR-MIB NR-Master Information Block

O&M Operation and Maintenance

PA Paging Area

PF Paging Frame

PO Paging Occasion

QoE Quality of Experience

QoS Quality of Service

RIM Remote Interference Management

RLC Radio Link Control

RRC Radio Resource Control

SCTP Stream Control Transmission Protocol

SRB Signalling Radio Bearers

SIB1 System Information Block 1

SIB10 System Information Block 10

SIB12 System Information Block 12

SIB13 System Information Block 13

SIB14 System Information Block 14

SL Sidelink

TNL Transport Network Layer

V2X Vehicle-to-Everything

*<Next change>*

5.2.x QoE function

This function allows to transfer RAN visible QoE information from the gNB-CU to the gNB-DU. With this function, gNB-CU can transfer the RAN visible QoE metrics to gNB-DU which is received from UE.

*<Next change>*

6.1.x QoE procedure

The QoE procedures are listed below:

- QoE Information Transfer procedure;

*<end of change>*