**3GPP TSG-RAN WG3 Meeting #115-e *R3-222941***

**E-meeting, 21 February – 3 March, 2022**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **38.410** | **CR** | **0034** | **rev** | **4** | **Current version:** | **16.4.0** |  |
|  |
| *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 |  | Radio Access Network | **X** | Core Network | **X** |

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| ***Title:***  | BLCR to 38.410: Support of QoE Measurement Collection for NR |
|  |  |
| ***Source to WG:*** | Nokia, Nokia Shanghai Bell, ZTE |
| ***Source to TSG:*** | R3 |
|  |  |
| ***Work item code:*** | NR\_QoE-Core |  | ***Date:*** | 2022-03-04 |
|  |  |  |  |  |
| ***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)* |
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| ***Reason for change:*** | BL CR for introduction of QoE measurement collection in NR. |
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| ***Summary of change:*** | Introduction of QMC function and QMC procedures. |
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| ***Consequences if not approved:*** | New feature not supported. |
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| ***Clauses affected:*** | 3.2, 5.x1 (new), 6.x2 (new) |
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|  | **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:*** | Rev. 1: Include TP agreed at RAN3#114-e: R3-216113 Added abbreviation: QoERev. 2: Submission to RAN3#114bis-eRev. 3: Include TP agreed at RAN3#114bis-e: R3-221269. Submission to RAN3#115-e.Rev. 4: Include TP agreed at RAN3#115-e: R3-222889 |

## 3.2 Abbreviations

For the purposes of the present document, the terms and definitions given in TR 21.905 [1] and the following apply.
A term defined in the present document takes precedence over the definition of the same term, if any, in TR 21.905 [1].

5GC 5G Core Network

AMF Access and Mobility Management Function

CIoT Cellular IoT

NB-IoT Narrow Band Internet of Things

NG-U NG User plane interface

QMC QoE Measurement Collection

QoE Quality of Experience

RIM Remote Interference Management

SMF Session Management Function

UP User Plane

UPF User Plane Function

## 5.x1 QMC function

The QMC function provides means to manage the QMC sessions and support the mobility of QMC sessions over the NG interface.

## 6.x2 QMC procedures

The following procedures are used to control the QMC sessions in the UE and to transfer QMC session information to the target NG-RAN node during a UE’s intra-system intra-RAT mobility:

- Initial Context Setup;

- UE Context Modification;

- Handover Preparation;

- Handover Resource Allocation.