**3GPP TSG- Meeting # *934***

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.420** | **CR** | **-** | **rev** | **-** | **Current version:** | **17.2.0** |  |
|  | | | | | | | | |
| *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 |  |

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| ***Title:*** | (draft CR to 38.420) QMC enhancements for NR-DC | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Qualcomm Technologies Int. | | | | | | | | | |
| ***Source to TSG:*** | R3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_QoE\_enh-Core | | | | |  | ***Date:*** | | | 2023-11-02 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-18 |
|  | *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:*** | | Draft CR to 38.420 for supporting QMC enhancements for NR-DC in Rel-18. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | * Update the QMC support function with description for supporting QoE in dual connectivity * Update the QMC support procedures section with details of procedures which involve QMC coordination in case of dual connectivity | | | | | | | | |
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| ***Consequences if not approved:*** | | No description of QMC enhancements over Xn for NR-DC | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.2.12, 6.2.13 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | |  | | |
| ***affected:*** | |  | **x** | Test specifications | | | |  | | |
| ***(show related CRs)*** | |  | **x** | O&M Specifications | | | |  | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Rev 0: This is draft CR and can be used for BL CR if endorsed | | | | | | | | |

# 5 Functions of the Xn interface

### 5.2.12 QMC support function

The QMC function provides means to support the mobility of QMC sessions and for coordinating QMC configuration and reporting in case of dual connectivity over the Xn interface.

# 6 Xn interface procedures

### 6.2.13 QMC support procedures

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

- Handover Preparation

- Retrieve UE Context

The following procedures are used to coordinate QMC configuration and reporting between the M-NG-RAN node and S-NG-RAN node:

- S-NG-RAN node Addition Preparation

- M-NG-RAN node initiated S-NG-RAN node Modification Preparation

- S-NG-RAN node initiated S-NG-RAN node Modification

- S-NG-RAN node initiated S-NG-RAN node Change