**3GPP TSG-RAN WG3 #108-e R3-20xxxx**

**1-11 June 2020**

**Online**

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| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **38.410** | **CR** | **0024** | **rev** | **2** | **Current version:** | **16.1.0** |  |
|  |
| *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:***  | Baseline CR for introducing Rel-16 NR mobility enhancement |
|  |  |
| ***Source to WG:*** | CATT, CMCC |
| ***Source to TSG:*** | RAN3 |
|  |  |
| ***Work item code:*** | NR\_Mob\_enh-Core |  | ***Date:*** | 2020-06-15 |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***Release:*** | Rel-16 |
|  | *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-12 (Release 12)Rel-13 (Release 13)Rel-14 (Release 14)Rel-15 (Release 15)Rel-16 (Release 16)* |
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| ***Reason for change:*** | In order to enable enhacements to the handover procedure, changes are needed to the NGAP protocol. This is the baseline CR covering all the agreed modification.  |
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| ***Summary of change:*** | Following functions were added and modified:* A new procedure was added to enable indicating handover success;
* Two new procedure were added for COUNT transfer for early data forwarding.

**Impact Analysis:**Impact assessment towards the previous version of the specification (same release):  |
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| ***Consequences if not approved:*** | Rel-16 NR mobility enhancement is not implemented. |
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| ***Clauses affected:*** |  |
|  |  |
|  | **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:*** |  |

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| ***This CR's revision history:*** | Rev 1: Submitted to RAN3#108-eRev 2: Submitted to after RAN3#108-e-Correct the CR No. in cover page. It should be 4 digits (0024)-Add two missed procedures  |

////////////////////////////////////////////////////////////// Start of Change /////////////////////////////////////////////////////////////////////

6.4 UE Mobility Management Procedures

The following list of UE Mobility management procedures are used to prepare, execute or cancel handovers.

- Handover Preparation;

- Handover Resource Allocation;

- Handover Notification;

- Path Switch Request;

- Uplink RAN Status Transfer;

- Downlink RAN Status Transfer;

- Handover Cancellation;

- Handover Success

- Uplink RAN Early Status Transfer,

- Downlink RAN Early Status Transfer.