**3GPP TSG-RAN4 Meeting #95-e *R4-2008639***

**Electronic Meeting, May 25-June 05, 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.133** | **CR** | **0871** | **rev** | 1 | **Current version:** | **16.3.0** |  |
|  | | | | | | | | |
| *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 | **x** | Radio Access Network |  | Core Network |  |

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|  | | | | | | | | | | |
| ***Title:*** | Applicability of 2-step RA and 4-step RA in RRM requirements in 38.133 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_2step\_RACH-Core | | | | |  | ***Date:*** | | | 2020-06-03 |
|  |  | | | |  | |  | | |  |
| ***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 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:*** | | To specify applicability of 2-step RA and 4-step RA in RRM requirements requirements. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Specify that unless explicitly stated otherwise, both 2-step and 4-step RA are applicable in the followng RRM requirements where UE transmit RA to NR cell:  - 6.1 Handover  - 6.2 RRC Connection Mobility Control  - 7.1 UE transmit timing  - 8.11 PSCell Change  - 8.11B Conditional PSCell Change | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The performance of 2-step RA and 4-step RA in some RRM procedures cannot be guanranteed. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 3.6.7 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  |  | Other core specifications | | | |  | | |
| ***affected:*** | | **X** |  | Test specifications | | | | TS 38.533 | | |
| ***(show related CRs)*** | |  |  | O&M Specifications | | | |  | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

**----------------------START OF CHANGES----------------------------**

3.6.7 Applicability of 2-step RA and 4-step RA in RRM requirements

Unless explicitly stated otherwise the requirements under the following clauses, where the UE transmits random acess to NR serving cell or NR target cell, are applicable for both 2-step RA and 4-step RA procedures [3]:

* Handover requirements in clause 6.1, except for clause 6.1.2
* RRC connection mobility control requirements in clause 6.2, except for clause 6.2.2,
* UE transmit timing requirements in clause 7.1,
* PScell addition delay requirements in clause 8.9.2,
* PSCell change requirements in clause 8.11 and
* Conditional PSCell change requirements in clause 8.11B.

**----------------------END OF CHANGES----------------------------**