**3GPP TSG-RAN2#119-e *draft-*R2-2208745**

**e-meeting, 17-29 August**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | 36.306 | **CR** | 1856 | **rev** | - | **Current version:** | 17.1.0 |  |
|  | | | | | | | | |
| *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 | **X** | Radio Access Network | **X** | Core Network |  |

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| ***Title:*** | UE Capability CR for HO from E-UTRA to FR2-2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | ZTE Corporation, Sanechips | | | | | | | | | |
| ***Source to TSG:*** | R2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_ext\_to\_71GHz-Core | | | | |  | ***Date:*** | | | 26/08/2022 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | F |  | | | | | ***Release:*** | | | *Rel-17* |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier elease)* ***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)* | |
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| ***Reason for change:*** | | RRM measurement for FR2-2 cell have been introduced in 38.331. The common understandings is that the UE supporting the HO to FR2-2 should also support the FR2-2 measurement framework. This is currently not clear in 36.306. | | | | | | | | |
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| ***Summary of change:*** | | Clarify in the field descriptions of *eutra-5GC-HO-ToNR-TDD-FR2-2-r17 and eutra-EPC-HO-ToNR-TDD-FR2-2-r17* that the UE supporting these features should also support the corresponding RRM measurements.  **Impact analysis**  Impacted 5G architecture options:  SA, ENDC  Impacted functionality:  FR2-2  Inter-operability:   * If the UE is implemented according to this CR while the network is not, the network doesn’t know whether the UE supports the FR2-2 measurements or not. However in this case there is no interoperability issue since the UE can be configured with measurements if the network chooses to do this. * If the network is implemented according to this CR while the UE is not, the network may configure measurements for FR2-2 which may result in invalid (unsupported) configuration on the UE side if the UE doesn’t support this configuration. | | | | | | | | |
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| ***Consequences if not approved:*** | | It is unclear whether the UE supporting HO to FR2-2 also supports the measurements or not. | | | | | | | | |
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| ***Clauses affected:*** | | 4.3.34.25, 4.3.34.26 | | | | | | | | |
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|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS/TR 36.331 CR 4869 | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

*first Change*

#### 4.3.34.25 *eutra-5GC-HO-ToNR-TDD-FR2-2-r17*

This field indicates whether the UE supports handover from E-UTRA/5GC to NR TDD FR2-2 as specified in TS 38.101-x[xx]. A UE that indicates this field also supports *eutra-5GC-r15*. A UE supporting handover from E-UTRA/5GC to NR TDD FR2-2 shall also support the RRM measurements for FR2-2 as specified in TS 36.331 [5].

#### 4.3.34.26 *eutra-EPC-HO-ToNR-TDD-FR2-2-r17*

This field indicates whether the UE supports handover from E-UTRA/EPC to NR TDD FR2-2 as specified in TS 38.101-x[xx]. A UE supporting handover from E-UTRA/EPC to NR TDD FR2-2 shall also support the RRM measurements for FR2-2 as specified in TS 36.331 [5].