**3GPP TSG-RAN WG2 #109-e-Bis**  ***R2-20xxxxx***

**Electronic meeting, 20th - 30th April, 2020**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v11.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.331** | **CR** | **1553** | **rev** | **1** | **Current version:** | **16.0.0** |  |
| *For* ***[HE](http://www.3gpp.org/3G_Specs/CRs.htm" \l "_blank)******[LP](http://www.3gpp.org/3G_Specs/CRs.htm" \l "_blank)*** *on using this form: comprehensive instructions can be found at  <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:*** | Correction to transfer of UE capabilities at HO for RACS (38.331) | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | ZTE Corporation, Ericsson, MediaTek Inc.,Sanechips | | | | | | | | | |
| ***Source to TSG:*** | R2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | RACS-RAN-Core | | | | |  | ***Date:*** | | | 2020-04-09 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***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:*** | | According to the LS sent from RAN2#109-e to SA2 (R2-2001891), it is optional to include UE radio access capabilities in the handover PreparationInformation when RACS is supported and UE Radio Capability ID is used.  Based on the ASN code, it is already optional, but there is a note specifying which UE capabilites shall be sent, so the note need to be updated for the RACS case. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | It is clarified that UE radio access capabilites are optional at handover for RACS capable UE’s when UE Radio Capability ID is used. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | UE capabilites are mandatory at HO also for RACS capable UE’s when UE Radio Capability ID is used, adding unneccesary signaling. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 11.2.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

START OF CHANGE

### 11.2.2 Message definitions

#### – *HandoverCommand*

\*\*\*\*\*\*\*\*\*omitted unchanged parts\*\*\*\*\*\*\*\*\*

#### – *HandoverPreparationInformation*

This message is used to transfer the NR RRC information used by the target gNB during handover preparation or UE context retrieval, e.g. in case of resume or re-establishment, including UE capability information. This message is also used for transferring the information between the CU and DU.

\*\*\*\*\*\*\*\*\*omitted unchanged parts\*\*\*\*\*\*\*\*\*

NOTE 1: The following table indicates per source RAT whether RAT capabilities are included or not.

|  |  |  |  |
| --- | --- | --- | --- |
| Source RAT | NR capabilites | E-UTRA capabilities | MR-DC capabilities |
| NR | May be included if UE Radio Capability ID as specified in 23.502 [43] is used for the UE. Included otherwise. | May be included | May be included |
| E-UTRAN | May be included if UE Radio Capability ID is used for the UE. Included otherwise. | May be included | May be included |

NOTE 2: The following table indicates, in case of inter-RAT handover from E-UTRA, which additional IEs are included or not:

|  |  |  |  |
| --- | --- | --- | --- |
| Source system | sourceConfig | rrm-Config | as-Context |
| E-UTRA/EPC | Not included | May be included | Not included |
| E-UTRA/5GC | May be included, but only *radioBearerConfig* is included in the *RRCReconfiguration*. | May be included | Not included |

END OF CHANGE