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

**Electronic, 20 Apr – 30 Apr 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **38.300** | **CR** | **Draft** | **rev** |  | **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 | **x** | Radio Access Network | **X** | Core Network |  |

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| ***Title:*** | Introduction of eCall over IMS for NR | | | | | | | | | |
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| ***Source to WG:*** | Huawei, HiSilicon | | | | | | | | | |
| ***Source to TSG:*** | R2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI16 | | | | |  | ***Date:*** | | | 2020-04-23 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | C |  | | | | | ***Release:*** | | | 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)* | |
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| ***Reason for change:*** | | In SA LS SP-200287, SA would like RAN2 to support eCall over IMS for NR. Even if eCall over IMS has been defined in this specification, some misalignments need to be fixed.  In TS 23.501, there are basically two cases for UE to identify cell support of eCall over IMS:  (1) UE is not in limited service state: use the indication of eCall over IMS in SIB  (2) UE is in limited service state: use both the indication of eCall over IMS and the indication of Emergency Services in SIB  However, only case (2) has been captured in this specification, and case (1) is missing. | | | | | | | | |
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| ***Summary of change:*** | | For eCall over IMS, the following change is added in order to be aligned with TS 23.501:  UEs that are not in limited service state need to only consider *eCallOverIMS* to determine if eCall over IMS is possible. | | | | | | | | |
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| ***Consequences if not approved:*** | | The feature eCall over IMS for NR is not supported. | | | | | | | | |
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| ***Clauses affected:*** | | 16.5.3 | | | | | | | | |
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|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **Y** |  | Other core specifications | | | | TS 38.304 CRxxxx  TS 38.331 CRxxxx | | |
| ***affected:*** | |  | **x** | Test specifications | | | |  | | |
| ***(show related CRs)*** | |  | **x** | O&M Specifications | | | |  | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

### 16.5.3 eCall over IMS

NG-RAN broadcast an indication to indicate support of eCall over IMS (*eCallOverIMS*). UEs that are in limited service state need to consider both *eCallOverIMS* and *ims-Emergency* to determine if eCall over IMS is possible. UEs that are not in limited service state need to only consider *eCallOverIMS* to determine if eCall over IMS is possible.