**3GPP TSG-RAN2 Meeting #113 electronic *R2-210xxxx***

**Online, Jan 25 – Feb 5, 2021**

|  |
| --- |
| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **38.306** | **CR** | **-** | **rev** | **-** | **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)*.* |
|  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network | **X** | Core Network |  |

|  |
| --- |
|  |
| ***Title:***  | CR to clarify the definition of fallback per CC feature set |
|  |  |
| ***Source to WG:*** | Huawei, HiSilicon |
| ***Source to TSG:*** | RAN2 |
|  |  |
| ***Work item code:*** | NR\_newRAT-Core |  | ***Date:*** | 2021-01-15 |
|  |  |  |  |  |
| ***Category:*** | **A** |  | ***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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
|  |  |
| ***Reason for change:*** | For fallback per CC feature and fallback per band feature set, fallback capability is mainly defined as “lower values than the reported values”. However, “lower values” than the reported values does not always means the lower capability. The intention of “lower values than the reported values” is the “lower capabilities than the reported capabilities”. |
|  |  |
| ***Summary of change:*** | Re-word the definition of fallback per CC feature and fallback per band feature set to “…that has lower capabilities than the reported capabilities…”.**Impact Analysis**Impacted functionality:UE radio capabilityInter-operability:1. If the UE is implemented according to the CR and the NW is not, the NW may consider the higher capability as the fallback capability which cannot supported by the UE.
2. If the NW is implemented according to the CR and the UE is not, there is no inter-operability issue.
 |
|  |  |
| ***Consequences if not approved:*** | The original wording of “lower value” may cause wrong fallback capability, which may lead to re-configuration failure. |
|  |  |
| ***Clauses affected:*** | 3.1 |
|  |  |
|  | **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:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

*START OF CHANGE*

## 3.1 Definitions

For the purposes of the present document, the terms and definitions given in TR 21.905 [1] and the following apply. A term defined in the present document takes precedence over the definition of the same term, if any, in TR 21.905 [1].

**Fallback band combination:** A Uu band combination that would result from another Uu band combination by releasing at least one SCell or uplink configuration of SCell, or SCG. A PC5 band combination that would result from another PC5 band combination by releasing at least one sidelink carrier. An intra-band non-contiguous band combination is not considered to be a fallback band combination of an intra-band contiguous band combination.

**Fallback per band feature set:** A feature set per band that has same or lower capabilities than the reported capabilities from the reported feature set per band for a given band.

**Fallback per CC feature set:** A feature set per CC that has lower capabilities of UE supported MIMO layers and BW while keeping the numerology and other parameters the same from the reported feature set per CC for a given carrier per band.

END OF CHANGE