**3GPP TSG-RAN4 Meeting #116 *R4-2511xxxx***

**Bangalore, India, 25th - 29th, August**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **36.133** | **CR** | **7392** | **rev** | **1** | **Current version:** | 19.1.0 |  |
|  | | | | | | | | |
| *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 |  | Core Network |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Modification on IoT NTN band groups for satellite access | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | ZTE Corporation, Sanechips | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | IoT\_NTN\_Ph3-Core | | | | |  | ***Date:*** | | | 2025-08-14 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Band 252 shall be added for satellite access. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Add band 252 for satellite access. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The band 252 in band group will be absent. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 3.5.1A | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS 36.102 | | |
| ***affected:*** | |  |  | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  |  | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

### 3.5.1A Groups of bands for satellite access

The grouping of bands for satellite access for NB-IOT is specified in Table 3.5.1A-1.

Table 3.5.1A-1: Band groups for NB-IoT for satellite access

|  |  |  |
| --- | --- | --- |
| Group | E-UTRA FDD | |
|  | Band group notation | Operating bands |
| A | NFDD\_SAB\_A |  |
| B | NFDD\_SAB\_B |  |
| C | NFDD\_SAB\_C |  |
| D | NFDD\_SAB\_D |  |
| E | NFDD\_SAB\_E |  |
| F | NFDD\_SAB\_F |  |
| G | NFDD\_SAB\_G | 253, 254, 255, 256, 252 |
| H | NFDD\_SAB\_H |  |
| I | NFDD\_SAB\_I |  |
| J | NFDD\_SAB\_J |  |
| K | NFDD\_SAB\_K |  |
| L | NFDD\_SAB\_L |  |
| M | NFDD\_SAB\_M |  |
| N | NFDD\_SAB\_N |  |

The grouping of bands for satellite access for category M1 is specified in Table 3.5.1A-2.

Table 3.5.1A-2: Band groups for category M1 for satellite access

|  |  |  |
| --- | --- | --- |
| Group | E-UTRA FDD | |
|  | Band group notation | Operating bands |
| A | FDD-M1\_SAB\_A | 253, 255 |
| B | FDD-M1\_SAB\_B | 254, 256, 252 |
| C | FDD-M1\_SAB\_C |  |
| D | FDD-M1\_SAB\_D |  |
| E | FDD-M1\_SAB\_E |  |
| F | FDD-M1\_SAB\_F |  |
| G | FDD-M1\_SAB\_G |  |
| H | FDD-M1\_SAB\_H |  |
| I | FDD-M1\_SAB\_I |  |
| J | FDD-M1\_SAB\_J |  |
| K | FDD-M1\_SAB\_K |  |
| L | FDD-M1\_SAB\_L |  |
| M | FDD-M1\_SAB\_M |  |
| N | FDD-M1\_SAB\_N |  |