**3GPP TSG-RAN WG3 Meeting #123R3-240822**

**Athens, Greece, 26th Feb – 1st Mar 2024**

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

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| ***Title:*** | Introduction of new SPID value for 2RX XR UE [2Rx\_XR\_UE] | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia, Nokia Shanghai Bell, ZTE, Apple, Ericsson, Qualcomm, Deutsche Telekom, Vodafone, CATT, CMCC, China Telecom | | | | | | | | | |
| ***Source to TSG:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI18 | | | | |  | ***Date:*** | | | 2024-02-26 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | |  |
|  | *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)* ***S*** *(adding to the sourcing companies’ CR statistics)*  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)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | RAN#102 agreed the way forward to support 2Rx XR UE:  - SPID indication from the Core Network to gNB. [RAN3]  A new reference SPID value needs to be defined for 2Rx XR UE. | | | | | | | | |
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| ***Summary of change:*** | | Introduces a new Reference SPID value for 2Rx XR UE. | | | | | | | | |
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| ***Consequences if not approved:*** | | Cannot support 2Rx XR UE. | | | | | | | | |
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| ***Clauses affected:*** | | Annex D | | | | | | | | |
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|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS 36.300 CR 00xx | | |
| ***affected:*** | |  | **X** | Test specifications | | | |  | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | |  | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | | Related TS 36.300 CR in R3-240139 | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

*Start of Change*

Annex D (informative):  
SPID ranges and mapping of SPID values to cell reselection and inter-RAT/inter frequency handover priorities

The SPID, i.e. Index to RAT/Frequency Selection Priority as defined in TS23.501 [3], values are defined in Annex I of TS 36.300 [2].

From the SPID reference values defined in TS 36.300 [2], the SPID=253 also applies for 5GC.

The SPID=x defined as below only applies for 5GC.

SPID = x

Table I.x: gNB local configuration in idle and connected mode for SPID = X

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| --- | --- | --- |
| Configuration parameter | Value | Meaning |
| 2Rx non-RedCap XR device subscriber | true | The selection provides information that subscriber is an XR device and is permitted to utilise a minimum of two Rx antenna ports for the NR bands where four Rx antenna ports are baseline as given in TS 38.101-1 [88]. |

*End of Change*