**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 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-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 |
|  |  |
|  | **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*