**3GPP TSG-RAN WG2 Meeting #121bis-e *R2-230xxxx***

Online, Apr 17th – Apr 26th, 2023

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **38.331** | **CR** | **Xxxx** | **rev** | **-** | **Current version:** | **17.4.0** |  |
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| *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:***  | Correction on Supporting MBS in SNPN |
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| ***Source to WG:*** | CATT, CBN |
| ***Source to TSG:*** | R2 |
|  |  |
| ***Work item code:*** | NR\_MBS-Core |  | ***Date:*** | 2023-4-23 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***Release:*** | Rel-17 |
|  | *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-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19)* |
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| ***Reason for change:*** |  When UE report MII, if explicit PLMN ID(e.g. PLMN ID 1) is used for SNPN in the structure of TMGI, it will cause ambiguity on which network is referring to. NW will have no way to know whether the reported TMGI is corresponding to the PLMN or to the SNPN. |
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| ***Summary of change:*** |  When reporting MII, explicitValue is not used if the corresponding TMGI belongs to a SNPN(according to R2-2302522).**Impact analysis**Impacted 5G architecture options:NR SA, NR-DCImpacted functionality:MBSInter-operability:There are no inter-operability issues found. |
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| ***Consequences if not approved:*** | If explicit PLMN ID(e.g. PLMN ID 1) is used for SNPN in the structure of TMGI, it will cause ambiguity on which network is referring to. |
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| ***Clauses affected:*** | 6.3.6 |
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|  | **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:*** |  |

*First Modified Subclause*

– *TMGI*

The IE *TMGI* is used to identify the MBS session.

***TMGI* information element**

-- ASN1START

-- TAG-TMGI-START

TMGI-r17 ::= SEQUENCE {

 plmn-Id-r17 CHOICE {

 plmn-Index INTEGER (1..maxPLMN),

 explicitValue PLMN-Identity

 },

 serviceId-r17 OCTET STRING (SIZE (3))

}

-- TAG-TMGI-STOP

-- ASN1STOP

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| ***TMGI* field descriptions** |
| ***plmn-Index***PLMN index or NPN index according to the *plmn-IdentityInfoList* and *npn-IdentityInfoList* fields included in *SIB1*. If this field is included in the *MRB-ToAddMod-r17*, the UE translates the *plmn-Index* into the PLMN Identity or SNPN Identity based on the configuration in *SIB1* (which is the *SIB1* of the target cell in case of handover). The explicitValue is not used for MBS service(s) of an SNPN. |
| ***serviceId***Uniquely identifies the identity of an MBS service within a PLMN. The field contains octet 3- 5 of the IE Temporary Mobile Group Identity (TMGI) as defined in TS 24.008 [38]. The first octet contains the third octet of the TMGI, the second octet contains the fourth octet of the TMGI and so on. |

*End of Modificatcion*