**3GPP TSG-RAN WG2 Meeting #118 Electronic *R2-220XXXX***

**09 – 20 May 2022**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **rev** | **1** | **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 | **X** | Radio Access Network | **X** | Core Network |  |

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| ***Title:*** | Corrections for eNPN from RAN2#118 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia, Nokia Shanghai Bell | | | | | | | | | |
| ***Source to TSG:*** | R2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** |  | | | | |  | ***Date:*** | | | 2022-05 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | ***F*** |  | | | | | ***Release:*** | | | 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 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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Give the reasons for change:   1. ASN. 1 Class 0 comments 120, 121, 122, 307, 308 2. RIL comments E036, H049, H050 | | | | | | | | |
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| ***Summary of change:*** | | SIB18 descirption, SIB18 ASN.1 names and field descriptions are corrected.  **Impact analysis**  Impacted functionality: NG\_RAN\_PRN\_enh.  Inter-operability:  Implementation of this CR by a Release 17 UE will not cause compatibility issues | | | | | | | | |
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| ***Consequences if not approved:*** | | ASN.1 naming errors, unclear description of SIB18. | | | | | | | | |
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| ***Clauses affected:*** | | 6.3.1 | | | | | | | | |
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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*

### 6.3.1 System information blocks

<Text omitted>

#### – *SIB18*

*SIB18* contains Group IDs for Network selection (GINs) to support access using credentials from a Credentials Holder or to support UE onboarding.

***SIB18* information element**

-- ASN1START

-- TAG-SIB18-START

SIB18-r17 ::= SEQUENCE {

gin-ElementList-r17 SEQUENCE (SIZE (1..maxGIN-r17)) OF GIN-Element-r17 OPTIONAL, -- Need R

gins-PerSNPN-List-r17 SEQUENCE (SIZE (1..maxNPN-r16)) OF GINs-PerSNPN-r17 OPTIONAL, -- Need R

lateNonCriticalExtension OCTET STRING OPTIONAL,

...

}

GIN-Element-r17 ::= SEQUENCE {

plmn-Identity-r17 PLMN-Identity,

nid-List-r17 SEQUENCE (SIZE (1..maxGIN-r17)) OF NID-r16

}

GINs-PerSNPN-r17 ::= SEQUENCE {

supportedGINs-r17 BIT STRING (SIZE (1..maxGIN-r17)) OPTIONAL -- Need R

}

-- TAG-SIB18-STOP

-- ASN1STOP

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| *SIB18* field descriptions |
| ***gin-ElementList***  The *gin-ElementList* contains one or more GIN elements. Each GIN element contains either one GIN, which is identified by a PLMN ID and a NID, or multiple GINs that share the same PLMN ID. The total number of GINs indicated does not exceed maxGIN-r17. The GIN index *m* is defined as d1+d2+…+d(n-1)+i for the GIN included in the *n*-th entry of the *gin-ElementList* and the *i*-th entry of its corresponding *GIN-Element*, where *d(k)* is the number of GIN index values used in the *k*-th *gin-ElementList* entry. |
| ***gins-PerSNPN-List***  Indicates the supported GINs for each SNPN. The network includes the same number of entries as the number of SNPNs in *snpn-AccessInfoList* in provided in SIB1, and the n-th entry in this list corresponds to the n-th SNPN listed in *snpn-AccessInfoList* provided in SIB1. This field is not present if there is only a single SNPN in *snpn-AccessInfoList* in SIB1, as in that case all GINs in this SIB is associated with that SNPN. |

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| *GINs-PerSNPN* field descriptions |
| ***supportedGINs***  Indicates the GINs which are supported by the given SNPN. The first/leftmost bit corresponds to the GIN with GIN index 1, the second bit corresponds to the GIN with GIN index 2 and so on. A bit set to 1 indicates that the GIN is supported by the SNPN. If the field is not present, then the corresponding SNPN does not support any GINs. |

*End of Changes*