**3GPP TSG-CT WG4 Meeting #98eC4-203449**

**E-Meeting, 02nd – 12th June 2020**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.571** | **CR** | **0227** | **rev** | **-** | **Current version:** | **16.3.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Clarifications to TAI / ECGI / NCGI for SNPNs | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | CT4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | Vertical\_LAN | | | | |  | ***Date:*** | | | 2020-05-19 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | In the Core Network interfaces, for SNPNs, the TAI/ECGI/NCGI Information Elements may include a Network Identifier (NID) value in adition to the existing PLMN-ID (MCC/MNC) value, as indicated in clauses 5.4.4.4, 5.4.4.5 and 5.4.4.6.  However, this does not imply a change on the system-wide definition of TAI/ECGI/NCGI. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | For the Core Network interfaces, clarify that the TAI/ECGI/NCGI may include a NID value when sent in the context of SNPNs, without implying any change of the definitions of TAI/ECGI/NCGI . | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Potential mis-interpretation of the definition of TAI/ECGI/NCGI across specifications. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.4.4.4, 5.4.4.5, 5.4.4.6 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 does not introduce any changes on the OpenAPI specifications. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

\* \* \* First Change \* \* \* \*

#### 5.4.4.4 Type: Tai

Table 5.4.4.4-1: Definition of type Tai

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description |
| plmnId | PlmnId | M | 1 | PLMN Identity |
| tac | Tac | M | 1 | Tracking Area Code |
| nid | Nid | O | 0..1 | Network Identifier of an SNPN indicates the identity of the SNPN to which the TA belongs to. |

NOTE: The "nid" attribute is used to convey the Network Identifier (NID) of the SNPN as part of the "Tai" JSON object data type definition; this is a protocol aspect that does not imply any change on the system-wide definition of the TAI, as described in 3GPP 23.003 [7].

\* \* \* Next Change \* \* \* \*

#### 5.4.4.5 Type: Ecgi

Table 5.4.4.5-1: Definition of type Ecgi

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description |
| plmnId | PlmnId | M | 1 | PLMN Identity |
| eutraCellId | EutraCellId | M | 1 | E-UTRA Cell Identity |
| nid | Nid | O | 0..1 | Network Identifier |

NOTE: The "nid" attribute is used to convey the Network Identifier (NID) of the SNPN as part of the "Ecgi" JSON object data type definition; this is a protocol aspect that does not imply any change on the system-wide definition of the ECGI, as described in 3GPP 23.003 [7].

\* \* \* Next Change \* \* \* \*

#### 5.4.4.6 Type: Ncgi

Table 5.4.4.6-1: Definition of type Ncgi

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description |
| plmnId | PlmnId | M | 1 | PLMN Identity |
| nrCellId | NrCellId | M | 1 | NR Cell Identity |
| nid | Nid | O | 0..1 | Network Identifier |

NOTE: The "nid" attribute is used to convey the Network Identifier (NID) of the SNPN as part of the "Ncgi" JSON object data type definition; this is a protocol aspect that does not imply any change on the system-wide definition of the NCGI, as described in 3GPP 23.003 [7].

\* \* \* End of Changes \* \* \* \*