**3GPP TSG-CT WG1 Meeting #136-eC1-223847**

**E-meeting, 12th -20th May 2022 (was\_3124\_2932)**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.501** | **CR** | **4238** | **rev** | **2** | **Current version:** | **17.6.1** |  |
|  | | | | | | | | |
| *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 | **x** |

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| ***Title:*** | Clarification on the confliction between the NSSRG information IE and the Configured NSSAI IE | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | vivo | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eNS\_Ph2 | | | | |  | ***Date:*** | | | 2022-04-28 |
|  |  | | | |  | |  | | |  |
| ***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 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)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The NSSRG information IE format has been fixed during CT1#134e, which contains the value of configured S-NSSAI(s). However, how to handle the issue in the UE has not been identified when the number or the contents of configured S-NSSAI(s) in the NSSRG information IE is different from that in the Configured NSSAI IE. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | The network has a responsibility to send the above two IE in the right format. If the mismatch happens, then the NSSRG informationwill be regarded as a syntactically incorrect optional IE. | | | | | | | | |
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| ***Consequences if not approved:*** | | Missing statements for the conflict between the NSSRG IE and the Configured NSSAI IE. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.4.4.2, 5.5.1.2.4, 5.5.1.3.4, 9.11.3.82 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | CT1#135e:  In the above scenario, the UE shall consider the new configured S-NSSAI(s), which is included in both the NSSRG information IE and the configured NSSAI IE, is valid. In addition, the NSSRG value(s) associated with the valid configured S-NSSAI(s) are accepted.  CT1#136e:  The network has the responsibility to send the above two IE in the right format. If the mismatch happens, then the NSSARG information IE will be regarded as a syntactically incorrect optional IE. | | | | | | | | |

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

#### 9.11.3.82 NSSRG information

The purpose of the NSSRG information information element is to identify one or more NSSRG values associated with each of the S-NSSAIs in a configured NSSAI.

The NSSRG information information element is coded as shown in figure 9.11.3.82.1, figure 9.11.3.82.2 and table 9.11.3.82.1.

The NSSRG information is a type 6 information element with minimum length of 7 octets and maximum length of 65538 octets.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| NSSRG information IEI | | | | | | | | octet 1 |
| Length of NSSRG information contents | | | | | | | | octet 2  octet 3 |
| NSSRG values for S-NSSAI 1 | | | | | | | | octet 4  octet m |
| NSSRG values for S-NSSAI 2 | | | | | | | | octet m+1\*  octet n\* |
| … | | | | | | | | octet n+1\*  octet u\* |
| NSSRG values for S-NSSAI x | | | | | | | | octet u+1\*  octet v\* |

Figure 9.11.3.82.1: NSSRG information information element

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Length of NSSRG values for S-NSSAI | | | | | | | | octet 4 |
| S-NSSAI value | | | | | | | | octet 5  octet w |
| NSSRG value 1 for the S-NSSAI | | | | | | | | octet w+1 |
| NSSRG value 2 for the S-NSSAI | | | | | | | | octet w+2\* |
| … | | | | | | | | octet w+3\*  octet m-1\* |
| NSSRG value y for the S-NSSAI | | | | | | | | octet m\* |

Figure 9.11.3.82.2: NSSRG values for S-NSSAI

Table 9.11.3.82.1: NSSRG information information element

|  |
| --- |
| Value part of the NSSRG information information element (octet 4 to v)  The value part of the NSSRG information information element consists of one or more NSSRG values for each S-NSSAI in the Configured NSSAI IE.  S-NSSAI value (octet 5 to w)  S-NSSAI value is coded as the length and value part of S-NSSAI information element as specified in subclause 9.11.2.8 starting with the second octet. (see NOTE 1) |
| NSSRG value for the S-NSSAI (octet w+1) |
| This field contains the 8 bit NSSRG value. |
| NOTE: The NSSRG information IE shall contain the complete set of (mapped) S-NSSAI(s) included in the configured NSSAI. |

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