**3GPP TSG-CT WG1 Meeting #137-eC1-22xxxx**

**E-Meeting, 18th – 26th August 2022 Revision of C1-224651**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  |  | **CR** | **4471** | **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 |  | Core Network |  |

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| ***Title:***  | Indicating the deletion or invalidation of the NSAG information to lower layers |
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| ***Source to WG:*** | China Mobile, Nokia, Nokia Shanghai Bell, Huawei, HiSilicon, China Southern Power Grid |
| ***Source to TSG:*** | C1 |
|  |  |
| ***Work item code:*** | NRslice |  | ***Date:*** | 2022-08-08 |
|  |  |  |  |  |
| ***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 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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
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| ***Reason for change:*** | In TS 23.501 subclause 5.15.14, the following requirement is specified:*The UE shall store and consider the received NSAG Information, valid for the Registered PLMN until:**- the UE receives new NSAG information in a Registration Accept message or UE Configuration Command message in this PLMN; or**- the UE receives a Configured NSSAI without any NSAG information in this PLMN.*In TS 24.501 subclause 4.6.2.2, the following requirement is specified:*ab) The NSAG information shall be stored until:**1) a new NSAG information is received for the registered PLMN over 3GPP access; or**2) a new configured NSSAI without any associated NSAG information is received for the registered PLMN over 3GPP access.* *When a new NSAG information for the registered PLMN over 3GPP access is received, the UE shall replace any stored NSAG information for the registered PLMN and its equivalent PLMN(s) with the new NSAG information for the registered PLMN.* *When a new configured NSSAI without any associated NSAG information is received for the registered PLMN over 3GPP access, the UE shall delete any stored NSAG information for the registered PLMN and its equivalent PLMN(s).*It is suggested to consider indicating the deletion or the invalidation of the NSAG information to lower layers. |
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| ***Summary of change:*** | Consider indicating the deletion or the invalidation of the NSAG information to lower layers in subclause 4.6.2.6. |
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| ***Consequences if not approved:*** | The lower layers do not know the deletion or the invalidation of the NSAG information |
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| ***Clauses affected:*** | 4.6.2.6 |
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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 Change \* \* \* \*

#### 4.6.2.6 Provision of NSAG information to lower layers

NSAG information includes a list of NSAG IDs each of which is associated with:

a) a list of S-NSSAIs, which shall be the ones included in the configured NSSAI;

b) an NSAG area containing a list of TAIs which identify an area where the mapping between the S-NSSAI(s) in bullet a) and the NSAG ID is valid; and

c) a priority value that is associated with each NSAG ID in the NSAG information.

If NSAG information is available, the UE NAS layer shall provide the lower layers with the most recent NSAG information. When NSAG information is deleted or invalid, the UE NAS layer shall indicate to the lower layers.

NOTE: Along with the NSAG information, the UE provides to the lower layers with allowed NSSAI and requested NSSAI for the purpose of NSAG-aware cell reselection.

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