**3GPP TSG-CT WG4 Meeting #111-eC4-224**

**E-Meeting, 18th – 26th August 2022 revision of C4-224099**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.503** | **CR** | **0897** | **rev** | **1** | **Current version:** | **17.7.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Subscribed S-NSSAI priority | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia, Nokia Shanghai Bell | | | | | | | | | |
| ***Source to TSG:*** | CT4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_slice-Core | | | | |  | ***Date:*** | | | 2022-08-22 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | To add a subscribed priority value to type Snssai for use in cell re-reselection scenarios | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | New attribute "priority" is added to type AdditionalSnssaiData | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Requirement from 23.502 cannot be implemented | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.1.6.2.38, A.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS 23.502... CR ... 3544 | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | | This CR introduces backwards compatible corrections with impact to the following APIs:  TS29503\_Nudm\_SDM.yaml TS29504\_Nudr\_DR.yaml | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

**\*\*\*\*\*\*\***

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

##### 6.1.6.2.38 Type: AdditionalSnssaiData

Table 6.1.6.2.38-1: Definition of type AdditionalSnssaiData

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| requiredAuthnAuthz | boolean | O | 0..1 | Indicates whether an S-NSSAI is subject to Network Slice-Specific Authentication and Authorization:  - true: subject to network slice-specific authentication and authorization  - false, or absent: not subject to network slice-specific authentication and authorization | Nssaa |
| subscribedUeSliceMbr | SliceMbrRm | O | 0..1 | Indicates the subscribed UE-Slice-MBR for an S-NSSAI if the access type is 3GPP access. | Nsac |
| subscribedNsSrgList | array(NsSrg) | O | 1..N | Indicates the subscribed Network Slice Silumtaneous Group values for an S-NSSAI.  (NOTE 1) | Nssrg |
| priority | Uinteger | O | 0..1 | Unsigned integer within the range 1 to 16, representing the Subscribed Network Slice Priority. May be used in cell re-selection scenarios.  Value 1 indicates highest priority. |  |
| NOTE 1: If the NF consumer does not support the Nssrg feature, the subset of the Subscribed S-NSSAIs as defined in clause 5.15.12 of 3GPP TS 23.501 [2], may be included without providing the subscribedNsSrgList information. i.e. UDM may send default S-NSSAIs and subscribed S-NSSAIs sharing all the NSSRGs of the Default S-NSSAIs as part of the subscription information. | | | | | |

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

## A.2 Nudm\_SDM API

openapi: 3.0.0

\*\*\*\*\*\*\*\*\*\*\*text not shown for clarity\*\*\*\*\*\*\*\*

AdditionalSnssaiData:

type: object

properties:

requiredAuthnAuthz:

type: boolean

subscribedUeSliceMbr:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/SliceMbrRm'

subscribedNsSrgList:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/NsSrg'

minItems: 1

priority:

type: integer

minimum: 1

maximum: 16

description: >

Unsigned integer, representing the Subscribed Network Slice Priority

It may be used in cell re-selection scenarios.

Value 1 indicates highest priority.

\*\*\*\*\*\*\*\*\*\*\*text not shown for clarity\*\*\*\*\*\*\*\*

\* \* \* End of Change \* \* \* \*