**3GPP TSG-SA WG6 Meeting #45-bis-e S6-212214**

**e-meeting, 11th – 19th October 2021 (revision of S6-21xxxx)**

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| --- |
| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  |  | **CR** |  | **rev** |  | **Current version:** | **17.3.0** |  |
|  |
| *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)*.* |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network |  |

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| ***Title:***  |  |
|  |  |
| ***Source to WG:*** |  |
| ***Source to TSG:*** | S6 |
|  |  |
| ***Work item code:*** | eSEAL |  | ***Date:*** |  |
|  |  |  |  |  |
| ***Category:*** | D |  | ***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:*** | The network slice adaptation trigger may be in the form of exact requested network slice (and optionally DNN) for all the VAL UEs of the VAL application. However, how the requested network slice is known and how the slice adaptation request for all the VAL UEs could be triggered by one UE is not specified.  |
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| ***Summary of change:*** | 2 Notes are added to indicate those issues is out of scope of this release. |
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| ***Consequences if not approved:*** | It would be confused if the change is not approved. |
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| ***Clauses affected:*** | 16.3.2.4 |
|  |  |
|  | **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 \* \* \* \*

#### 16.3.2.4 Procedure for VAL UE-triggered and network-based network slice adaptation for VAL application

Figure 16.3.2.4-1 illustrates the VAL UE-triggered and network-based procedure where the NSCM server supports the network slice adaptation with the underlying 3GPP system for the VAL UEs of the VAL application.

Pre-condition:

- The NSCM client has connected to the NSCM server;



Figure 16.3.2.4-1: Network slice adaptation for VAL application

1. The VAL client provides a new application requirement to the NSCM client, indicating a new service profile for the VAL application. This may be in the form of a change at the application QoS requirements, service operation change, or other application-related parameters.

2. The NSCM client sends a network slice adaptation trigger to the NSCM server for the VAL application. This trigger may be in the form of exact requested network slice (and optionally DNN) for the VAL UE of the VAL application; or indication that the VAL application needs to be remapped to a different network slice (and optionally DNN).

NOTE 1：How the requested network slice is known by the NSCM client is out of scope of this release.

3. The NSCM server processes the request and triggers the network slice configuration per VAL UE within the VAL Application.

NOTE 2：Whether and how the NSCM server triggers the network slice configuration for all the VAL UEs within the VAL Application is out of scope of this release.

4. The NSCM server acting as AF provides the updated S-NSSAI and DNN per VAL UE. In particular, NSCM server sends this information to the PCF via NEF as part of the AF-driven guidance for URSP determination to 5G system (as specified in TS23.502 clause 4.15.6.10, TS 23.503 clause 6.6.2.2, TS 23.548 clause 6.2.4). This guidance may update the route selection parameters to indicate different sets of PDU Session information (DNN, S-NSSAI) that can be associated with applications matching the application traffic.

NOTE 3: NSCM server provides the updated S-NSSAI/DNN as a suggestion/guidance to PCF; however it is up to PCF to decide whether to perform the slice/DNN re-mapping

5. The NSCM server may send a notification to the NSCM client indicating success or failure.