**3GPP TSG-CT WG1 Meeting #135-eC1-22XXXX**

**E-Meeting, 6th – 12th April 2022**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.549** | **CR** | **0007** | **rev** | **1** | **Current version:** | **17.0.0** |  |
|  | | | | | | | | |
| *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 | **X** | Radio Access Network |  | Core Network | **X** |

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|  | | | | | | | | | | |
| ***Title:*** | SNSCE server procedure | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Lenovo, Motorola Mobility | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eSEAL | | | | |  | ***Date:*** | | | 2022-04-06 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***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:*** | | SNSCE server CoAP procedure needs to be specified. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Added a new subclause for CoAP procedure for SNSCE server.  Modified existing title to show the existing SNSCE server procedure is HTTP procedure. | | | | | | | | |
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| ***Consequences if not approved:*** | | Stage 3 is not following stage 2. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.2.2.3, 6.2.2.5(new) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

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

#### 6.2.2.3 SNSCE server HTTP procedure

Upon receipt an HTTP POST request from the SNSCE-C for network slice adaptation, the SNSCE-S shall determine the identity of the sender as specified in clause 6.2.1.1 to confirm whether the sender is authorized or not. If:

a) the sender is not an authorized user, the SNSCE-S shall respond with an HTTP 403 (Forbidden) response message and avoid the rest of steps; or

b) the sender is an authorized user, the SNSCE-S:

1) shall attempt to update the network slice for one or more VAL UEs with the identities listed in the VAL UE list for the VAL service, identified by VAL service ID by using the parameters for requested S-NSSAI, requested DNN and slice adaptation cause from the HTTP POST request message;

NOTE 1: To update the application traffic, the SNSCE-S can act as an AF and use the reference point N33 as shown in 3GPP TS 23.434 [2] to influence a VAL UE's URSP rules for the application traffic by providing a guidance on the route selection parameters S-NSSAI and DNN as described in clause 4.15.6.10 of 3GPP TS 23.502 [10].

NOTE 2: Whether and how the SNSCE-S can update the network slice for all VAL UEs for the VAL service, is out of the scope of this release.

2) shall send the updated network slice and any new DNN to the PCF, if the update is successful, 3GPP TS 23.434 [2]; and

3) shall send an HTTP 200 response message containing the successful or failure status of the requested network slice adaptation to the SNSCE-C.

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

#### 6.2.2.5 SNSCE server CoAP procedure

Upon receiving a CoAP POST request, where the CoAP URI of the request identifies a network slice adaptation for one or more VAL UEs for a given VAL service as described in Annex B.2, the SNSCE-S shall determine the identity of the sender as specified in clause 6.2.1.2 to confirm whether the sender is authorized or not. If:

a) the sender is not an authorized user, the SNSCE-S shall respond with a CoAP 4.03 (Forbidden) response message and avoid the rest of steps; or

b) the sender is an authorized user, the SNSCE-S:

1) shall attempt to update the network slice for one or more VAL UEs with the identities listed in the VAL UE list for the VAL service, identified by VAL service ID by using the parameters for requested S-NSSAI, requested DNN and slice adaptation cause from the CoAP POST request message;

NOTE 1: To update the application traffic, the SNSCE-S can act as an AF and use the reference point N33 as shown in 3GPP TS 23.434 [2] to influence a VAL UE's URSP rules for the application traffic by providing a guidance on the route selection descriptors S-NSSAI and DNN as described in clause 4.15.6.10 of 3GPP TS 23.502 [2A].

NOTE 2: Whether and how the SNSCE-S can update the network slice for all VAL UEs for the VAL service, is out of the scope of this release.

2) shall send the updated network slice and any new DNN to the PCF, if the update is successful, 3GPP TS 23.434 [2]; and

3) shall send a CoAP 2.04 (Changed) response message indicating the successful status of the requested network slice adaptation to the SNSCE-C.

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

<Proposed change in revision marks>

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