**3GPP TSG-SA5 Meeting #138-e *S5-214109***

**e-meeting, 23 - 31 August 2021**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **28.531** | **CR** | **0069** | **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 |  | Radio Access Network |  | Core Network | **X** |

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| ***Title:*** | Correction of network slice subnet configuration | | | | | | | | | |
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| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NETSLICE-PRO\_NS | | | | |  | ***Date:*** | | | 2021-07-30 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **A** |  | | | | | ***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 reference in step 2 of Network slice subnet configuration in clause 5.1.13 is not correct. There is no clause 6.3.2 and 6.3.3 in [13] (ETSI NFV IFA013), in addition, configurantion of SMF and UPF should not be the responsibility of ETSI NFV MANO. | | | | | | | | |
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| ***Summary of change:*** | | Change the reference to 5.3.2 and 5.3.3 of [6] (TS 28.541), which are SMFFunction and UPFFunction IOC. | | | | | | | | |
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| ***Consequences if not approved:*** | | Wrong reference may lead to wrong implementation. | | | | | | | | |
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| ***Clauses affected:*** | | 5.1.13 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

5.1.13 Network slice subnet configuration

| **Use case stage** | **Evolution/Specification** | **<<Uses>> Related use** |
| --- | --- | --- |
| **Goal** | To provide service for slice-specific (re)configuration of NSSI. |  |
| **Actors and Roles** | NSS management service consumer (e.g., the operator or NSMF) |  |
| **Telecom resources** | NSS management service provider (e.g., NSSMF)  Network slice subnet instance  NF(s) |  |
| **Assumptions** | Authorized NSS management service consumer provide slice operation information (see 4.2) for (re-)configuring NSSI constituents. |  |
| **Pre-conditions** | NSSI exists. |  |
| **Begins when** | NSS management service consumer wants to (re-)configure the constituents of a NSSI. |  |
| **Step 1 (M)** | NSS management service consumer sends requests to NSS management service provider with slice operation information for (re-)configuring a network slice subnet. |  |
| **Step 2 (M)** | NSS management service provider (derives and) decomposes the received slice operation information, and then makes them as separate CM requests for each constituent if necessary and applicable. These (decomposed) requests may be delegated to other CM service providers (e.g., other NSS service providers, CM of NFs) with corresponding slice operation information.  These requests may contain configuration for specific NFs such as 1) Configuration of dedicated NFs(e.g., configure the SMF with the information of new instantiated UPFs, see 5.3.2, 5.3.3 in [6]) and 2) Configuration of shared NFs(see 4.2) so that this information can be accessed by other constituents of the NSS (e.g., NSSF, AMF, SMF). |  |
| **Step 3 (M)** | NSS management service provider sends the processing result to NSS management service consumer (might be based on applicable processing results from other CM service providers). |  |
| **Ends when** | All the steps identified above are successfully completed. |  |
| **Exceptions** | One of the steps identified above fails. |  |
| **Post-conditions** | The required (re)configuration is configured at the corresponding constituent(s). |  |
| **Traceability** | REQ-PRO\_NSSI-FUN-16 |  |