**3GPP TSG-SA5 Meeting #135e *S5-211201***

**e-meeting 25th Jan - 03rd Feb 2021**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **28.530** | **CR** | **0040** | **rev** | **-** | **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)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network | **x** | Core Network | **x** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Add requirements of closed loop SLS assurance | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eCOSLA | | | | |  | ***Date:*** | | | 2021-01-16 |
|  |  | | | |  | |  | | |  |
| ***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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The requirement of SLS assurance for communication service consumers is needed in TS28.530. It is the basic requirement for management system, including network slice and consumers as end user. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Add requirements of closed control loop SLS assurance for communication service consumers in chapter 5 | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The requirements of closed control loop SLS assurance for communication service consumers will be missing. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

|  |
| --- |
| **Start of modification** |

# 5 Business level requirements

## 5.1 Requirements

### 5.1.1 General requirements

**REQ-5GNS-CON-01** The network slicing management architecture shall allow any deployment options within the Network Operator's domain.

**REQ-5GNS-CON-02** The set of network slicing management functions shall be generic to all kinds of network function and network function provider.

**REQ-5GNS-CON-05** The network slicing management architecture shall provide capabilities to manage the total view of all created slice instances.

**REQ-5GNS-CON-06** The network slicing management architecture should provide management capabilities that are dedicated to each network slice. The management dedicated to a network slice shall work independently from the management dedicated to another network slice.

**REQ-5GNS-CON-07** The network slicing management architecture shall allow managing multiple network slices simultaneously or independently along with their lifecycle.

**REQ-5GNS-CON-08** The 3GPP management system shall have the capability to determine to use network with or without slicing based on network related requirements.

**REQ-5GNS-CON-09** The 3GPP management system shall, when given the capacity increase or decrease of a network slice, be able to calculate the capacity increase or decrease of a RAN slice subnet, CN slice subnet and derive corresponding requirements for the TN part that support the network slice.

**REQ-5GNS-CON-10** The 3GPP management system shall be able to modify the capacity of a RAN slice subnet to a given value.

**REQ-5GNS-CON-11** The 3GPP management system shall be able to modify the capacity of a CN slice subnet to a given value.

**REQ-5GNS-CON-12** The 3GPP management system shall be able to communicate the TN requirements corresponding to the network slice capacity change.

**REQ-5GNS-CON-13** The 3GPP management system shall be able to provide management data analytics to authorized consumers.

**REQ-5GNS-CON-14** The 3GPP management system shall be able to collect and analyse relevant management data.

**REQ-MnSD-FUN-15** The MnS producer shall have the capability allowing its authorized consumer to obtain information about MnS capabilites.

**REQ-5GNS-CON-16** The 3GPP management system shall be able to provide closed control loop SLS assurance services to consumers.

|  |
| --- |
| **End of modification** |