**3GPP TSG-SA5 Meeting #134e *S5-206187***

**e-meeting 16th - 25th November 2020**

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| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **28.530** | **CR** |  | **rev** | **-** | **Current version:** | **16.3.0** |  |
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| *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 | **x** | Core Network | **x** |

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|  |
| ***Title:***  | Add requirements of closed loop SLS assurance |
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| ***Source to WG:*** | Huawei |
| ***Source to TSG:*** | S5 |
|  |  |
| ***Work item code:*** | COSLA |  | ***Date:*** | 2020-11-16 |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***Release:*** | Rel-16 |
|  | *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-12 (Release 12)**Rel-13 (Release 13)Rel-14 (Release 14)Rel-15 (Release 15)Rel-16 (Release 16)* |
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| ***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. |
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| ***Summary of change:*** | Add requirements of SLS assurance for communication service consumers in chapter 5 |
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| ***Consequences if not approved:*** | The requirements of SLS assurance for communication service consumers will be missing. |
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| ***Clauses affected:*** | 5 5.1 5.1.1 |
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|  | **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:*** | Input to R17 draftCR |
|  |  |
| ***This CR's revision history:*** |  |

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| **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 control loop SLS assurance services to consumers.

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| **End of modification** |