**3GPP TSG-SA5 Meeting #132e *S5-204192rev1***

**e-meeting 17th 28th August 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **28.531** | **CR** | **0053** | **rev** | **1** | **Current version:** | **16.6.0** |  |
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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:*** | Rel-16 CR TS 28.531 Editorial corrections to remove redundant text from use cases | | | | | | | | | |
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| ***Source to WG:*** | NEC | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI16 | | | | |  | ***Date:*** | | | 2020-08-06 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | F |  | | | | | ***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 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)* | |
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| ***Reason for change:*** | | Redundant text cleanup from existing use cases. | | | | | | | | |
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| ***Summary of change:*** | | Delete redundant term “Network” from use cases text body for the following use cases;   1. 5.1.14 Exposure of network slice management data 2. 5.1.15 Exposure of network slice management capability 3. 5.1.22 Network slice resource capacity planning | | | | | | | | |
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| ***Consequences if not approved:*** | | The redundant text can causes confusion and misunderstanding of the use cases. | | | | | | | | |
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| ***Clauses affected:*** | | 5.1.14, 5.1.15, 5.1.22 | | | | | | | | |
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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:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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| **Start of 1st modification** |

### 5.1.14 Exposure of network slice management data

| Use case stage | Evolution/Specification | <<Uses>> Related use |
| --- | --- | --- |
| **Goal** | Enable network slice management service consumer to obtain network slice management data (e.g. PM data, FM data). |  |
| **Actors and Roles** | Network slice management service consumer. For example, CSMF plays the role of network slice management service consumer.  Network slice management service provider. For example, NSMF plays the role of network slice management service provider. |  |
| **Telecom resources** | Network slice instance |  |
| **Assumptions** | The network slice management service consumer is authorized to obtain the network slice management data from the network slice management service provider. |  |
| **Pre-conditions** | NSI is created. |  |
| **Begins when** | The network slice management service consumer wants to obtain the network slice management data. |  |
| **Step 1 (M)** | The network slice management service consumer sends a request to the network slice management service provider to obtain the network slice management data. |  |
| **Step 2 (M)** | The network slice management service provider provides the network slice management service consumer with the network slice management data . |  |
| **Ends when** | All the steps identified above are successfully completed. |  |
| **Exceptions** | One of the steps identified above fails. |  |
| **Post-conditions** | The network slice management service consumer obtained the network slice management data. |  |
| **Traceability** | REQ-PRO\_NSI-FUN-7 |  |

### 5.1.15 Exposure of network slice management capability

| Use case stage | Evolution/Specification | <<Uses>> Related use |
| --- | --- | --- |
| **Goal** | Enable authorized network slice management service consumer to obtain certain management capability to manage the network slice instance (e.g., provisioning) through the exposure interface. |  |
| **Actors and Roles** | Network slice management service consumer. For example, CSP providing NSaaS plays the role of network slice management service consumer. |  |
| **Telecom resources** | Network slice instance  Network slice management service provider. For example, NSMF plays the role of network slice management service provider. |  |
| **Assumptions** | The network slice management service consumer is authorized to obtain the allowed management capability from the network slice management service provider according to the pre-defined agreements. |  |
| **Pre-conditions** | Level of management exposure has been agreed upon between the network slice management service provider and the network slice management service consumer. |  |
| **Begins when** | The network slice management service consumer wants to obtain the network slice management capability. |  |
| **Step 1 (M)** | The network slice management service consumer sends a request to the network slice management service provider to obtain the network slice management capability.  The information indicating which specific management capability needs to be obtained may be included in the request. |  |
| **Step 2 (M)** | The network slice management service provider provides the required management capability to the network slice management service consumer. |  |
| **Ends when** | All the steps identified above are successfully completed. |  |
| **Exceptions** | One of the steps identified above fails. |  |
| **Post-conditions** | The network slice management service consumer obtained the allowed network slice management capability. |  |
| **Traceability** | REQ-PRO\_NSI-FUN-1, REQ-PRO\_NSI-FUN-3, REQ-PRO\_NSI-FUN-6 |  |

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| **Start of 2nd modification** |

### 5.1.22 Network slice resource capacity planning

| Use case stage | Evolution/Specification | <<Uses>> Related use |
| --- | --- | --- |
| **Goal** | To calculate capacity of network slice instances and network slice subnet instances. |  |
| **Actors and Roles** | Network slice management service consumer. For example, NSMF or NSSMF plays the role of network slice management service consumer. |  |
| **Telecom resources** | Network slice instance  Network slice subnet instance Network slice management service provider. For example, NSMF or NSSMF plays the role of network slice management service provider. |  |
| **Assumptions** | The Network network slice management service consumer has decided to perform network slice resource capacity optimization process. |  |
| **Pre-conditions** | Network slice resource capacity optimization objectives are set by the network slice management service consumer. |  |
| **Begins when** | The network slice management service consumer requests resource capacity planning of the NSIs and/or NSSIs when the pre-set resource optimization objectives need to be satisfied. |  |
| **Step 1 (M)** | The network slice management service provider obtains information needed for the optimization process such as slice provisioning requirements, existing active or non-active NSI and/or NSSI resource information, and performance measurement data by requesting feasibility check operation. |  |
| **Step 2 (M)** | The network slice management service provider performs resource optimization process based on the information obtained in Step 1. The goal of the process is to find an optimal capacity availability against the target objective |  |
| **Step 3 (M)** | The network slice management service provider proceeds with network slice (NSI and/or NSSI) provisioning or modification processes until it meets the resource capacity optimization objective. | Network slice instance creation or modification/network slice subnet instance creation or modification use cases |
| **Step 4 (M)** | The network slice management service provider updates capacity availability information after provisioning or modification processes. |  |
| **Ends when** | The capacity resource planning ends when it meets the optimization objective. |  |
| **Exceptions** | One of the mandatory steps fails. |  |
| **Post-conditions** | Capacity planning policy for either provisioning or modification is generated. |  |
| **Traceability** | REQ-PRO\_NSSI-FUN-3, REQ-PRO\_NSI-FUN-9 |  |

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| **End of modifications** |