**3GPP TSG-SA5 Meeting #143-e *S5-223655***

**, , 9th May 2022 - 17th May 2022**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **28.531** | **CR** | **0115** | **rev** | **-** | **Current version:** | **17.3.0** |  |
|  | | | | | | | | |
| *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 | **X** | Core Network | **X** |

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| ***Title:*** | Rel-17 TS 28.531 Update operations of deallocateNsi, deallocateNssi | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia, Nokia Shanghai Bell | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eNETSLICE\_PRO | | | | |  | ***Date:*** | | | 2022-05-18 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | Return in deallocateNsi/deallocateNssi is not correct | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Fix incorrect return in deallocateNsi and deallocateNssi. | | | | | | | | |
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| ***Consequences if not approved:*** | | Incorrect/incomplete standards is not implementable | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 9.1.1.3, 9.2.1.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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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| **1st Change** |

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| **Next Change** |

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| **Next Change** |

9.1.1.3 Operation deallocateNsi

This operation deallocate a service profile in an NSI. The provider may terminate the requested NSI or modify the requested NSI without termination to satisfy the request.

**Table 9.1.1.3-1: Mapping of IS operation input parameters to SS equivalents (HTTP DELETE)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **IS operation parameter name** | **SS parameter location** | **SS parameter name** | **SS parameter type** | **Qualifier** |
| networkSliceDN | request body | n/a | Resource | M |
| serviceProfileId | Request body | n/a | Resource | M |

**Table 9.1.1.3-2: Mapping of IS operation output parameters to SS equivalents (HTTP DELETE)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **IS operation parameter name** | **SS parameter location** | **SS parameter name** | **SS parameter type** | **Qualifier** |
| status | response status codes | n/a | n/a | M |
| response body | error | ErrorResponse | O |

The message flow for deallocation is as follows:

1. The MnS consumer sends a HTTP DELETE request to the MnS producer.

- The target URI is equal to the concatenation of URI of the parent resource and the resource (in this case ServiceProfile) to be deleted.

- The message body shall contain the networkSliceDN identifying the NetworkSlice MOI.

2. The MnS producer sends a HTTP DELETE response to the MnS consumer.

- On success of terminating the NetworkSlice Instance, "204 No content" shall be returned.

- On success of modification of the NetworkSlice Instance, "212 Resource Not Deleted" shall be returned.

- On failure, an appropriate error code shall be returned. The response message body may provide additional error information.

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| **Next Change** |







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| **Next Change** |

9.2.1.3 Operation deallocateNssi

This operation deallocate a slice profile in an NSSI. The provider may terminate the requested NSSI or modify the requested NSSI without termination to satisfy the request.

**Table 9.2.1.3-1: Mapping of IS operation input parameters to SS equivalents (HTTP DELETE)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **IS operation parameter name** | **SS parameter location** | **SS parameter name** | **SS parameter type** | **Qualifier** |
| networkSliceSubnetDN | request body | n/a | Resource | M |
| sliceProfileId | request body | n/a | Resource | M |

**Table 9.2.1.3-2: Mapping of IS operation output parameters to SS equivalents (HTTP DELETE)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **IS operation parameter name** | **SS parameter location** | **SS parameter name** | **SS parameter type** | **Qualifier** |
| status | response status codes | n/a | n/a | M |
| response body | error | ErrorResponse | O |

The message flow for deallocation is as follows:

1. The MnS consumer sends a HTTP DELETE request to the MnS producer.

- The message body shall contain the networkSliceSubnetDN identifying the NetworkSliceSubnet MOI.

2. The MnS producer sends a HTTP DELETE response to the MnS consumer.

- On success of terminating the NetworkSliceSubnet Instance, "204 No content" shall be returned.

- On success of modification of the NetworkSliceSubnet Instance, "212 Resource Not Deleted" shall be returned.

- On failure, an appropriate error code shall be returned. The response message body may provide additional error information.

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| **End of Changes** |