**3GPP TSG-SA5 Meeting #130e *S5-202193***

**e-meeting 20-28 April 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **28.531** | **CR** | **0047** | **rev** | **-** | **Current version:** | **16.5.0** |  |
|  | | | | | | | | |
| *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:*** | Clarification on network slice related identifiers | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI16 | | | | |  | ***Date:*** | | | 2020-04-28 |
|  |  | | | |  | |  | | |  |
| ***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)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | There are three concepts which need clarifications:  - Network Slice  - Network Slice Instance  - NSI ID  Potential confusion may be caused by different network slice related identifiers. | | | | | | | | |
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| ***Summary of change:*** | | Clarify the identifiers for network slice management purpose and Network Slice signaling purpose. | | | | | | | | |
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| ***Consequences if not approved:*** | | Misleading identifiers may lead to incorrect implementation. | | | | | | | | |
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| ***Clauses affected:*** | | 4.6 | | | | | | | | |
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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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| **1st Change** |

## 4.6 General information for network slice related identifiers

There are following network slice related identifiers which serve different purposes:

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| **Identifier** | **Description** |
| **Identifiers for network slice management purpose** | |
| **Identifier of NS Instance** | To identify a NetworkSlice instance, DN of NetworkSlice IOC (i.e. the objectinstance attribute) is the management identifier of that NetworkSlice instance, see TS 28.541 [6]. |
| **Identifier of NSS Instance** | To identify a NetworkSliceSubnet instance, DN of NetworkSliceSubnet IOC (i.e. the objectinstance attribute) is the management identifier of that NetworkSliceSubnet instance, see TS 28.541 [6]. |
| **Identifiers for Network Slice signaling purpose** | |
| **NSI ID** | NSI ID is only for 5GC signaling use, i.e. to identify Core Network part of a Network Slice instance when multiple Network Slice instances of the same Network Slice are deployed, and there is a need to differentiate between them in the 5GC, see clause 3.1 of TS 23.501 [10]. The NRM attribute cNSIIdList of NRFFunction and NSSFFunction, see TS 28.541 [6], is a list for NSI ID(s). |
| **S-NSSAI** | To identify Network Slice. Referred to TS 23.501 [10] and TS 38.300 [11]. NRM attribute sNSSAIList of ServiceProfile contained by instance of NetworkSlice IOC identifies the S-NSSAI(s) supported by the corresponding Network Slice, see TS 28.541 [6]. |
| **PLMN ID** | Represents PLMN identifier. |

The NSI ID and S-NSSAI are configured by the management system.

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| **End of Change** |