**3GPP TSG-SA5 Meeting #132e *S5-204102rev1***

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

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **28.530** | **CR** | **0028** | **rev** | **1** | **Current version:** | **16.2.0** |  |
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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 28.530 Replacement of MF with manged function in the Slice profile description and addition of a corresponding definition | | | | | | | | | |
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| ***Source to WG:*** | NEC | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI16 | | | | |  | ***Date:*** | | | 5/08/2020 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | The abbreviation term “MF” used to refer to “Managed Function” in the Slice profile description is inconsistent with the rest of document and has not been explicitly defined or listed as an acronym in this, or other relevant specifications of the 28.5xx series. | | | | | | | | |
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| ***Summary of change:*** | | 1. Change the term “MF” into “managed function” in the description of Slice profile, 2. Add “managed function” definition. | | | | | | | | |
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| ***Consequences if not approved:*** | | It could lead to potential confusion; for example with Management Function (MnF) specially by readers outside SA5. | | | | | | | | |
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| ***Clauses affected:*** | | 3.1, 4.6.1 | | | | | | | | |
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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:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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| **Start of 1st modification** |

# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non‑specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2] 3GPP TS 22.261 "Service requirements for next generation new services and markets".

[3] 3GPP TS 23.501: " System Architecture for the 5G system".

[4] 3GPP TS 38.401 "NG-RAN; Architecture description".

[5] 3GPP TS 28.531: "Management and orchestration; Provisioning".

[6] 3GPP TS 28.541: "Management and orchestration ; 5G Network Resource Model (NRM); Stage 2 and stage3".

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| **Start of 2nd modification** |

# 3 Definitions and abbreviations

## 3.1 Definitions

For the purposes of the present document, the terms and definitions given in 3GPP TR 21.905 [1] and the following apply. A term defined in the present document takes precedence over the definition of the same term, if any, in 3GPP TR 21.905 [1].

**Managed function**: an entity of 3GPP system (e.g., network functionunder the management of the 3GPP management system.

**network slice:** a logical network that provides specific network capabilities and network characteristics, supporting various service properties for network slice customers.

NOTE 1: NetworkSlice Information Object Class (IOC) (refer to TS 28.541 [6]) is used to model network slice.

NOTE 2: Represent network slice defined in TS 23.501 [3] with added service properties.

**NetworkSlice instance:** A Managed Object Instance (MOI) of NetworkSlice IOC.

NOTE 3: NetworkSlice instance represents service view of a network slice which exposes the root NetworkSliceSubnet instance .

**network slice subnet:** a representation of a set of network functions and the associated resources (e.g. compute, storage and networking resources) supporting network slice.

NOTE 4: NetworkSliceSubnet IOC (refer to TS 28.541 [x]) is used to model network slice subnet which may include core network functions and/or RAN network functions and/or other network slice subnets. The network slice instance defined in TS 23.501 [3] can be reflected via the NetworkSliceSubnet IOC and the allocated resources.

**NetworkSliceSubnet instance:** A Managed Object Instance (MOI) of NetworkSliceSubnet IOC.

**Service Level Specification (SLS) :** a set of service level requirements associated with a Service Level Agreement (SLA) to be satisfied by a network slice.

Note: Void

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| **Start of 3rd modification** |

### 4.6.1 Slice profile

The network slice subnet has an associated set of requirements (e.g. those derived from communication service requirements) that are applicable to the network slice subnet constituents, such set is called Slice Profile. TN requirements (e.g. set of QoS attributes for the links interconnecting network slice subnet constituent managed functions) is an example of requirements that may be included in the Slice Profile. The slice profile may be common (applicable to all network slice subnet constituents, regardless of their types) or specific (applicable to only AN managed function or only to CN managed function network slice subnet constituents).

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| **End of modifications** |