**3GPP TSG-SA5 Meeting #132e S5-204257**

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

**Source: Huawei**

**Title: Add concepts**

**Document for: Approval**

**Agenda Item: 6.6.4 Study on network slice management enhancements**

# 1 Decision/action requested

***The group is asked to approve the proposal.***

# 2 References

[1] 3GPP TR 28.811 v0.0.0: “Network Slice Management Enhancement”

# 3 Rationale

This contribution adds concepts related to network slice management.

References for the concept definitions are also added.

# 4 Detailed proposal

This contribution proposes to make the following changes in [1].

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| **1st Change** |

# 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 TS 23.501: "System architecture for the 5G System (5GS); Stage 2"

[2] 3GPP TS 28.541: "5G Network Resource Model (NRM); Stage 2 and stage 3"

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

[4] 3GPP TS 28.530: "Management and orchestration; Concepts, use cases and requirements"

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| **2nd Change** |

# 4 Concepts and overview

## 4.1 Network slice management terms

The following terms are defined by SA2 in 3GPP specifications

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| **Term** | **Reference** | **Definition** |
| Network Slice | TS 23.501 [1] | A logical network that provides specific network capabilities and network characteristics*.* |
| Network Slice instance | TS 23.501 [1] | A set of Network Function instances and the required resources (e.g. compute, storage and networking resources) which form a deployed Network Slice. |
| NSI ID | TS 23.501 [1] | An identifier for identifying the 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. |

The following terms are defined by SA5 in 3GPP specifications

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| **Term** | **Reference** | **Definition** |
| network slice | TS 28.530 [4] | A logical network that provides specific network capabilities and network characteristics, supporting various service properties for network slice customers. |
| <<InformationObjectClass>> NetworkSlice | TS 28.541 [2] | This IOC represents the properties of a network slice instance in a 5G network. |
| NetworkSlice instance | TS 28.530 [4] | A Managed Object Instance (MOI) of NetworkSlice IOC. |
| NetworkSlice identifier | TS 28.531 [3] | Represent the management identifier of network slice instance. Management identifier of network slice instance is defined in TS 28.541 as objectinstance attribute of NetworkSlice IOC. |
| cNSIIdList | TS 28.541 [2] | It is a set of NSI ID. NSI ID is an identifier for identifying the 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. |
| network slice subnet | TS 28.530 [4] | A representation of a set of network functions and the associated resources (e.g. compute, storage and networking resources) supporting network slice. |
| <<InformationObjectClass>> NetworkSliceSubnet | TS 28.541 [2] | This IOC represents the properties of a network slice subnet instance in a 5G network. |
| NetworkSliceSubnet instance | TS 28.530 [4] | A Managed Object Instance (MOI) of NetworkSliceSubnet IOC. |
| NetworkSliceSubnet identifier | TS 28.531 [3] | Represent the management identifier for a network slice subnet instance. Management identifier of network slice subnet instance is defined in TS 28.541 as objectinstance attribute of NetworkSliceSubnet IOC. |

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| **End of changes** |