**3GPP TSG-SA5 Meeting #143-e *S5-223243***

**e-meeting, 9-17 May 2022**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **28.531** | **CR** | **0113** | **rev** | **-** | **Current version:** | **17.3.0** |  |
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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 |  | Core Network | **X** |

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| ***Title:*** | Adding procedure for network service priority management | | | | | | | | | |
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| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eNETSLICE\_PRO | | | | |  | ***Date:*** | | | 2022-4-20 |
|  |  | | | |  | |  | | |  |
| ***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)* | |
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| ***Reason for change:*** | | There is no procedure for how Management interaction with NFV MANO for network service priority use case is fulfilled.  DraftCR (S5-222280) in SA5#142e suggested to remove this use case. However the current specs (both in SA5 and ETSI NFV) already supported this use case. | | | | | | | | |
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| ***Summary of change:*** | | Adding a new procedure for Management interaction with NFV MANO for network service priority. | | | | | | | | |
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| ***Consequences if not approved:*** | | Although the use case and related requirements are supported by the spec, the solution is not clear, this may lead to different implementations. | | | | | | | | |
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| ***Clauses affected:*** | | 2, new 7.x | | | | | | | | |
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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** |

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 28.525: "Telecommunication management; Life Cycle Management (LCM) for mobile networks that include virtualized network functions; Requirements".

[3] ETSI GS NFV-IFA 013 (V2.4.1) (2018-02): "Network Function Virtualisation (NFV); Release 2; Management and Orchestration; Os-Ma-nfvo reference point - Interface and Information Model Specification".

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

[5] 3GPP TS 22.261 "Service requirements for next generation new services and markets".

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

[7] 3GPP TS 28.526: "Life Cycle Management (LCM) for mobile networks that include virtualized network functions; Procedures".

[8] 3GPP TS 28.532: "Management and orchestration; Generic management services".

[9] GSMA NG.116 Generic Network Slice Template v1.0 (2019-05-23) - [https://www.gsma.com/newsroom/wp-content/uploads//NG.116-v1.0-4.pdf](https://www.gsma.com/newsroom/wp-content/uploads/NG.116-v1.0-4.pdf).

[10] 3GPP TS 23.501: "Technical Specification Group Services and System Aspects;System Architecture for the 5G System;Stage 2"

[11] 3GPP TS 38.300: "Technical Specification Group Radio Access Network;NR; NR and NG-RAN Overall Description;Stage 2"

[x] ETSI GS NFV-IFA 014 (V4.2.1) (2021-05): "Network Function Virtualisation (NFV); Release 4; Management and Orchestration; Network Service Templates Specification".

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| **2nd Change** |

## 7.x Procedure of management interaction with NFV MANO for network service priority

The Figure 7.x-1 illustrates the procedure of management interaction with NFV MANO for network service priority.



1. Network provisioning management service provider receives a CreateMOI requrest for SubNetwork IOC from a consumer. In the request, the priority is assigned by providing the value to the priorityLabel attribute.

2. If the sub-network to be created contains virtualisation part (i.e. VNF or VL), Network provisioning management service provider chooses a proper NSD deployment flavour with appropriate priority (see clause 6.3.2.2 in [x] ) according to the value of priorityLabel attribute in the CreateMOI requrest. Network provisioning management service provider invokes the NS instantiation procedures to create a NS instance.

Note: NS instantiation procedure is described in TS 28.526 [7].

3. For each constituent NF, Network provisioning management service provider invokes NF Creation Procedure as described in clause 7.10.

4. The Network provisioning management service provider sends the response to the consumer with DN of MOI for the created sub-network.

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| **End of change** |