**3GPP TSG- Meeting #**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  |  | **CR** |  | **rev** | **1** | **Current version:** |  |  |
|  | | | | | | | | |
| *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:*** |  | | | | | | | | | |
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| ***Source to WG:*** |  | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** |  | | | | |  | ***Date:*** | | |  |
|  |  | | | |  | |  | | |  |
| ***Category:*** |  |  | | | | | ***Release:*** | | |  |
|  | *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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | This is to move normative stage 3 to Forge for the rest of YAML files. Also add the solution set reference as endorsed in DP S5-242202. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Delete the YAML code from word spec.  Add the solution set reference as endorsed in DP S5-242202. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | May lead to confusion | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | Annex A | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | Revision of S5-242488 | | | | | | | | |

\*\*\* START OF CHANGE \*\*\*

Annex A (normative):  
OpenAPI specification

# A.0 Introduction

This clause describes the capabilities of the service in the structure of the OpenAPI Specification Version 3.0.1 [A9]. The OpenAPI definitions are provided in YAML or JSON format.

The OpenAPI/YAML definitions are specified in 3GPP Forge, refer to clause 4.3 of TS 28.623 [44] for the Forge location. An example of Forge location is: "https://forge.3gpp.org/rep/sa5/MnS/-/tree/Tag\_Rel18\_SA104/".

Directory: OpenAPI

File: TS28532\_ProvMnS.yaml

File: TS28532\_PerfMnS.yam

File: TS28532\_HeartbeatNtf.yaml

File: TS28532\_StreamingDataMnS.yaml

File: TS28532\_FileDataReportingMnS.yaml

# A.1 Provisioning management service

## A.1.0 Introduction

Clause A.1.1 contains the OpenAPI definition of the provisioning MnS which includes the provisioning MnS operations and the provisioning MnS notifications.

Clause A.1.2 provides indications regarding the content of the generic provisioning MnS notifications when the consumer of these notifications supports the ONAP VES API. This content is sent as payload of VES events (see Annex B).

## A.1.1 OpenAPI document "TS28532\_ProvMnS.yaml"

Note that clause A.0 includes the location of TS28532\_ProvMnS.yaml.

## A.1.2 Integration with ONAP VES

Detailed guidelines for integration of provisioning MnS notifications with ONAP VES are provided in Annex B.

# A.2 Void

# A.3 Void

# A.4 Generic performance assurance management service

## A.4.1 Void

## A.4.2 OpenAPI document "TS28532\_PerfMnS.yaml"

Note that clause A.0 includes the location of TS28532\_PerfMnS.yaml.

## A.4.3 Integration with ONAP VES

Detailed guidelines for integration of performance assurance MnS notifications with ONAP VES are provided in Annex B.

# A.5 Heartbeat

### A.5.0 Introduction

Clause A.5.1 contains the OpenAPI definition of the heartbeat management capability.

Clause A.5.2 provides indications regarding the content of the heartbeat management capability notifications when the consumer of these notifications supports the ONAP VES API. This content is sent as payload of VES events (see Annex B).

## A.5.1 OpenAPI document "TS28532\_HeartbeatNtf.yaml"

Note that clause A.0 includes the location of TS28532\_HeartbeatNtf.yaml.

## A.5.2 Integration with ONAP VES

NOTE: Void.

Detailed guidelines for integration of heartbeat notifications with ONAP VES are provided in Annex B.

# A.6 Streaming data reporting management service

## A.6.1 Introduction

Clause A.6.2 contains the OpenAPI specification of the Streaming data reporting MnS.

## A.6.2 OpenAPI document "TS28532\_StreamingDataMnS.yaml"

Note that clause A.0 includes the location of TS28532\_StreamingDataMnS.yaml.

# A.7 File data reporting management service

## A.7.1 Introduction

Clause A.7.2 contains the OpenAPI definition of the File Data Reporting MnS.

Clause A.7.3 provides indications regarding the content of the File Data Reporting MnS notifications when the consumer of these notifications supports the ONAP VES API. This content is sent as payload of VES events (see Annex B).

## A.7.2 OpenAPI document "TS28532\_FileDataReportingMnS.yaml"

Note that clause A.0 includes the location of TS28532\_FileDataReportingMnS.yaml.

## A.7.3 Integration with ONAP VES

Detailed guidelines for integration of file data reporting MnS notifications with ONAP VES are provided in Annex B.

\*\*\* Next CHANGE \*\*\*