ETSI TS 128 522 V16.0.0 (2020-08)



LTE; Telecommunication management; Performance Management (PM) for mobile networks that include virtualized network functions; Stage 2 (3GPP TS 28.522 version 16.0.0 Release 16)



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650 Route des Lucioles F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C Association à but non lucratif enregistrée à la Sous-Préfecture de Grasse (06) N° 7803/88

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Foreword

This Technical Specification has been produced by the 3rd Generation Partnership Project (3GPP).

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- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
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Introduction

The present document is part of a TS-family covering the 3rd Generation Partnership Project Technical Specification Group Services and System Aspects, Telecommunication Management; as identified below:

- TS 28.520: Telecommunication management; Performance Management (PM) for mobile networks that include virtualized network functions; Requirements.
- TS 28.521: Telecommunication management; Performance Management (PM) for mobile networks that include virtualized network functions; Procedures.
- TS 28.522: Telecommunication management; Performance Management (PM) for mobile networks that include virtualized network functions; Stage 2.
- TS 28.523: Telecommunication management; Performance Management (PM) for mobile networks that include virtualized network functions; Stage 3.

1 Scope

The present document is the Performance Management stage 2 specification for mobile networks that include virtualized network functions.

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 32.412: "Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Information Service (IS)".
- [3] 3GPP TS 28.520: "Telecommunication management; Performance Management (PM) for mobile networks that include virtualized network functions; Requirements".
- [4] ETSI GS NFV IFA 008 V2.1.1 (2016-10): "Network Functions Virtualisation (NFV); Management and Orchestration; Ve-Vnfm reference point – Interface and Information Model Specification".
- [5] 3GPP TS 28.500: "Telecommunication management; Management concept, architecture and requirements for mobile networks that include virtualized network functions".
- [6] 3GPP TS 32.302: "Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP); Information Service (IS)"

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], in 3GPP TS 28.500 [3] 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] or in 3GPP TS 28.500 [3].

3.2 Abbreviations

For the purposes of the present document, the abbreviations given in 3GPP TR 21.905 [1], in 3GPP TS 28.500 [3] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in 3GPP TR 21.905 [1] or in 3GPP TS 28.500 [3].

4 General descriptions

For the stage 2 solution of Performance Management for mobile networks that include virtualized network functions over Itf-N, the PM IRP IS (TS 32.412 [2]) is applicable. For the purpose of notification, Notification IRP [6] is needed.

5 Information Model Definition

5.1 Itf-N

For Performance Management for 3GPP Network Function over Itf-N, the IOCs defined by PM IRP specified in clause 6 of 3GPP TS 32.412 [2] are reused.

5.2 Os-Ma-nfvo

None.

5.3 Ve-Vnfm-em

For Ve-Vnfm-em Performance Management, the information elements and notifications which are specified in subclause 9.7 of ETSI GS NFV-IFA 008 [4] for VNF Performance Management shall be used.

5.4 Ve-Vnfm-vnf

None

6 Interface Definition

6.1 Itf-N

For the stage 2 solution of Performance Management for mobile networks that include virtualized network functions over Itf-N, the operations and notifications defined by PM IRP specified in 3GPP TS 32.412 [2] are reused.

6.2 Os-Ma-nfvo

None.

6.3 Ve-Vnfm-em

For Ve-Vnfm-em performance management, the operations defined in clause 7.4 of ETSI GS NFV-IFA 008 [4] for VNF Performance Management interface shall be used, and the information elements and notifications which are specified in subclause 9.7 of ETSI GS NFV-IFA 008 [4] for VNF performance management shall be used.

6.4 Ve-Vnfm-vnf

None.

Annex A (informative): Change history

	Change history									
Date	Meeting	TDoc	CR	Rev	Cat	Subject/Comment	New version			
2017-06	SA#76				I	Upgrade to change control version	14.0.0			
2017-06	SA#80	SP-180417	0001	1	BS	Scope extension to cover RAN	15.0.0			
2020-07	-	-	-	-	- I	Update to Rel-16 version (MCC)	16.0.0			

History

Document history								
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