**3GPP TSG- Meeting #S5-244892**

**Maastricht, The Netherlands, 19 - 23 August 2024 Revision of S5-244130**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  |  | **CR** |   **0053** | **rev** | **-** | **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:***  | Rel-18 CR TS 28.310 Reference to new TS 28.111 |
|  |  |
| ***Source to WG:*** | Ericsson-LG Co., LTD |
| ***Source to TSG:*** | S5 |
|  |  |
| ***Work item code:*** | eSBMA |  | ***Date:*** |  |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***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 canbe 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-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19)* |
|  |  |
| ***Reason for change:*** | TS 28.545 is not valid for release 18 and future releases and cannot be referred to from this TS.  |
|  |  |
| ***Summary of change:*** | Remove obsolite reference and update the list with new TS. |
|  |  |
| ***Consequences if not approved:*** | Error will remain in the document. |
|  |  |
| ***Clauses affected:*** | 2, 4.2, 5.1.2.5 |
|  |  |
|  | **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:*** |

|  |
| --- |
| Candidate for block approval |

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|  |  |
| ***This CR's revision history:*** |  |

***First 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] ETSI ES 203 228: "Environmental Engineering (EE); Assessment of mobile network energy efficiency".

[3] ETSI ES 202 336-1 V1.2.1: "Environmental Engineering (EE); Monitoring and Control Interface for Infrastructure Equipment (Power, Cooling and Building Environment Systems used in Telecommunication Networks) Part 1: Generic Interface".

[4] ETSI ES 202 336-12 V1.1.1: "Environmental Engineering (EE); Monitoring and control interface for infrastructure equipment (power, cooling and building environment systems used in telecommunication networks); Part 12: ICT equipment power, energy and environmental parameters monitoring information model".

[5] 3GPP TS 28.550: "Management and orchestration; Performance assurance".

[6] 3GPP TS 28.531: "Management and orchestration; Provisioning".

[7] Void

[8] 3GPP TS 32.432: "Telecommunication management; Performance measurement: File format definition".

[9] 3GPP TS 32.435: "Telecommunication management; Performance measurement; eXtensible Markup Language (XML) file format definition".

[10] 3GPP TS 32.436: "Telecommunication management; Performance measurement: Abstract Syntax Notation 1 (ASN.1) file format definition".

[11] 3GPP TS 28.541: "Management and orchestration; 5G Network Resource Model (NRM); Stage 2 and stage 3".

[12] 3GPP TS 38.401: "NG-RAN; Architecture description".

[13] 3GPP TS 38.300: "NR; Overall description; Stage-2".

[14] 3GPP TR 37.816: "Study on RAN-centric data collection and utilization for LTE and NR".

[15] 3GPP TS 28.552: "Management and orchestration; 5G performance measurements".

[16] 3GPP TS 28.532: "Management and orchestration; Generic management services".

[17] 3GPP TS 32.551: "Energy Saving Management (ESM); Concepts and requirements".

[18] 3GPP TS 28.554: "Management and orchestration; 5G end to end Key Performance Indicators (KPI)".

[19] ETSI GR NFV-IFA 015 V3.4.1 (2020-06): "Network Functions Virtualisation (NFV) Release 3; Management and Orchestration; Report on NFV Information Model".

[20] ETSI GR NFV 003 V1.6.1 (2021-03): "Network Functions Virtualisation (NFV); Terminology for Main Concepts in NFV".

[21] 3GPP TS 28.530: " Management and orchestration; Concepts, use cases and requirements".

[22] 3GPP TS 28.312: "Management and orchestration; Intent driven management services for mobile networks".

[23] ETSI ES 202 706-1 V1.7.1 (2022-08): "Environmental Engineering (EE); Metrics and measurement method for energy efficiency of wireless access network equipment; Part 1: Power consumption - static measurement method".

[24] 3GPP TS 28.530: " Management and orchestration; Concepts, use cases and requirements".

[25] ETSI GS NFV-IFA 027 (V4.3.1) (2022-06): "Network Functions Virtualisation (NFV) Release 4; Management and Orchestration; Performance Measurements Specification".

[26] ETSI ES 202 336-12 (V1.2.1) (2019-02): "Environmental Engineering (EE); Monitoring and control interface for infrastructure equipment (power, cooling and building environment systems used in telecommunication networks); Part 12: ICT equipment power, energy and environmental parameters monitoring information model".

[X] 3GPP TS 28.111: "Fault management".

***First change***

## 4.2 Management services

The management services required for the assessment of the energy efficiency of 5G networks are listed below:

- Performance management services (see [5] – clause 4.3):

- Measurement job control service for NF.

- Performance data file reporting service for NF.

- Performance data streaming service for NF.

- Management services for network function provisioning (cf. [6] – clause 6.3):

- Provisioning for NF.

- Provisioning data report for NF.

- Management services for Fault management(cf. TS 28.111 [X]):

***Next change***

#### 5.1.2.5 PEE fault management

Use cases specified in TS 28.111 [X]– clause 6 (" Solution description") – apply for PEE fault management.

Traceability: REQ-PEEFSS-FUN-020.

***End of changes***