**3GPP TSG-SA5 Meeting #162 *S5-254034***

Goteborg, Sweden, 25 - 29 August 2025

**Source: Huawei**

**Title: Pseudo-CR on TR 28.881 Add new issue for enhancement of radio network performance assurance scenarios**

**Document for: Approval**

**Agenda item: 6.20.1**

**Spec: 3GPP TR 28.881**

**Version: V0.0.0**

**Work Item: FS\_IDMS\_MN\_Ph4**

**Comments**

This contribution proposes to add a new issue for the Enhancement of radio network performance assurance scenarios based on SP-250861.

This pCR related to WT-1.1 and WT-6.1.

**Proposed Changes**

\* \* \* 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".

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

[Y] 3GPP TS 38.304: "NR; User Equipment (UE) procedures in Idle mode and in RRC Inactive state".

[Z] 3GPP TS 38.331: "NR; Radio Resource Control (RRC); Protocol specification".

\* \* \* Next Change \* \* \* \*

## 4.X Issue#X: Enhancement of radio network performance assurance scenarios

### 4.X.1 Description

In 3GPP TS 28.312 [X], the existing use case and requirements for intent containing an expectation on radio network performance to be assured and intent containing an expectation for RAN energy saving are described in clause 5.1.5 and clause 5.1.7. The RadioNetworkExpectation is defined in clause 6.2.2.1.1 to represent MnS consumer's expectations for radio network delivering and performance assurance. However, following scenarios are not supported:

- MnS consumer expresses radio network performance assurance expectation for a specific RAN feature (e.g., RedCap) specific For example, MnS consumer may express the radio network performance targets (e.g. weakRSRPRatioTarget, highUlPrbLoadRatioTarget and aveULRANUEThptTarget) to be assured for RedCap UEs in the specified areas. The detailed RAN feature need further investigation on TS 38.304 [Y] and TS 38.331[Z].

### - MnS consumer expresses relative values for several performance targets for the specified areas. For example, MnS consumer may express the expectation on RAN energy consumption reduction ratio (as percentage) for RAN SubNetwork that the intent expectation is applied to illustrates the difference between the energy consumption before and after performing energy saving actions.4.X.2 Potential requirements

**REQ-IDMS\_RadioNetworkIntent -CON-1:** The intent driven MnS producer for radio network should have capabilities enabling the MnS consumer to express radio network performance assurance expectations for a specific RAN feature

### 4.X.3 Potential solution

TBD

### 4.X.4 Evaluation of potential solutions

TBD

\* \* \* End of Changes \* \* \* \*