**3GPP TSG-SA5 Meeting #134e *S5-206126rev1***

**e-meeting 16th - 25th November 2020**

**Source: CATT**

**Title: pCR Add concepts and overview of ProSe charging in 5GS**

**Document for: Approval**

**Agenda Item: 7.5.3**

# 1 Decision/action requested

***The group is asked to discuss and agree on the proposal.***

# 2 References

[1] 3GPP TR 32.846: “Study on charging aspects of Proximity-based Services in 5GS”.

# 3 Rationale

This contribution provides concepts and overview for the study.

# 4 Detailed proposal

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| **1st Modified Section** |

# 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 23.287: "Architecture enhancements for 5G System (5GS) to support Vehicle-to-Everything (V2X) services".

[3] 3GPP TR 23.752: “Study on system enhancement for Proximity based Services (ProSe) in the 5G System (5GS)”.

[4] 3GPP TS 32.277: "Proximity-based Services (ProSe) charging".

[x] 3GPP TS 23.303: "Proximity-based services (ProSe); Stage 2".

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| **Next Modified Section** |

# 4 Concepts and overview

Proximity-based Services (ProSe) are services that can be provided by the 3GPP system based on UEs being in proximity to each other. Proximity-based Services has been developed in EPS to support both commercial and public safety services. Proximity Services (specifically the direct communication) has been enhanced to support V2X services over LTE.

In 5GS, the 3GPP system enablers for ProSe include the following functions:

- Direct Discovery;

- Direct Communication;

- UE-to-Network Relay;

- UE-to-UE Relay;

The present document aims to describe the converged charging for the Proximity-based Services (ProSe) in 5GS, based on the stage 2 description of ProSe in TS 23.303 [x].

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| **End of Modified Sections** |