**3GPP TSG-SA3 Meeting #115AdHoc-e *S3-241332***

Electronic meeting, online, 15 - 19 April 2024

**Source: Huawei, HiSilicon**

**Title: New assumption on try to reuse HeNB scheme as much as possible.**

**Document for: Approval**

**Agenda Item: 5.10**

# 1 Decision/action requested

***Approve to include the PCR for the scope of TR33.700-32***

# 2 References

[1]

# 3 Rationale

It was agreed in the SID that the Security of Home NodeB will be reused as much as possible, thus the architecture listed in the TR for checking is valuable. Meanwhile, the study will go into the detail on whether all the functions are needed and what are the names of the functions in 5GS, thus we propose to leave the picture as it is and capture an Editor’s Note to highlight the potential impact.

# 4 Detailed proposal

pCR

\*\*\* BEGINNING OF 1st CHANGES \*\*\*

# 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".

[aa] 3GPP TS 33.320: " Security of Home Node B (HNB) / Home evolved Node B (HeNB) ".

\*\*\*END OF 1st CHANGES\*\*\*

\*\*\* BEGINNING OF 2nd CHANGES \*\*\*

## X Security Assumptions

The security architecture defined in clause 4.1 in TS 33.320[aa] can be reused as basis for this study. Whether all components are all necessary will be studied in the present document.

UE

H(e)NB

SeGW

insecure link

Operator’s security domain(s)

H(e)NB-GW

H(e)MS

H(e)MS

AAA Server/HSS

L-GW

Figure x.1.1: System Architecture of H(e)NB defined in TS 33.320[aa]

Whether all components are all necessary and what are the function names in 5G will be studied in the present document.

\*\*\*END OF CHANGES\*\*\*