**3GPP TSG SA WG3 Meeting #98e draft\_S3-200162-r2**

**e-meeting, 2-6 March 2020** revision S3-20abcd

**Source: Huawei, HiSilicon Lenovo, Motorola Mobility, Ericsson, Nokia**

**Title: Adding privacy procedures for V2X groupcast communication.**

**Document for: Approval**

**Agenda Item: 3.15**

1 Decision/action requested

2 References

[1] 3GPP TR 33.836: “Study on Security Aspects of 3GPP support for Advanced V2X Services”, V0.5.0

[2] 3GPP TS 33.536: “Security aspects of 3GPP support for advanced Vehicle-to-Everything (V2X) services”

3 Rationale

4 Detailed proposal

It is proposed that SA3 agree the below pCR for inclusion in the TS [2].

\*\*\*\*\*\*\*\*\*\* START OF 1st CHANGE \*\*\*\*\*\*\*\*\*\*

5.4 Security for groupcast mode

5.4.3 Procedures

5.4.3.1 Security procedures

There are no security procedures defined for the PC5 bearer for groupcast mode.

5.4.3.2 Privacy procedures

The privacy mechanism defined in TS 33.185 [5] for V2X LTE which is intended to mitigate against the threat of tracking the UE by an attacker based on its used source identities shall be followed.

The UE shall change and randomize its source Layer-2 ID and source IP address (if used) when V2X application indicates that the Application Layer ID has changed. The UE may change and randomize its source Layer-2 ID and source IP address (if used) at other times (e.g. see clause 5.6.1.1 in TS 23.287 [2]). The UE shall provide an indication to the V2X application layer whenever the source Layer-2 ID and/or source IP address are changed.

\*\*\*\*\*\*\*\*\*\* END OF 1st CHANGE \*\*\*\*\*\*\*\*\*\*