3GPP TSG SA WG 1 Meeting 95-e S1-213174

Electronic Meeting, 23 August –2 September 2021

**Title: Reply LS on broadcast of NTN GW or gNB position**

**Response to: LS S1-213189 / R1-2106332 on broadcast of NTN GW or gNB position from RAN1**

**Release: Rel-17**

**Work Item: NR\_NTN\_solutions**

**Source: SA1**

**To: RAN1, SA3**

**Cc: SA3-LI**

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**Attachments: -**

# 1 Overall description

**SA1 thanks RAN1 for the LS. SA1 have the following answers to the 2 questions.**

***Question 1: Is there any security/regulatory aspect that needs to be taken into account if the******NTN-GW/gNB position is broadcasted including any aspects related to accuracy of the position?***

**SA1 have not reviewed laws and regulations in all regions; based on some identified regulations, a general principle is that telecommunication network elements, including gNBs, are considered as Critical Information Infrastructure (CII) (ref: China’s 2016 Cybersecurity Law**[[1]](#footnote-1)**; European Electronic Communications Code EECC**[[2]](#footnote-2)**). These regulations include (amongst other aspects) requirements on preserving the physical security of network infrastructure, which may not differ between NTN GW/gNBs and non-NTN gNBs. Based on the understanding of the regulations, SA1 recommends that SA3 analyse the security implications of distributing information that may be used to calculate the approximate physical location of the NTN-GW/gNB.**

***Question 2:  Is there any security/regulatory aspect that needs to be taken into account if the NTN-GW/gNB position is possible to be derived by the UE with assistance information from the network including any aspects related to accuracy of the position?***

**Based on the understanding of the regulations, SA1 recommends that SA3 further analyse the security implications of distributing assistance information from the network that may be used to calculate the approximate physical location of the NTN-GW/gNB.**

# 2 Actions

**To RAN1 and SA3:**

**ACTION: SA1 asks RAN1 and SA3 to take the above answers into account.**

# 3 Dates of next TSG SA WG 1 meetings

SA1#96e 8-18 Nov 2021 Electronic Meeting

SA1#97e 21-25 Feb 2021 Poland

1. 2016 Cybersecurity Law https://www.chinalawtranslate.com/en/2016-cybersecurity-law/;

   中华人民共和国网络安全法 http://www.cac.gov.cn/2016-11/07/c\_1119867116.htm [↑](#footnote-ref-1)
2. 5G Supplement - to the Guideline on Security Measures under the EECC https://www.enisa.europa.eu/publications/5g-supplement-security-measures-under-eecc [↑](#footnote-ref-2)