**3GPP TSG-RAN WG2 Meeting #115-e R2-21XXXX**

**Online, 9-27 August, 2021**

**Title: [Draft] LS on limited service availability of an SNPN**

**Release: Release 17**

**Work Item: NG\_RAN\_PRN\_enh-Core**

**Source: CMCC [to be RAN2]**

**To: CT1, SA2**

**Cc:**

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**Attachments: None**

**1. Overall Description:**

During RAN2#113\_e meeting, RAN2 had achieved the following agreement relevant to support of emergency services for SNPN:

* **R17 UEs in SNPN Access Mode can camp on an acceptable SNPN cell supporting emergency services to obtain emergency services.**

In RAN2#115\_e meeting, RAN2 agreed to:

* **Introduce a new IE/field to indicate the support of IMS emergency service for SNPN.**

And also, RAN2 discussed the availability of emergency services for R17/R16/R15 UEs. Regarding the R17 SNPN-capable UEs that are not in SNPN Access Mode and R17 Non-SNPN capable UEs. RAN2 tends to reach the following conclusion:

* **The R17 SNPN-capable UEs that are not in SNPN Access Mode and R17 Non-SNPN capable UEs cannot camp on an SNPN cell supporting emergency services to obtain emergency services from that SNPN cell.**

RAN2 would like to ask CT1/SA2 to confirm RAN2’s understanding.

**Question 1:**
Can CT1/SA2 to confirm that the R17 SNPN-capable UEs that are not in SNPN Access Mode and R17 Non-SNPN capable UEs cannot camp on an SNPN cell supporting emergency services to obtain emergency services from that SNPN cell.

RAN2 agreed to introduce a new IE/field to indicate the support of IMS emergency service for SNPN to address the following conclusion from TR 23.700-07, clause 6.23.4:

- if the NG-RAN is shared by more than one network […], the broadcast indicator is related to those networks that supports Emergency Services.

However, RAN2 has not reached consensus yet whether the indication should be per SNPN or per cell.

**Question 2:**

Should the IE/field be signalled per SNPN or per cell? Note that signalling “per SNPN” may result in a different UE behaviour applied to PLMN which is signalled “per cell”

**2. Actions:**

RAN2 respectfully asks CT1/SA2 to answer the above questions.

**3. Date of Next RAN WG2 Meetings:**

RAN2#116-e 1st November - 11th November 2021 Online