3GPP TSG-RAN WG2 #114-e R2-21xxxxx

Electronic meeting, 19th – 27th May, 2021

**Title:** LS onGroup IDs for Network selection (GINs)

**Response to:** -

**Release:** Release 17

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

**Source:** Ericsson (to be RAN2)

**To:** SA2

**Cc:**

**Contact Person:**

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**Attachments:** -

**1. Overall Description:**

RAN2 discussed relevant broadcasting details concerning Group IDs for Network selection (GINs) and identified some ambiguities as further described below.

**1.1 GINs for onboarding and accessing SNPNs with external credentials:**

The following note is captured in the conclusion of TR 23.700-07 (see clause 8.4.1):

NOTE 3: The Group ID(s) in the SIB that UE can use for selecting an O-SNPN are the same as the Group ID(s) in the SIB that the UE uses for SNPN selection as part of KI#1.

However, within RAN2 there are two different interpretations regarding this note:

1. that the same GIN-List is used for both SNPN access with external credentials (i.e., SA2’s KI#1) and for onboarding (i.e. SA2’s KI#4); or
2. that only the GIN encoding/format is the same for both features, but different lists should (potentially) be used for each.

Thus, RAN2 would like to ask the following.

**Question 1a:** Can a common list of GINs be used for both onboarding and SNPN access using external credentials?

**Question 1b:** Can RAN2 assume that higher layers may use different GIN values for each feature?

**1.2 GIN encoding:**

RAN2 observes that as per the current versions of TR 23.700-07 and TS 23.501, there is a discrepancy regarding the encoding used by GINs. On the one hand, TR 23.700-07 concludes in clause 8.1.4 that:

- Group ID as a specific case of SNPN ID reusing SNPN ID encoding in TS 23.003 [15], where:

- Assignment mode 1 indicates self-managed Home SP Group ID values as the NID Value is chosen independently at deployment time.

- Assignment mode 0 indicates Home SP Group ID is globally unique as the NID Value is globally unique. One possibility for ensuring uniqueness is to use IANA PEN as in TS 23.003 [15].

While on the other hand, TS 23.501, clause 5.30.2.2 [4], states:

#### 5.30.2.2 Broadcast system information

NG-RAN nodes which provide access to SNPNs broadcast the following information:

[…]

- List of supported Group IDs for Network Selection (GINs) per SNPN. GIN reuses the NID encoding in TS 23.003 [15] and can be self-managed or globally unique;

[…]

On this matter, RAN2 would therefore like to clarify the discrepancy between the above specifications:

**Question 2:** Can SA2 clarify whether a GIN is encoded:

1. as an SNPN ID (i.e., a PLMN ID plus a NID); or
2. as a NID.

**2. Actions:**

**To SA2 group.**

**ACTION:** RAN2 respectfully asks SA2 to answer the questions above.

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

3GPP RAN2#115-e from 2021-08-16 to 2021-08-27 Electronic Meeting

3GPP RAN2#116-e from 2021-11-01 to 2021-11-12 Electronic Meeting