**3GPP TSG-RAN WG2 Meeting #113 Electronic R2-210XXXX**

**25 January – 05 February 2021**

**Agenda item: 8.16.2**

**Source: Nokia**

**Title: Summary of [AT113-e][031][eNPN] SNPN with subscription or credentials by a separate entity**

**WID/SID: NG\_RAN\_PRN\_enh-Core - Release 17**

**Document for: Decision**

# 1 Introduction

This document is the summary of the following email discussion:

* [AT113-e][031][eNPN] SNPN with subscription or credentials by a separate entity (Nokia)

Scope: Take into account documents submitted to this section, 1st pass: identify what is required to be supported by AS and determine the RAN2 impact, if possible. Identify common views / potential initial agreements, Identify points that need further discussion. Can also gather comments on the need to ask questions to other group.

Intended outcome: Report with agreeable proposals and discussion points (not too many, preferably < 10) for treatment on-line

Deadline: 1st Deadline for Comments: Friday Jan 29 1000 UTC. Other deadline if needed by rapporteur. Report Ready for treatment on-line Feb 3.

## Contact person(s) for each participating company

|  |  |  |
| --- | --- | --- |
| Company | Name | Email address |
| Nokia | Gyorgy Wolfner | gyorgy.wolfner@nokia.com |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

# 2 Discussion

Documents considered during this email discussion (papers submitted to agenda item 8.16.2):

[R2-2100543](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2100543.zip) Overview of RAN2 impacts to support SNPN with 3rd party subscription Nokia, Nokia Shanghai Bell discussion Rel-17 NG\_RAN\_PRN\_enh

[R2-2101717](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2101717.zip) Support SNPN along with credentials owned by an entity separate from the SNPN CMCC discussion Rel-17 NG\_RAN\_PRN\_enh-Core

[R2-2100241](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2100241.zip) Initial Discussion on Credential by a Separate Entity OPPO discussion Rel-17 NG\_RAN\_PRN\_enh-Core

[R2-2100277](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2100277.zip) Consideration on SNPN with Subscription or Credentials by a Separate Entity CATT discussion Rel-17 NG\_RAN\_PRN\_enh-Core

[R2-2100289](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2100289.zip) Discussion of credentials by a separate entity in SNPN China Telecommunication discussion Rel-17

[R2-2100431](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2100431.zip) Consideration on the Separate Entity Supporting ZTE Corporation, Sanechips discussion Rel-17 NG\_RAN\_PRN\_enh-Core

[R2-2100441](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2100441.zip) Access to SNPN with credentials from a different entity Qualcomm Incorporated discussion

[R2-2100490](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2100490.zip) SNPN and Service Provider (SP) separation Ericsson discussion Rel-17 NG\_RAN\_PRN\_enh-Core

[R2-2100634](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2100634.zip) RAN2 impact on support SNPN along with subscription / credentials owned by an entity separate from the SNPN Intel Corporation discussion Rel-17 NG\_RAN\_PRN\_enh-Core

[R2-2100838](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2100838.zip) Support SNPN with subscription or credentials by a separate entity vivo discussion

[R2-2100918](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2100918.zip) SIB info for third party credentials and UE onboarding Sony discussion Rel-17 NG\_RAN\_PRN\_enh-Core

[R2-2101001](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2101001.zip) Discussion on RAN2 impact of supporting SNPN with credentials owned by a separate entity Huawei, HiSilicon, China Telecom discussion Rel-17 NG\_RAN\_PRN\_enh-Core

[R2-2101515](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2101515.zip) Support of SNPN with subscription or credentials by a separate entity LG Electronics discussion Rel-17

## 2.1 Broadcasting related issues

**Q1.1a: Do you agree that an indicator that "access using credentials from a separate entity is supported" should be broadcasted?**

**Q1.1b: Do you agree that the indicator should be broadcasted per SNPN in shared cells?**

**Q1.1c: Do you have a proposal in which SIB the indicator should be broadcasted?**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Company** | **Answer Q1.1a** | **Answer Q1.1b** | **Answer Q1.1c** | **Comments** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**Q1.2a: Do you agree that the Supported Group IDs (GIDs) should be broadcasted?**

**Q1.2b: Do you agree that the Supported Group IDs (GIDs) should be broadcasted per SNPN in shared cells?**

**Q1.2c: Do you have a proposal on the maximum number of Supported Group IDs (GIDs) to be broadcasted?**

**Q1.2d: Do you have a proposal in which SIB the Supported Group IDs (GIDs) should be broadcasted?**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Company** | **Answer Q1.2a** | **Answer Q1.2b** | **Answer Q1.2c** | **Answer Q1.2d** | **Comments** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**Q1.3a: Do you agree that an indicator whether "the SNPN allows registration attempts from UEs that are not explicitly configured to select the SNPN" should be broadcasted?**

**Q1.3b: Do you agree that the indicator should be broadcasted per SNPN in shared cells?**

**Q1.3c: Do you have a proposal in which SIB the indicator should be broadcasted?**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Company** | **Answer Q1.3a** | **Answer Q1.3b** | **Answer Q1.3c** | **Comments** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**Q1.4: Other broadcasting related proposals (e.g. other parameters to be broadcasted) to support SNPN with subscription or credentials by a separate entity?**

|  |  |
| --- | --- |
| **Company** | **Proposal** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

## 2.2 Impacts on cell selection and reselection

**Q2.1: Do you agree that the AS should report to the NAS about the broadcasted parameters listed in Q1.1, Q1.2 and Q1.3?**

|  |  |  |
| --- | --- | --- |
| **Company** | **Answer** | **Comments** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**Q2.2: Do you see any impacts on cell selection or cell reselection (e.g. a need to change suitable cell criteria) to support SNPN with subscription or credentials by a separate entity?**

|  |  |  |
| --- | --- | --- |
| **Company** | **Answer** | **Comments (e.g. details on the impacts)** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

## 2.3 Other issues

**Q3.1: Do you see any impacts on connected mobility to support SNPN with subscription or credentials by a separate entity?**

|  |  |  |
| --- | --- | --- |
| **Company** | **Answer** | **Comments (e.g. details on the impacts)** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**Summary:**

**Rapporteur's Proposal:**

**Q3.2: Other issues that are not covered by previous questions related to support SNPN with subscription or credentials by a separate entity to be discussed in RAN2**

|  |  |
| --- | --- |
| **Company** | **Issue** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

**Summary:**

**Rapporteur's Proposal:**

## 2.4 Proposed questions to other WGs

**Q4: Proposed questions to other WGs related to SNPN with subscription or credentials by a separate entity (please provide only a question if you think it is important to send an LS to other WGs from this RAN2 meeting)**

|  |  |  |
| --- | --- | --- |
| **Company** | **WG(s)** | **Question** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**Summary:**

**Rapporteur's Proposal:**

# 3 Conclusions

## 3.1 Proposals that may be agreed

## 3.2 Proposals/Issues that requires further discussion

## 3.3 Potential questions to other WGs