3GPP TSG-RAN WG2 Meeting #111e R2-2008184

Online, August 17th - 28th *R2-20xxxxx*

**Agenda item: 6.12**

**Source: Nokia**

**Title: Summary of [AT111][104][PRN] Stage 3 Corrections**

**WID/SID: NG\_RAN\_PRN-Core - Release 16**

**Document for: Decision**

# 1 Introduction

This document is the summary of the following email discussion

**[AT111e][104][PRN] Stage 3 Corrections (Nokia)**

Scope: Discuss the CRs in R2-2006634, R2-2006852, R2-2007841, R2-2008114, R2-2006633, R2-2007842, R2-2006853, R2-2007411 and R2-2008016

Initial intended outcome: summary of the offline discussion with e.g.:

  List of CRs that can be agreed as is

  List of CRs that can be agreed with some changes (with an indication of the needed changes)

  List of CRs that require online discussion

  List of CRs that should not be pursued

Initial deadline (for companies' feedback): Wednesday 2020-08-19 07:00 UTC

Initial deadline (for rapporteur's summary in R2-2008184):  Wednesday 2020-08-19 09:00 UTC

CRs listed as "can be agreed as is" in R2-2008184 and not challenged until Wednesday 2020-08-19 13:00 UTC will be declared as agreed by the session chair. For the other ones, the discussion will continue online.

# 2 Discussion

## 2.1 38.304 corrections

### 2.1.1 [R2-2006634](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_111-e/Docs/R2-2006634.zip) Correction on Naming of the List of Forbidden Tracking Areas (CATT)

**Q1.1 Companies are invited to provide their views (including revision proposals) on this CR**

|  |  |
| --- | --- |
| **Company** | **Comment** |
| Huawei | The first change is not correct. According to TS 23.122, "list of 5GS forbidden TAs for roaming" and "list of forbidden tracking areas for roaming" correspond to NG-RAN and E-UTRAN respectively. Therefore, in clause 5.2.4.4, these two wordings are respectively used for the intra-RAT case and inter-RAT case, which is correct and no changes are needed.  (PS. a typo in clause 5.2.4.4 is found: an inter-frequency or inter-frequency cell -> an intra-frequency or inter-frequency cell) |
| CATT | The first change is necessary. Even for NR cell, the naming for forbidden TA list is not used consistently. "list of 5GS forbidden TAs for roaming" is used in 5.2.4.4 while "Forbidden Tracking Areas” is used to determine suitable cell. |

### 2.1.2 [R2-2006852](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_111-e/Docs/R2-2006852.zip) Cell selection and reselection corrections for NPNs (Nokia, Nokia Shanghai Bell)

**Q1.2 Companies are invited to provide their views (including revision proposals) on this CR**

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| --- | --- |
| **Company** | **Comment** |
| Huawei | 1) The first change is not needed. It is captured in clause 5.1.1.2 that “If NAS has selected a CAG and provided this selection to AS, the UE shall search for an acceptable or suitable cell belonging to the selected CAG to camp on”, which is enough. Besides, the similar chapter in 36304 does not mention this either.  2) The change on “inter-RAT” is contradicting the R15 text. Directly adding "Inter-RAT" to the sentence is not correct due to the "list of 5GS forbidden TAs for roaming" issue (same issue as we commented the CATT CR)  3) We prefer not to delete the descriptions related to SNPN AM, because the behavior is not exactly the same with PLMN. |
| CATT | Agree with comments from Huawei on 1) and 3). For 2),may be rewording is needed |

### 2.1.3 [R2-2007841](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_111-e/Docs/R2-2007841.zip) Correction to 38.304 on any cell seletion in NPN (Huawei, HiSilicon)

**Q1.3 Companies are invited to provide their views (including revision proposals) on this CR**

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| --- | --- |
| **Company** | **Comment** |
| Huawei | Agree |
| CATT | Not impact if this CR is not approved. It does not make sense to perform any cell selection for SNPN. All emergency services including emergency call,CMAS/ETWS are not on SNPN cell in R16 |

### 2.1.4 [R2-2008114](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_111-e/Docs/R2-2008114.zip) 38.304 Correction on UE behavior when the best cell is not suitable (vivo, Nokia, Nokia Shanghai Bell)

This is the revision of R2-2007902.

**Q1.4 Companies are invited to provide their views (including revision proposals) on this CR**

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| --- | --- |
| **Company** | **Comment** |
| Huawei | The second change is ok to avoid using “SNPN cell”. However, we don’t see the necessity of the first change. |
| CATT | Agree with Huawei |

## 2.2 38.331 (RRC) corrections

### 2.2.1 [R2-2006633](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_111-e/Docs/R2-2006633.zip) Correction on First NPN-Identity Usage for SIB Validity (CATT)

**Q2.1 Companies are invited to provide their views (including revision proposals) on this CR**

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| --- | --- |
| **Company** | **Comment** |
| Huawei | Basically OK, but the correction to *maxNPN* is unnecessary because the original text is mimicking *maxPLMN* and NPN index is involved in *RRCSetupComplete*. |
| CATT | Agree |

### 2.2.2 [R2-2007842](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_111-e/Docs/R2-2007842.zip) Correction to 38.331 on SIB validity and emergency services for NPN (Huawei, HiSilicon)

**Q2.2 Companies are invited to provide their views (including revision proposals) on this CR**

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| --- | --- |
| **Company** | **Comment** |
| Huawei | Agree. |
| CATT | Agree |

### 2.2.3 [R2-2006853](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_111-e/Docs/R2-2006853.zip) Corrections for PNI-NPN related parameter selection (Nokia, Nokia Shanghai Bell)

**Q2.3 Companies are invited to provide their views (including revision proposals) on this CR**

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| --- | --- |
| **Company** | **Comment** |
| Huawei | 1) For the first change, we don’t think the selection behavior of NAS needs to be embodied here. Besides, there is selected CAG ID for both automatic and manual selection, but the selection behavior is performed by NAS, so CAG ID here does not mean CAG ID selected by AS, rather, it is the CAG ID read by AS.  2) 2nd change. We think “the PNI-NPN selected by upper layers” is not applicable to *RRCSetupComplete*, since the upper layers selected PNI-NPN may not be used during cell reselection. Therefore the added description “2>…” does not make sense.  3) We think the logic with the current text is clear. There’s no reason that the UE will set the PLMN index to the PLMN in the PLMN list if it selects a CAG.  4) We think the changes are making the spec less readable. |
| CATT | Changes are not necessary.agree with comments from Huawei |

### 2.2.4 [R2-2007411](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_111-e/Docs/R2-2007411.zip) ims-EmergencySupport interpretation and clarification for SNPN (Ericsson)

**Q2.4 Companies are invited to provide their views (including revision proposals) on the draft CR included in the Annex of this paper**

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| --- | --- |
| **Company** | **Comment** |
| Huawei | The change is correct. We have another version in our CR (our CR is in the perspective of cell whereas this CR is in the perspective of UE). |
| CATT | Agree |

### 2.2.5 [R2-2008016](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_111-e/Docs/R2-2008016.zip) Corrections to IntraFreqCAG-CellPerPLMN and InterFreqCAG-CellList in SIB3 and SIB4 (Samsung Electronics Co., Ltd)

**Q2.5 Companies are invited to provide their views (including revision proposals) on this CR**

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| --- | --- |
| **Company** | **Comment** |
| Huawei | Editorial. There’s no real issue if the change is not approved. |
| CATT | Agree. Nice to have this change. |

# 3 Conclusions

## 3.1 CRs that can be agreed as is

## 3.2 CRs that can be agreed with some changes

## 3.3 CRs that require online discussion

## 3.4 CRs that should not be pursued