**3GPP TSG RAN WG1 Meeting #101-e                     R1-200xxxx**

**e-Meeting, May 25 – June 5, 2020**

**Agenda Item: 7.2.2.2.2**

**Source: Charter Communications**

**Title: Draft [101-e-NR-unlic-NRU-InitAccessProc-02]**

**Document for: Discussion and Decision**

# Introduction

Four email discussions have been sanctioned in RAN1#101-e on initial access procedures for NR-U based on contributions submitted to this meeting [1]-[13]. This second discussion that aims to converge by 5/29 has the following scope:

[101-e-NR-unlic-NRU-InitAccessProc-02] Email discussion/approval on the following issues from R1-2003306 until 5/29; if necessary endorse associated TPs by 6/4 – Amitav (Charter)

* (#3.2) For the minimum value N of the MsgA PRACH-PUSCH gap in NR-U, select one of the alternatives in RAN1 #101-e:
  + Alt 1: N=2 (same as licensed operation)
  + Alt 2: N can be smaller than 2 for identified cases, and N=2 for the rest
    - For example, N = [0 or 1] when MsgA PUSCH has the same SCS and bandwith as MsgA PRACH
    - Note: it can be further discussed whether existing CP extension scheme can be applicable for the identified cases

These issues have been selected based on the preparatory discussion summarized in [14].

# Company views

It is proposed to first converge on either Alt. 1 or Alt. 2 before discussing TPs.

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| **Company** | **Views** |
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# References

1. R1-2003371 Remaining issues on initial access procedure for NR-U vivo
2. R1-2003451 Remaining issues on the initial access procedure for NR-U ZTE, Sanechips
3. R1-2003513 Maintenance on the initial access procedures Huawei, HiSilicon
4. R1-2003657 Remaining issues on initial access procedure for NR-U operation MediaTek Inc.
5. R1-2003729 Enhancements to initial access and mobility for NR-unlicensed Intel Corporation
6. R1-2003844 Enhancements to initial access procedures Ericsson
7. R1-2003861 Initial access procedures for NR-U Samsung
8. R1-2003973 Remaining issues on initial access procedure for NR-U ETRI
9. R1-2004001 Remaining issues on initial access procedure Spreadtrum Communications
10. R1-2004014 Remaining issues of initial access and mobility for NR-U LG Electronics
11. R1-2004086 Discussion on the remaining issues of enhancements to initial access procedure OPPO
12. R1-2004444 TP for Initial access and mobility procedures for NR-U Qualcomm Incorporated
13. R1-2004526 On Enhancements to Initial Access Procedure for NR-U Nokia, Nokia Shanghai Bell
14. R1-2003306 Feature lead summary on for initial access procedures enhancements Charter Communications