3GPP TSG-RAN WG1 Meeting #101-e R1-20xxxxx

e-Meeting, 25th May – 5th June, 2020

Agenda Item: 7.2.2.2.2

Source: Moderator (Nokia)

Title: [101-e-NR-unlic-NRU-InitAccessProc-07] Email discussion/approval

Document for: Discussion, Decision

# 1 Introduction

This document captures discussion related to the following e-mail discussion which has been kicked-off as follows:

[101-e-NR-unlic-NRU-InitAccessProc-07] Email approval of reply LS to R1-2003274 by 5/28, to be managed under 7.2.2.2.2 – Michel (Nokia)

# 2 Discussion

RAN4 has sent a LS to RAN1 on the topic of NR-U SSB monitoring capabilities [1].

In order to formulate a reply LS to RAN4, the moderator would like to receive company feedback on the following questions:

**Question 1:** Provide feedback whether monitoring within a given discovery burst transmission window all candidate SS/PBCH block indexes corresponding to the same SS/PBCH block index is mandatory for UEs.

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| **Company** | **View/Position** |
| Nokia, NSB | In our view, it is mandatory for the UEs to monitor all SS/PBCH blocks with candidate indexes corresponding to the same SS/PBCH block index within a given discovery burst transmission window; it can be up to UE’s implementation to stop SS/PBCH block monitoring for a given SS/PBCH block index in the case the UE has already detected a SS/PBCH block with the same index for a given discovery burst transmission window.In our understanding, any deviation to this requirement will lead to degraded performances for both RRM and RLM/BFD/CBD measurements.See also the additional remarks provided within the draft Reply LS. |
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**Question 2:** Provide feedback on the values of N1 and N2, considering the impact on the network performance if UEs are not monitoring all candidate positions.

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| **Company** | **View/Position** |
| Nokia, NSB | N1 and N2 are not applicable in our view (see Q1) |
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**Question 3:** Provide feedback on whether differentiation is needed for UEs operating in FBE and LBE modes

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| **Company** | **View/Position** |
| Nokia, NSB | As N1 and N2 are not applicable in our view (see Q1), we see no need for such differentiation |
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**Question 4:** Provide feedback for the case when Q is not provided to the UE

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| **Company** | **View/Position** |
| Nokia, NSB | For both RRM and RLM/BFD/CBD measurements, Q is always provided to the UE (see [2]) |
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# References

1. R1-2003274, “LS on NR-U SSB monitoring capabilities” RAN4, RAN1#101-e, May 2020.
2. R1-2003044, “LS on Signalling of Q Parameter for NR-U”, Charter Communications, RAN1#100bis-e, April 2020