3GPP TSG-RAN Meeting #92-eRP-21xxxx

Electronic Meeting, 14-18 June 2021

Agenda Item: 9.7.1.7

Source: Email discussion moderator (RAN Vice-Chair – Deutsche Telekom)

Title: Report from Email Discussion [92-e-24-Repeaters]

Document for: Discussion and decision

# 1 Introduction

This document reports on the following email discussion during RAN#92-e:

**[92-e-24-Repeaters]**

Input contribution covered: RP-211311

It is understood by the Moderator that this proposal is only for NR repeaters which are part of the Rel-17 RAN4 work currently. At this point in time the proposal is only for the configuration of the NR repeater channel bandwidth. It is proposed to use RRC based SIB signalling provided from the gNB.

## 2 Discussion

### 2.1 Initial Round

The initial round should help to gain a feeling if there is support on such configuration of NR repeaters channel bandwidth in the group. It should also take into account the proposal by the proponents to base such configuration on RRC using SIB signalling while taking into account the workload of involved RAN WGs (RAN2 and RAN3 for signalling, RAN4 for general guidance and requirements) for Rel-17.

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| **Indicate your potential interest to support the work proposed in RP-211311 and comment on the 3GPP release (Rel-17 or Rel-18) you see the work being manageable** | |
| **Company** | **Comments** |
| AT&T | We are not convinced of the need for this signalling enhancement in Rel-17. Considering the potential for many additional enhancements for so-called “smart repeaters” in Rel-18, it may be preferable to handle them all under a common framework rather than individual optimizations which do not necessarily address all use cases. |
| Pivotal | We share ATT’s view.  Some network equipment is perfectly capable of getting this info (and other timely info) out of band & remotely & at $0 cost, and remote management may already be in place.  What would surely imply higher cost is making this signalling capability a must (i.e. a modem that would decode, a scanner of sort) into otherwise simple device.  This should at the very least be considered only in the context of a broader motivation/cost-benefit analysis for a TBD signaling package as part of Rel-18. |
| Samsung | We do NOT support work proposed in RP-211311 given involving other WG has been extensively discussed and already precluded during the discussion of approval the WI. Also, it is our understanding that introducing such signalling is NOT essential for repeater operation in REl-17 since bandwidth issue can be solved in implementation manner, e.g., pre-configured bandwidth. For whether such work can be manageable in REl-18, it is too early to discuss the Rel-18 work at this moment. Rel-18 repeater work if proposed shall be discussed together with other proposals in REl-18 package. |
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## Annex: Contacts

Please provide a company contact that the email discussion moderator can contact if required.

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| **Company** | **Contact name and email** |
| RAN VC – Moderator | Axel.Klatt@telekom.de |
| Pivotal Commware | Andjela Ilic-Savoia: asavoia@pivotalcommware.com |
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