3GPP TSG-RAN WG2 Meeting #119 R2-220xxxx

Online, 17 – 26 August 2022

**Agenda item: 6.21.1**

**Source: Chair (MediaTek Inc)**

**Title: Comments on New proposals**

**WID/SID:** **TEI17**

**Document for: Discussion and Decision**

# 1 Introduction

This document is to collect comments on the following proposals:

* [AT119-e][038][NRTEI17] Comments on New proposals (Chair)

 Scope: Collect a round of comments on the new TEI proposals in R2-2208241, R2-2207434, R2-2208430, R2-2208668, R2-2207938 in order to determine if any of these could be agreeable.

 Intended outcome: Report for CB W2 Friday

 Deadline: W2 Thursday 1800 UTC

# 2 Discussion

## 2.1 Inclusion of the CSI reports in MDT framework

[R2-2208241](file:///C%3A%5CUsers%5Cmtk65284%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2_RL2%5CTSGR2_119-e%5CDocs%5CR2-2208241.zip) Inclusion of the CSI reports in MDT framework Nokia, Nokia Shanghai Bell, Deutsche Telekom, Verizon discussion Rel-17 TEI17, NR\_ENDC\_SON\_MDT\_enh-Core R2-2206144

Proposal 1: UE CSI reporting is added to the MDT framework to allow for advanced network optimization procedures as part of TEI17.

Proposal 2: RAN2 is asked to agree to TS37.320 changes as provided in the Annex.

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| Company | Support / CanAccept / Oppose / Question | Comments and justification for the expressed opinion (and/or question).  |
| Chair |  | Chair initial comments (open ended): no impact to the UE, impact to the base-station. CSI can map reasonably to achievable L1 bitrate so it may be useful. Could be a low hanging fruit, but may have impact in other groups, so not clear if TEI is the best WI?  |
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## 2.2 SDAP end-marker in RLC UM

[R2-2207434](file:///C%3A%5CUsers%5Cmtk65284%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2_RL2%5CTSGR2_119-e%5CDocs%5CR2-2207434.zip) SDAP end-marker in RLC UM Apple, Futurewei, Spreadtrum, FGI, Asia Pacific Telecom, T-Mobile USA, ZTE Corporation discussion Rel-17 TEI17 R2-2205679

*Proposal 1: RAN2 to study how the handling of PDUs carrying SDAP end-marker or RDI can be enhanced to mitigate against potential message loss in RLC UM in Rel-17.*

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| Company | Support / CanAccept / Oppose / Question | Comments and justification for the expressed opinion (and/or question).  |
| Chair |  | Chair initial comments (open ended): This was discussed in Rel-15 and was left as is, assuming an impl timer will resolve the situation, and indeed the timer brings some delay. Proposal to study is not optimal for TEI type work, but can check the level of interest.  |
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## 2.3 Remote access issue

[R2-2208430](file:///C%3A%5CUsers%5Cmtk65284%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2_RL2%5CTSGR2_119-e%5CDocs%5CR2-2208430.zip) Discussion on remote access issue CMCC, vivo, Huawei discussion Rel-18 TEI

*Proposal 1: RAN2 is kindly asked to confirm the remote access issue, that UE may access to a remote cell due to the radio signal transmitted and reflected by atmospheric and seawater with tiny propagation loss at some certain temperature and humidness conditions.*

*Proposal 2: RAN2 is kindly asked to confirm that the current implementation solutions cannot completely address the remote access issue.*

*Proposal 3: RAN2 is kindly asked to discuss the potential solutions, e.g.:*

*– Introduce a TA threshold in the system information to indicate the maximum Timing Advance to access the cell.*

*– If the received TA is larger than TA threshold, UE should apply Qoffsettemp for R criteria when UE goes back to idle/inactive mode. No change to the existing RA procedure.*

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| Company | Support / CanAccept / Oppose / Question | Comments and justification for the expressed opinion (and/or question).  |
| Chair |  | Chair initial comments (open ended): In my experience, this kind of “strangeness” in the network is quite normal, i.e. for deployments that has significant shadowing effects or open water etc, the best coverage for a UE may indeed be by a distant cell rather than the closest base-station, but RAN2 usually assumes that from radio perspective (interference etc) it is good to keep the UE on the best cell, distant or not. For very distant cells, it has been recognized in the past that there are issues with the resulting camping or connection being very unstable. For this purpose it is possible today to exclude or deprioritize cells from UE evaluation, by neighbor cell lists.  |
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## 2.4 DRX correction for DCI controlled bundling

[R2-2208668](file:///C%3A%5CUsers%5Cmtk65284%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2_RL2%5CTSGR2_119-e%5CDocs%5CR2-2208668.zip) Correction to DRX operation with bundling controlled in the DCI Ericsson, Nokia, T-Mobile USA, Verizon, Docomo discussion Rel-17

*Proposal 1 Introduce a configurable parameter drx-LastTransmissionUL that enables the start of the drx-HARQ-RTT-TimerUL after the end of the last transmission (within a bundle) instead of after the end of the first transmission (within a bundle).*

*Proposal 2 Introduce a new UE capability and corresponding RRC signalling for drx-LastTransmissionUL.*

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| Company | Support / CanAccept / Oppose / Question | Comments and justification for the expressed opinion (and/or question).  |
| Chair |  | Chair initial comments (open ended): This was briefly discussed before, with a mix or positive and negative comments. Anyway the proposal is limited, clear and could be implemented asap (as required for TEI) - in case there is more support / less objections now.  |
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## 2.5 Priority based inter-freq measurement reporting

[R2-2207938](file:///C%3A%5CUsers%5Cmtk65284%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2_RL2%5CTSGR2_119-e%5CDocs%5CR2-2207938.zip) Priority based inter-freq measurement reporting Apple discussion Rel-17 TEI17

*Moved from 6.21.2*

*Proposal: Consider a reporting priority based mechanism to address the problem.*

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| Company | Support / CanAccept / Oppose / Question | Comments and justification for the expressed opinion (and/or question).  |
| Chair |  | Chair initial assessment (open ended): I understand that there is some interest for this, but as RAN4 is the group for detailed measurement behavior, it is somewhat difficult to see that this should be a RAN2-only topic (in order to arrive at a function that makes sense). Same comment applies for the referenced R2-2202436.  |
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# 3 Conclusion

TBD