3GPP TSG-RAN WG2 #116-e R2-21xxxxx

Electronic, 1st – 12th Nov, 2021

Agenda Item: 5.4.1

Source: R2 Chair (MediaTek inc)

Title: [AT116-e][049][TEI17] TEI17 NR proposals (Chairman)

Document for: Discussion, Decision

# Introduction

This document is to kick off the following email discussion:

* [AT116-e][049][TEI17] TEI17 NR proposals (Chairman)

 Scope: Collect comments on selected NR TEI17 proposals
Intended outcome: Report
Deadline: Tuesday W2

The intention with this offline discussion is to collect comments to identify proposals that could be agreeable.

**Chair on TEI proposals**

A TEI item shall have a limited scope, it should be possible to complete the work in 1 quarter (given sufficient attention and focus). The work should be limited to one WG (small exceptions are allowed).

TEI proposals are usually judged differently according to novelty - in a range, e.g.

* Corrections not implemented in a previous release, small proposals that should obviously/reasonably have been implemented in a previous WI but was missed for some reason.
* Well known earlier WI proposals with some support but were not done e.g. due to lack of time. Small features that were implemented in earlier system.
* New items, giving better performance, or enabling a new use case etc.

Corrections or almost corrections are typically judged similarly to corrections, e.g. the motivation for the full story is assumed pre-known. Discussions can be quite simple, straightforward opinions on impact vs gain and the bar for acceptance is usually medium (higher or somewhat higher than for pure corrections).

New features most often require a more comprehensive analysis and understanding, sometimes similar to judging new WI proposals at Plenary. Understanding justifications vs impact/possibility to deploy etc is important. Operator input is sometimes helpful to verify validity of justifications. The bar for acceptance is usually quite high.

Other aspects are usually considered, e.g. proposals that has recently been rejected would be considered again if the situation has changed somehow, but not otherwise. Proposals that were rejected for an ongoing WI should generally not be considered for TEI.

As usual and always, for all kinds of proposals, technical sanity check is fundamental. Does the proposal work? Is it feasible? Does the proposal address the intended issue / intended case.

Please consider these aspects when you provide comments in this discussion so there can be a balanced result.

**Opinions and Comments**

Please provide opinions. It is appreciated that you give a concise motivation. You can refer to other company’s motivation if your’s is the same. You can also ask questions, and make comments that you think may impact the perception of the proposal.

Opinions will be interpreted as follows:

Support = Support the proposal, think it is useful

Not Support = Don’t support the proposal, not useful etc. Could be acceptable.

Not Acceptable = This is objected to.

Unclear = Don’t know yet, asking some questions, may decide later if there are replies.

**Updating this document**

This is a big document so collision updates may happen. When naming your file update, please:

1) Increase the revision one step compared to your baseline version.

2) Keep the previous editor company name and add your company name last (i.e. two company names)

E.g. CATT revision based on Nokias:
*[AT116-e][049][TEI17] TEI17 NR proposals\_v12\_Nokia\_CATT.docx*

# Contact Information

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# Discussion

## Undecided proposal (has been treated no decision)

### CGI Report extension

CGI Report Extension Proposal

[R2-2110981](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_116-e%5CDocs%5CR2-2110981.zip) On the support of NG-based handover using CGI report Huawei, HiSilicon, CMCC, China Telecom, China Unicom discussion Rel-17 TEI17

[R2-2109716](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_116-e%5CDocs%5CR2-2109716.zip) CR to 38.331 on support of NG-based (i.e. via CN) handover based using CGI report China Telecom, Huawei, HiSilicon CR Rel-17 38.331 16.6.0 2816 - F TEI17

Some Comments has already been provided in the following tdoc

[R2-2110856](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_116-e%5CDocs%5CR2-2110856.zip) On using RAN3 based solution for unsupported SCS+BW of neighbor cell Ericsson discussion

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### Location Privacy in RRC

Location Privacy in RRC

[R2-2110047](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_116-e%5CDocs%5CR2-2110047.zip) User preferences to control location information sharing Apple, Samsung, Google, Xiaomi, Vivo, BT Plc, Rakuten Mobile, MediaTek Inc discussion TEI17

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### System Information Scheduling

System Information Scheduling Proposal

[R2-2111248](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_116-e%5CDocs%5CR2-2111248.zip) On the need of providing explicit SI start position for SI Scheduling Ericsson, Verizon, Deutsche Telekom, Softbank, Swift Navigation, ESA, T-Mobile USA discussion Rel-17

Some comments has already been provided in the following tdoc

[R2-2110799](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_116-e%5CDocs%5CR2-2110799.zip) SIB and posSIB scheduling constraints MediaTek Inc. discussion Rel-17 TEI17

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### C-DRX enhancements for 5G applications

[R2-2109730](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_116-e%5CDocs%5CR2-2109730.zip) C-DRX enhancements for 5G applications vivo, CMCC, China Telecom, China Unicom, Spreadtrum, Guangdong Genius discussion Rel-17 TEI17 R2-2107416

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## New Proposals (has not been treated yet for R17)

### EPS Fallback

EPS Fallback

[R2-2110485](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_116-e%5CDocs%5CR2-2110485.zip) EPS fallback enhancements for UEs in IDLE/INACTIVE Huawei, HiSilicon, CMCC, China Telecom, China Unicom, LG Uplus discussion Rel-17 TEI17

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### UL Skipping Control

UL Skipping Control

[R2-2110198](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_116-e%5CDocs%5CR2-2110198.zip) Fast Control of UL Skipping NTT DOCOMO INC., Ericsson, CMCC, Verizon discussion Rel-17

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### SRS in Dormancy

SRS in Dormancy
Had some support in R16 but wasn't done in the end

[R2-2110836](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_116-e%5CDocs%5CR2-2110836.zip) Periodic SRS in SCell dormant BWP Qualcomm Incorporated, ZTE Corporation, Futurewei discussion Rel-17

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### Skip RACH on Data Arrival

Skip RACH on Data Arrival

[R2-2111161](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_116-e%5CDocs%5CR2-2111161.zip) Skipping RACH upon data arrival NTT DOCOMO, INC. discussion Rel-17

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### Fast RLF

Fast RLF

[R2-2110055](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_116-e%5CDocs%5CR2-2110055.zip) Discussion on Fast RLF recovery Apple, Verizon discussion Rel-17 TEI17

[R2-2110056](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_116-e%5CDocs%5CR2-2110056.zip) 38.331 CR to introduce fast RLF recovery (Option 1) Apple, Verizon draftCR Rel-17 38.331 16.6.0 B TEI17

[R2-2110057](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_116-e%5CDocs%5CR2-2110057.zip) 38.331 CR to introduce fast RLF recovery (Option 2) Apple, Verizon draftCR Rel-17 38.331 16.6.0 B TEI17

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### Idle / Inactive Measurements w SUL

Measurements

[R2-2109773](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_116-e%5CDocs%5CR2-2109773.zip) Idle/Inactive state measurement enhancement for UEs supporting SUL OPPO, Spreadtrum Communications, Qualcomm discussion Rel-17 TEI17

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### RMSI alignment and HARQ granularity

Miscellaneous

[R2-2110558](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_116-e%5CDocs%5CR2-2110558.zip) RMSI alignment and HARQ granularity Nokia, Nokia Shanghai Bell discussion Rel-17 TEI17, NR\_unlic-Core

Note that this document has two proposals that should be considered individually:

**RMTC:** Enhance RMTC-Config to allow RSSI measurements to be contained in gNB idle periods.

**HARQ:** Allow more granular configuration of PDSCH HARQ processes for UE in Rel-17.

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### UE assistance information configuration in RRCResume

Miscellaneous

[R2-2109474](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_116-e%5CDocs%5CR2-2109474.zip) UE assistance information configuration in RRCResume message OPPO discussion Rel-17 TEI17

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### Efficient UL pre-scheduling

[R2-2110759](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_116-e%5CDocs%5CR2-2110759.zip) Efficient UL pre-scheduling operation MediaTek Inc., Qualcomm Inc. discussion Rel-17 TEI17 R2-2109019

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### Multi-TB CGs on licensed bands

[R2-2109652](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_116-e%5CDocs%5CR2-2109652.zip) Enabling Multi-TB CGs on licensed bands CATT discussion TEI17

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### Pending empty PDUs

[R2-2109651](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_116-e%5CDocs%5CR2-2109651.zip) Handling of pending empty PDUs after UCI multiplexing CATT, Lenovo, Motorola Mobility discussion TEI17

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### QoS Flow to DRB Mapping for MDBV Enforcement

[R2-2109851](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_116-e%5CDocs%5CR2-2109851.zip) Adaptation of QoS Flow to DRB Mapping for MDBV Enforcement Futurewei discussion Rel-17

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### Activation/Deactivation of QoS Flow to DRB Mapping for SMBR Enforcement

[R2-2109852](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_116-e%5CDocs%5CR2-2109852.zip) Activation/Deactivation of QoS Flow to DRB Mapping for SMBR Enforcement Futurewei discussion Rel-17

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### Stopping CGT for ignored or skipped UL grant

[R2-2111170](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_116-e%5CDocs%5CR2-2111170.zip) Stopping CGT for ignored or skipped UL grant LG Electronics Inc. discussion TEI17

[R2-2111172](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_116-e%5CDocs%5CR2-2111172.zip) CR to 38321 on stopping CGT for ignored or skipped UL grant LG Electronics Inc. CR Rel-17 38.321 16.6.0 1177 - F TEI17

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# Conclusion

TBD