3GPP TSG-RAN WG2 #110-e DRAFT R2-200xxxx

Electronic meeting, 1st - 12th June, 2020

Agenda Item: 6.20

Source: RAN2 Chairman

Title: Draft Report Email 035 on TEI16 new proposals

Document for: Decision

# 1 Background

**This is the Report for the following email discussion.**

* [AT110-e][035][TEI16] New Proposals (R2 Chairman)

Scope: Treat R2-2005159, R2-2005175, R2-2004535, R2-2004536, R2-2004537, R2-2004538, R2-2004539, R2-2005121, R2-2005184, R2-2004618, R2-2004863, R2-2005662, R2-2004601 (proponents are responsible to explain and drive)

Part 1: Identify agreeable changes. Deadline: June 5, 0700 UTC.

Part 2: For agreeable parts, continuation to agree CRs (may split the email discussion). Deadline: EOM

**Chairman’s overall assessment:**

* Background: NR TEI16 is a fairly large WI in R2, especially since TEI work in other groups also impact R2. Nevertheless given the nature of R15 it is natural that a significant number of small complementary fixes would be needed/desired on top of R15, some of which do not fit naturally in any other R16 WI, so this has been allowed. R2 110-e is the last point in time to look at any new TEI16 proposal that goes beyond bug-fixing (or do not stem from important operator issues).
* In order to agree a new proposal:
  + New proposal shall be small, simple and not generate much additional discussion. It should nominally be possible to finish the CR in this meeting (1Q), and realistically MUST be possible to finish with high quality in Q3. (*Note that for TEI16 in R2, also for simple proposals, frequently companies has requested more time to think about details. Such additional time have so far been granted to have better quality and wider involvement, even if it has meant a general divergence from the 1Q-rule for TEI proposals. Now there isn’t much time in R16 any longer*).
  + The new proposal shall pass the usual pain-gain analysis, i.e. it need to have significant support, usefulness, and limited drawbacks.
* With this in mind we can take a last look at TEI16 proposals. The following proposals has been included: Proposals that has been breifly discussed before but not yet agreed and non-discussed new proposals with >= 4 supporting companies.

# 2 Proposals and Discussion

Missing reportAddNeighMeas

Treated by email [035]

[R2-2005159](file:///D:/Documents/3GPP/tsg_ran/WG2/RAN2/2005_R2_110-e/Docs/R2-2005159.zip) Missing reportAddNeighMeas in periodic measurement reporting Nokia, Nokia Shanghai Bell, Ericsson, NTT DOCOMO CR Rel-16 38.331 16.0.0 1290 3 F TEI16 R2-2003109

|  |  |
| --- | --- |
| Company | Comment (support/other-opinion/not acceptable), reasons |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Inter Node Request of measurement identities

Treated by email [035]

[R2-2005175](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2005175.zip) Introduction of SN request of measurement identities in INM Ericsson, NEC, ZTE Corporation, Sanechips, Vivo, Softbank, Turkcell, Deutsche Telekom, NTT DOCOMO INC., China Unicom, Qualcomm Incorporated, InterDigital discussion Rel-16 TEI16

|  |  |
| --- | --- |
| Company | Comment (support/other-opinion/not acceptable, reasons |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Simultaneous NR Unicast and LTE MBMS

Treated by email [035]

[R2-2004535](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2004535.zip) Mechanisms to enable simultaneous operation of NR Unicast + LTE MBMS Qualcomm Incorporated, FirstNet, AT&T, Telstra, Academy of Broadcasting Science, Shanghai Jiao Tong University, British Broadcasting Corporation, European Broadcasting Union, Institut für Rundfunktechnik discussion Rel-16 TEI16

[R2-2004536](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2004536.zip) Introduction of simultaneous operation of NR Unicast + LTE MBMS Qualcomm Incorporated, FirstNet, AT&T, Telstra, Academy of Broadcasting Science, Shanghai Jiao Tong University, British Broadcasting Corporation, European Broadcasting Union, Institut für Rundfunktechnik CR Rel-16 38.300 16.1.0 0228 - B TEI16

[R2-2004537](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2004537.zip) Introduction of simultaneous operation of NR Unicast + LTE MBMS Qualcomm Incorporated, FirstNet, AT&T, Telstra, Academy of Broadcasting Science, Shanghai Jiao Tong University, British Broadcasting Corporation, European Broadcasting Union, Institut für Rundfunktechnik CR Rel-16 38.304 16.0.0 0159 - B TEI16

[R2-2004538](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2004538.zip) Introduction of simultaneous operation of NR Unicast + LTE MBMS Qualcomm Incorporated, FirstNet, AT&T, Telstra, Academy of Broadcasting Science, Shanghai Jiao Tong University, British Broadcasting Corporation, European Broadcasting Union, Institut für Rundfunktechnik CR Rel-16 38.306 16.0.0 0310 - B TEI16

[R2-2004539](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2004539.zip) Introduction of simultaneous operation of NR Unicast + LTE MBMS Qualcomm Incorporated, FirstNet, AT&T, Telstra, Academy of Broadcasting Science, Shanghai Jiao Tong University, British Broadcasting Corporation, European Broadcasting Union, Institut für Rundfunktechnik CR Rel-16 38.331 16.0.0 1611 - B TEI16

|  |  |
| --- | --- |
| Company | Comment (support/other-opinion/not acceptable, reasons |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

FreqBandIndicator in NR redirection

Treated by email [035]

[R2-2005121](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2005121.zip) CR to 38.331 on missing freqBandIndicator in NR redirection Qualcomm Incorporated, Ericsson, MediaTek Inc., ZTE Corporation, Sanechips, Apple, Intel, OPPO draftCR Rel-16 38.331 16.0.0 F TEI16

[R2-2005184](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2005184.zip) CR to 36.331 on missing freqBandIndicator in NR redirection Qualcomm Incorporated, Ericsson, MediaTek Inc., ZTE Corporation, Sanechips, Apple, Intel, OPPO draftCR Rel-16 36.331 16.0.0 F TEI16

|  |  |
| --- | --- |
| Company | Comment (support/other-opinion/not acceptable, reasons |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Reestablishment

Treated by email [035]

[R2-2004618](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2004618.zip) Updates to reestablishment procedure ZTE Corporation, Sanechips, Intel Corporation, CATT, Mediatek CR Rel-16 38.331 16.0.0 1143 6 C TEI16 R2-2002970

|  |  |
| --- | --- |
| Company | Comment (support/other-opinion/not acceptable, reasons |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

PDCP security issue

Treated by email [035]

[R2-2004863](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2004863.zip) CR on PDCP security issue about duplicate detection Samsung, LG Electronics Inc., Nokia, Nokia Shanghai Bell, LG Uplus, Deutsche Telekom, NTT DOCOMO, Intel, Huawei, HiSilicon CR Rel-16 38.323 16.0.0 0032 6 F TEI16 R2-2003825

|  |  |
| --- | --- |
| Company | Comment (support/other-opinion/not acceptable, reasons |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Retransmission of an RLC SDU with a poll after discard

[R2-2005662](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2005662.zip) Retransmission of an RLC SDU with a poll after discard procedure LG Electronics Inc., Ericsson, NTT Docomo, LG Uplus, Sharp discussion Rel-16 TEI16 R2-2002998

|  |  |
| --- | --- |
| Company | Comment (support/other-opinion/not acceptable, reasons |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

CFRA resource handling for BFR upon TAT expiry

[R2-2004601](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2004601.zip) CFRA resource handling for BFR upon TAT expiry Nokia, Nokia Shanghai Bell, Apple, ASUSTek discussion Rel-16 TEI16

|  |  |
| --- | --- |
| Company | Comment (support/other-opinion/not acceptable, reasons |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Dynamic LCP mapping restrictions – not yet agreed

Treat on-line

[R2-2004512](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2004512.zip) Dynamic LCP Mapping Restrictions Nokia, Deutsche Telekom, Ericsson, Fujitsu, Nokia Shanghai Bell, NTT DOCOMO INC., T-Mobile CR Rel-16 38.300 16.1.0 0226 - B TEI16

[R2-2004514](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2004514.zip) Dynamic LCP Mapping Restrictions Nokia, Deutsche Telekom, Ericsson, Fujitsu, Nokia Shanghai Bell, NTT DOCOMO INC., T-Mobile CR Rel-16 38.321 16.0.0 0740 - B TEI16

[R2-2004515](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2004515.zip) Dynamic LCP Mapping Restrictions Nokia, Deutsche Telekom, Ericsson, Fujitsu, Nokia Shanghai Bell, NTT DOCOMO INC., T-Mobile CR Rel-16 38.331 16.0.0 1610 - B TEI16

[R2-2004519](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2004519.zip) Dynamic LCP Mapping Restrictions Nokia, Deutsche Telekom, Ericsson, Fujitsu, Nokia Shanghai Bell, NTT DOCOMO INC., T-Mobile CR Rel-16 38.306 16.0.0 0309 - B TEI16

[R2-2005663](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2005663.zip) Consideration on LCP mapping restrictions LG Electronics Inc. discussion Rel-16 TEI16

[R2-2004511](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2004511.zip) Offline 053 on LCP Mapping Restrictions Nokia (Rapporteur) discussion Rel-16 TEI16 R2-2004114

|  |  |
| --- | --- |
| Company | Comment (support/other-opinion/not acceptable, reasons |
| **Chairman** | **NOTE:** IF you commented last meeting you don’t need to comment in this table/email discussion. The Offline Summary from last meeting in R2-2004511 (above) will be taken into account and treated. Please do not repeat comments from last meeting, List here **only** delta comments or additional information. |
|  |  |
|  |  |
|  |  |
|  |  |

# 4 Proposals