3GPP TSG-RAN WG1 Meeting #103-e Tdoc R1-20xxxxx

e-Meeting, October 26th – November 13th, 2020

**Agenda Item: 8.6**

**Title: FL summary #2 for TR38.875 update for RedCap**

**Source: Moderator (Ericsson)**

**Document for: Discussion, Decision**

# 1 Introduction

This document captures the RAN1#103e RedCap email discussion for TR38.875 update [103-e-NR-RedCap-01].

For this FLS discussion document, follow the naming convention in this example:

* *RedCapTRupdateFLS2-v000.docx*
* *RedCapTRupdateFLS2-v001-CompanyA.docx*
* *RedCapTRupdateFLS2-v002-CompanyA-CompanyB.docx*
* *RedCapTRupdateFLS2-v003-CompanyB-CompanyC.docx*

If needed, you may “lock” a file for 30 minutes by creating a checkout file, as in this example:

* Assume CompanyC wants to update *RedCapTRupdateFLS2-v002-CompanyA-CompanyB.docx*.
* CompanyC uploads an empty file named *RedCapTRupdateFLS2-v003-CompanyB-CompanyC.checkout*
* CompanyC then has 30 minutes to upload *RedCapTRupdateFLS2-v003-CompanyB-CompanyC.docx*
* If no update is uploaded in 30 minutes, other companies can ignore the .checkout file.
* Note that the file timestamps on the server are in UTC time.

The draft TR version under review is [RedCapTRupdate-v005-Rapporteur-Rapporteur.docx](https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_103-e/Inbox/drafts/8.6/TRupdate/TP/RedCapTRupdate-v005-Rapporteur-Rapporteur.docx)

* It is possible to leave review comments in the table in Section 2 in this FLS discussion document.
	+ <https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_103-e/Inbox/drafts/8.6/TRupdate/>
* It is also possible to leave review comments as Word comments in the draft TR.
	+ <https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_103-e/Inbox/drafts/8.6/TRupdate/TP/>
	+ Note that the draft TR has a different file name and resides in a different folder than this FLS.
	+ Please do NOT make changes to the draft TR text – only leave Word comments (if anything).

In ALL file names, please use hyphen characters (not underline characters) and include ‘v’ in front of the version numbers, otherwise the files will not sort as nicely and it will be less obvious which file contains the latest version of the document and whether it is checked out or not.

# 2 Discussion

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| **Company** | **Comments or suggested revisions for** [RedCapTRupdate-v005-Rapporteur-Rapporteur.docx](https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_103-e/Inbox/drafts/8.6/TRupdate/TP/RedCapTRupdate-v005-Rapporteur-Rapporteur.docx) |
| FUTUREWEI | Thanks so much for the huge effort assembling the TR! A few comments, below.* All editor's notes should be removed for the version sent to RAN, except perhaps for a note (in black font) for 10.2.1 and 11.2.1 saying that this is up to RAN2 in the SI or WI. You can also consider to remove the empty subsections 10.1.2, 10.1.3, 10.2.2, 10.2.3, 11.1.2, 11.1.3, 11.2.2, 11.2.3 if there is no text being added at this RAN.
* p8 Introduction change URLCC to URLLC
* p14 Table 6.2.2-3 consider to delete the red text in the Note

Note: For the cases where the number of PDCCH candidates per AL is more than 8, the following configuration should be assumed, i.e., multiple overlapping search space sets are allowed.* p14 second bullet of Step 1 change: "for company ‘j’. M represents  " to  "for company ‘j’, 'M' represents"
* p16 if nobody submitted results for 50MHz using the “Optionally, 12.5Mbps..” it would be better to delete that subbullet
* p22 add a d to analyze : A few contributions analysed other mixes of bandwidths.
* p27 After the first sentence of 7.5.1 it would be good to add a sentence to explain what N1 and N2 are, though it can be inferred from the later text under Latency and reliability.
* p28 in latency and reliability the variables N1 and N2 should use subscripts
* p63 the TR should not include 'FFS', so in the conclusion should not include the FFS point in the text. It can still be discussed in the WI.
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| vivo | 1. On section 11.1.1,
	1. The following RAN1 agreement regarding option 4 is missing thus should be added

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| Agreements:* Considerations on Option 4 (during MsgA transmission) are deprioritized until further progress is made on Options 1 and 2 for 4-step RACH procedure.
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* 1. The following note is missing for the feasibility of option 1

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| * **Note:** The appropriateness of each solution, considering the number of UE type(s) to be indicated, etc. needs further considerations.
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* 1. The following conclusion is missing thus should be added

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| **Conclusion:** The option of carrying RedCap UE type(s) identification as part of UCI multiplexed in Msg3 PUSCH is not considered during the Rel-17 RedCap SI. |

1. On Annex B, the following change should be made
* Case 1: Reference case with no reduction in BD limit.
* Case 2: Power saving gain at approximately 25% reduction in BDs
* Case 3: Power saving gain at approximately 50% reduction in BDs
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