

0.0.1

Variant of [99-e][133] DL_intrpt_combos_TxSW_R17_NWM Version 0.0.0
RAN4

3GPP TSG-RAN WG4 Meeting #99-e

R4-2107659

Electronic Meeting, May. 19-27, 2021

Agenda item: 8.43.1

Source: Moderator (China Telecom)

Title: Email discussion summary for [99-e][133] DL_intrpt_combos_TxSW_R17

Document for: Information

1 Introduction

This email discussion thread is related to Downlink interruption for band combinations basket WI, and will focus on the topic of following aspects:

Topic #1: Draft TR, big CR

Topic#2: Downlink interruption analysis

- Issue 2-1-1: DL interruption applicability

- Issue 2-1-2: TP's for approval

Note that the tables for collecting comments for sub-topic issues are arranged just below each issue.

2 Topic #1: Draft and big CR

2.1 Companies' contributions summary

Table 1:

T-doc number	Company	Proposals / Observations/Abstracts
R4-2109031	CATT	Draft TR v 0.3.0 for Downlink interruption for band combinations to conduct dynamic Tx Switching

R4-2110071	China Telecom	Big CR to 38101-1: Introduce the downlink interruption clarification for CA conducting Tx Switching
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2.2 Open issues summary

Before e-Meeting, moderators shall summarize list of open issues, candidate options and possible WF (if applicable) based on companies' contributions.

2.2.1 Sub-topic 1-1: Draft TR, big CR

This sub-topic will discuss rapporteur input for draft TR and big CR.

Issue 1-1-1: Draft TR

Recommended WF:

- It is recommended for email approval for the draft TR of R4-2109031

Feedback Form 1: Comments on Issue 1-1-1: draft TR

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Issue 1-1-2: big CR

Recommended WF:

- It is recommended for email approval for the big CR of R4-2110071

Feedback Form 2: Comments on Issue 1-1-2: big CR

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2.3 Summary for 1st round

2.3.1 Open issues

Moderator tries to summarize discussion status for 1st round, list all the identified open issues and tentative agreements or candidate options and suggestion for 2nd round i.e. WF assignment.

Table 2:

	Status summary
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1.2.1 Sub-topic 1-1: Draft TR, big CR	<i>Recommendations for 2nd round:</i> Topic #1 is closed. The draft TR of R4-2109031 and the big CR of R4-2110071 are for email approval.
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3 Topic #2: Downlink interruption analysis

3.1 Companies' contributions summary

Table 3:

T-doc number	Company	Proposals / Observations/Abstracts
R4-2109578	MediaTek Inc.	Proposal 1: For the combos with MSD relaxation, DL interruption is not needed and MSD relaxation does not change with TX switching scenarios. Proposal 2: With agreement on proposal 1, we are fine to support R4-2106280 and R4-2106281 as is
R4-2110072	China Telecom	TP to 37.867 DL interruption clarification for CA_n1-n3-n78 to conduct Tx switching

3.2 Open issues summary

Before e-Meeting, moderators shall summarize list of open issues, candidate options and possible WF (if applicable) based on companies' contributions.

3.2.1 Sub-topic 2-1: Downlink interruption analysis

This sub-topic will discuss DL interruption applicability for inter-band CA and corresponding TP's for approval.

Issue 2-1-1: DL interruption for combos with large MSD

Proposals (R4-2109578):

- Proposal 1: For the combos with MSD relaxation, DL interruption is not needed and MSD relaxation does not change with TX switching scenarios.
- Proposal 2: With agreement on proposal 1, we are fine to support R4-2106280 and R4-2106281 as is

Reference:

R4-2106280 Draft CR to 38.101-1 Introduce DL interruption clarification for CA conducting Tx Switching, RAN4#98-bis-e

R4-2106281 TP to 37.867: DL interruption clarification for CA_n1-n3-n78, RAN4#98-bis-e

Recommended WF:

- Collect views on the proposals

Feedback Form 3: Comments on Issue 2-1-1: DL interruption for combos with large MSD

1 – ZTE Wistron Telecom AB

We are fine with Proposal 1.

One comment on the change R4-2106280 mentioned in Proposal 2 on Table 5.2A.2.2-1 Inter-band CA operating bands involving FR1 (three bands):

Since the third column is added for indication on allowing DL interruption, this column has a meaning for those band combinations supporting UL Tx switching, however, for other bands combinations not requested to support UL Tx switching, some kind of "not applicable" should be filled in order to avoid confusion, instead of keeping them as blanks.

2 – CHTTL

Proposal 1 seems a little bit generic. Does it only focus on the MSD caused by IMD, and the interruption allowance on the third band during the switching on the first and second band. (if yes, then maybe the proposal can be further polished.)

3 – China Telecom Corporation Ltd.

Regarding how to treat the blanks of the third column, it has been discussed and concluded to keep blank for combinations not requested or discussed in R16 FR1 WI. The agenda 3.5 in summary R4-2016956 recorded the discussion.

Issue 2-1-2: TPs for approval

Proposed TPs:

- R4-2110072

Recommended WF:

- Collect the comments for proposed TPs. If no comments for certain of TP, the TP will be recommended as approved.

Feedback Form 4: Comments on the TP R4-2110072

3.3 Summary for 1st round

3.3.1 Open issues

Moderator tries to summarize discussion status for 1st round, list all the identified open issues and tentative agreements or candidate options and suggestion for 2nd round i.e. WF assignment.

Table 4:

	Status summary
2.2.1 Sub-topic 2-1: Downlink interruption analysis	<p>Issue 2-1-1: DL interruption for combos with large MSD <i>Recommendations for 2nd round:</i> There are different opinions for the proposals. The related contribution R4-2110072 is recommended as noted.</p> <p>Issue 2-1-2: TPs for approval <i>Recommendations for 2nd round:</i> The TP R4-2110072 is recommended as approved since no comment received. Topic #2 is recommended as closed.</p>

4 Recommendations for Tdocs

4.1 1st round

New tdocs

Table 5:

	Title	Source	Comments

Existing tdocs

Table 6:

Tdoc number	Title	Source	Recommendation	Comments

R4-2109031	TR 37.867 v0.3.0	CATT	For email approval	
R4-2109578	DL interruption for TX switching discussion	MediaTek Inc.	Noted	
R4-2110071	CR to 38.101-1 Introduce DL interruption clarification for CA conducting Tx Switching	China Telecom	For email approval	
R4-2110072	TP to 37.867 DL interruption clarification for CA_n1-n3-n78 to conduct Tx switching	China Telecom	agreeable	

Notes:

Please include the summary of recommendations for all tdocs across all sub-topics incl. existing and new tdocs.

For the Recommendation column please include one of the following:

CRs/TPs: Agreeable, Revised, Merged, Postponed, Not Pursued

Other documents: Agreeable, Revised, Noted

For new LS documents, please include information on To/Cc WGs in the comments column

Do not include hyper-links in the documents