**3GPP TSG-RAN WG4 Meeting #94-e R4-20xxxxx**

**Electronic Meeting, Feb.24th – Mar.6th 2020**

**Agenda item: 7.13.1/7.13.2**

**Source:** Moderator (NTT DOCOMO, INC.)

**Title:** Email discussion summary for RAN4#94e\_#73\_LTE\_high\_speed\_enh2\_RRM

**Document for:** Information

# Introduction

In this contribution, we provide the companies’ contributions summary and open issues summary for RRM in Rel-16 LTE high speed WI.

Related agendas are as follows:

* 7.13.1 RRM core requirements maintenance (36.133)
* 7.13.2 RRM performance requirements (36.133)

List of candidate target of email discussion for 1st round and 2nd round

* 1st round: Collect companies’ feedback and revised CRs, if needed.
* 2nd round: Agree CRs.

# Topic #1: RRM maintenance

## Companies’ contributions summary

|  |  |  |
| --- | --- | --- |
| **T-doc number** | **Company** | **Proposals / Observations** |
| R4-2000641 | vivo | CR to add highSpeedEnhMeasFlag2-r16 in Tmeasure\_intra (Table 8.1.2.2.1.2-4) |
| R4-2000873 | NTT DOCOMO, INC. | CR to remove remaining square brackets from TS 36.133 |

## Open issues summary

### Sub-topic 1-1:Corrections in TS36.133

**Issue 1-1: Tmeasure\_intra when *highSpeedEnhMeasFlag2-r16* is provided**

* Proposals
	+ Option 1: Apply the requirement for UE configured with *highSpeedEnhancedMeasFlag*
* Recommended WF
	+ Option 1 is agreeable?

**Issue 1-2: Finalization CR**

* Proposals
	+ Option 1: Remove all square brackets
* Recommended WF
	+ Remove all square brackets.

## Companies views’ collection for 1st round

### Open issues

|  |  |
| --- | --- |
| **Company** | **Comments** |
| XXX | Sub topic 1-1: Sub topic 1-2:….Others: |
| Huawei, HiSilicon | Issue 1-1: In general, *highSpeedEnhMeasFlag2-r16* shall be added in table *Tmeasure\_intra* as it is agreed that there is no enhancement for measurement requirement in r16 HST. However the *highSpeedEnhMeasFlag2-r16* shall be added in the text content as well. For example,*“*When *highSpeedEnhancedMeasFlag* or *highSpeedEnhMeasFlag2-r16* is configured in the RRC\_CONNECTED state the measurement period for intra frequency measurements is Tmeasure\_intra as shown in table 8.1.2.2.1.2-4*”* |
| Nokia, Nokia Shanghai Bell | Issue 1-1: Based on our system simulation results in R4-1906904, the same requirements as for Rel-14 LTE HST can be reused.  |
| Ericsson | Sub topic 1-1: **Tmeasure\_intra when *highSpeedEnhMeasFlag2-r16* is provided**We are fine with the CR since the measurement period for 500km/h should reuse rel14 350km/h requirementsSub topic 1-2: Removal of square bracketsWe are fine to remove square brackets from R16 requirements…. |
| CMCC | Issue 1-1: compared with the measurement delay specified for 350km/h, there is no enhancement for measurement delay with 500km/h, we are OK to reuse the Rel-14 measurement delay requirements when *highSpeedEnhMeasFlag2-r16* is provided |

### CRs/TPs comments collection

*Major close-to-finalize WIs and Rel-15 maintenance, comments collections can be arranged for TPs and CRs. For Rel-16 on-going WIs, suggest to focus on open issues discussion on 1st round.*

|  |  |
| --- | --- |
| **CR/TP number** | **Comments collection** |
| R4-2000641 | Company A |
| Company B |
|  |
| R4-2000873 | Company A |
| Nokia, Nokia Shanghai Bell - OK |
|  |

## Summary for 1st round

### 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.*

|  |  |
| --- | --- |
|  | **Status summary**  |
| **Sub-topic#1** | *Tentative agreements:**Candidate options:**Recommendations for 2nd round:* |

*Recommendations on WF/LS assignment*

|  |  |  |
| --- | --- | --- |
|  | **WF/LS t-doc Title**  | **Assigned Company,****WF or LS lead** |
| #1 |  |  |

### CRs/TPs

*Moderator tries to summarize discussion status for 1st round and provides recommendation on CRs/TPs Status update*

|  |  |
| --- | --- |
| **CR/TP number** | **CRs/TPs Status update recommendation**  |
| XXX | *Based on 1st round of comments collection, moderator can recommend the next steps such as “agreeable”, “to be revised”* |

## Discussion on 2nd round (if applicable)

## Summary on 2nd round (if applicable)

*Moderator tries to summarize discussion status for 2nd round and provided recommendation on CRs/TPs/WFs/LSs Status update suggestion*

|  |  |
| --- | --- |
| **CR/TP/LS/WF number** | **T-doc Status update recommendation**  |
| XXX | *Based on 2nd round of comments collection, moderator can recommend the next steps such as “agreeable”, “to be revised”* |