**3GPP TSG RAN meeting #109 RP-2xxxxx**

**Beijing, China, Sep 15-18, 2025**

## Status Report to TSG

**Agenda item:** 9.6.1.6

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **WI / SI Name** | Multi-carrier enhancements for NR Phase 3 | | | | |
| included in this status report | Study Item:  No | Core part:  Yes | Performance part:  No | | Testing part:  No |
| **Acronym** | NR\_MC\_enh2 | | | | |
| **Unique ID** | 1050120 | | | | |
| **TSG Tdoc of latest approved WI/SI description (if any)** | RP-242904 | | | | |
| **Target Completion Date**  **(indicate if changed)** | Study Item:  N/A | Core part: 09/2025 | Performance part:  N/A | Testing part: N/A | |
| **Overall Completion level** | Study Item:  N/A | Core part:  100% | Performance Part:  N/A | Testing part: N/A | |

Note: Overall completion level percentage numbers should use one of the colors below:

* xx%: Normal progress, no RAN plenary action needed
* xx%: Progress behind schedule, may need RAN plenary intervention. If so, SR should clearly define requested action
* xx%: Progress critically behind, RAN plenary shall intervene. SR should define requested action

**Source:**

|  |  |  |
| --- | --- | --- |
| **Leading WG** | | RAN1 |
| **Rapporteur** | **Name** | Yanzhi |
| **Company** | Lenovo |
| **Email** | yanzhi1@lenovo.com |

## 1 Work plan related evaluation

|  |  |
| --- | --- |
| **Do you want to modify the time budget for this WI/SI compared to what was endorsed at the last RAN meeting?** | No |

*If you answered No: Then please remove the Excel file from the zip file of this status report.*

*If you answered Yes: Then please fill out the attached Excel template to request a modification of the time budgets for your WI /SI. The Excel table has to be filled out for all affected RAN WGs and up to the target date of the WI/SI. The basis are the endorsed time budgets of the last RAN meeting. Please highlight all changes of the values.  
 One time unit (TU) corresponds to ~ 2 hours in the meeting.  
 If this status report covers a WI with Core and Performance part, then please have one line for each in the attached Excel table.  
 Note: If no Excel table is attached, then this means no time budget change.*

**Additional explanations/motivations for the time budget changes in the attached Excel table:**

## 2. Detailed progress in RAN WGs since last TSG meeting (for all involved WGs)

NOTE: Agreements and Open issues impacted cross-TSG aspects shall be explicitly highlighted

## 2.1 RAN1

#### 2.1.1 Agreements

#### 2.1.2 Remaining Open issues

## 2.2 RAN2

#### 2.2.1 Agreements

**RAN2#131:**

[R2-2506252](file:///D:\OneDrive%20-%20Lenovo\3GPP\RAN2\TSGR2_131\Docs\R2-2506252.zip) Stage 2 CR for Rel-19 Multi-carrier enhancements Lenovo CR Rel-19 38.300 18.6.0 1005 1 B NR\_MC\_enh2

* The CR is agreed.

[R2-2506253](file:///D:\OneDrive%20-%20Lenovo\3GPP\RAN2\TSGR2_131\Docs\R2-2506253.zip) Introduction of Rel-19 Multi-carrier enhancements Lenovo CR Rel-19 38.331 18.6.0 5400 1 B NR\_MC\_enh2

* The CR is agreed.

#### 2.2.2 Remaining Open issues

## 2.3 RAN3

#### 2.3.1 Agreements

#### 2.3.2 Remaining Open issues

## 2.4 RAN4

#### 2.4.1 Agreements

#### 2.4.2 Remaining Open issues

## 2.5 RAN5

#### 2.5.1 Agreements

#### 2.5.2 Remaining Open issues

#### 2.5.3 Remaining Open issues with cross-WG dependencies

## 2.6 RAN6

#### 2.6.1 Agreements

#### 2.6.2 Remaining Open issues

## 3. Detailed progress in SA/CT WGs since last TSG meeting (for all involved WGs)

NOTE: This section only needs to be filled in for WI/SIs where there is a corresponding relevant WI/SI in SA/CT.

## 3.1 SAx/CTs

#### 3.1.1 Agreements with cross-TSG impacts

#### 3.1.2 Remaining Open issues with cross-TSG impacts

NOTE: This section should also flag any critical dependencies that need TSG attention.

## 4. References

NOTE: This can be e.g. a list of all related Tdocs in the affected WGs since last TSG, references to LSs, produced TRs/TSs, the work/study item description or status reports of previous TSGs.

**RAN1#122**

1. R1-2506511 Feature lead summary #1 on multi-cell scheduling with a single DCI Moderator (Xiaomi)
2. R1-2505229 Maintenance of Rel-19 Multi-carrier enhancements Huawei, HiSilicon
3. R1-2505392 Maintenance on enhancement of multi-cell PUSCH and PDSCH scheduling with a single DCI vivo
4. R1-2505440 Text proposals for Rel-19 Multi-carrier enhancements Xiaomi
5. R1-2505557 Remaining issues on multi-carrier enhancements. Samsung
6. R1-2505724 Maintenance on multi-cell scheduling with a single DCI OPPO
7. R1-2506026 Multi-carrier enhancements for NR Phase 3 MediaTek Inc.
8. R1-2506126 Maintenance on Multi-carrier enhancements for NR phase 3 ZTE Corporation, Sanechips

**RAN2#131**

1. [R2-2505251](file:///D:\OneDrive%20-%20Lenovo\3GPP\RAN2\TSGR2_131\Docs\R2-2505251.zip) Stage 2 CR for Rel-19 Multi-carrier enhancements Lenovo CR Rel-19 38.300 18.6.0 1005 - B NR\_MC\_enh2
2. [R2-2505252](file:///D:\OneDrive%20-%20Lenovo\3GPP\RAN2\TSGR2_131\Docs\R2-2505252.zip) Introduction of Rel-19 Multi-carrier enhancements Lenovo CR Rel-19 38.331 18.6.0 5400 - B NR\_MC\_enh2
3. [R2-2506252](file:///D:\OneDrive%20-%20Lenovo\3GPP\RAN2\TSGR2_131\Docs\R2-2506252.zip) Stage 2 CR for Rel-19 Multi-carrier enhancements Lenovo CR Rel-19 38.300 18.6.0 1005 1 B NR\_MC\_enh2
4. [R2-2506253](file:///D:\OneDrive%20-%20Lenovo\3GPP\RAN2\TSGR2_131\Docs\R2-2506253.zip) Introduction of Rel-19 Multi-carrier enhancements Lenovo CR Rel-19 38.331 18.6.0 5400 1 B NR\_MC\_enh2

10.11.2023 minor adaptations for RAN #102

02.08.2023 minor adaptations for RAN #101

26.04.2023 minor adaptations for RAN #100

01.02.2023 minor adaptations for RAN #99

27.10.2022 minor adaptations for RAN #98e

01.08.2022 minor adaptations for RAN #97e

21.05.2022 minor adaptations for RAN #96

10.01.2022 minor adaptations for RAN #95e

04.10.2021 minor adaptations for RAN #94e

08.08.2021 minor adaptations for RAN #93e

17.05.2021 minor adaptations for RAN #92e

28.01.2021 minor adaptations for RAN #91e

09.11.2020 minor adaptations for RAN #90e

31.08.2020 minor adaptations for RAN #89e

20.04.2020 minor adaptations for RAN #88e

18.02.2020 minor adaptations for RAN #87e

14.11.2019 minor adaptations for RAN #86

18.08.2019 minor adaptations for RAN #85

12.05.2019 minor adaptations for RAN #84

27.02.2019 minor adaptations for RAN #83

21.11.2018 completion levels with colours added (for RAN #82)

v04.81 31.07.2018 simplification of template and addition of cross-TSG aspects (for RAN #81)

v04.80 21.05.2018 minor adaptations for RAN #80

v04.79 26.02.2018 minor adaptations for RAN #79

v04.78 18.11.2017 minor adaptations for RAN #78

v04.77 06.08.2017 minor adaptations for RAN #77

v04.76 15.05.2017 minor adaptations for RAN #76

v04.75 31.01.2017 minor adaptations for RAN #75

v04.74 28.10.2016 minor adaptations for RAN #74

v04.73 01.09.2016 adaptations for RAN #73 (time units in extra Excel table, RAN6 reporting included)

v04.72 26.05.2016 adaptations for RAN #72 (introduction of NR & GERAN TUs)

v04.71 10.02.2016 minor adaptations for RAN #71

v04.70 30.10.2015 minor adaptations for RAN #70

v04.69 12.08.2015 minor adaptations for RAN #69

v04.68 21.05.2015 minor adaptations for RAN #68

v04.67 01.02.2015 minor adaptations for RAN #67

v04.66 16.11.2014 minor adaptations for RAN #66

v04.65 16.08.2014 minor adaptations for RAN #65

v04.64 22.05.2014 minor adaptations for RAN #64

v04.63 24.01.2014 restructuring for RAN #63 to cover Core & Perf. in one doc file

v03.62 11.11.2013 section 1.2.3 adapted for RAN #62

v03 11.08.2013 section 1.2.3 added on time budget

v02 07.05.2010 history added, some spelling corrections

v01 13.11.2009 First version of the template