3GPP TSG-RAN WG3 #112-e R3-21XXXX

Online, May 17 – 28, 2021

Agenda Item: 13.1

Source: Qualcomm (moderator)

Title: CB: # 36\_IAB\_general

Document for: Discussion

# Introduction

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| **CB: # 36\_IAB\_general**  **- note workplan**  **- revise if necessary and endorse BL CRs**  (QC - moderator)  Summary of offline disc [R3-212675](C:\\Temp\\RAN3 docs\\112\\Inbox\\Drafts\\CB # 36_IAB_general\\Inbox\\R3-212675.zip) |

This CB#36 discussion has two phases:

**Phase 1: Revise BL CRs as needed**

**Phase 2: Converge on revisions**

The deadline for Phase 1 is Thursday, May 20, end of day.

The deadline for Phase 2 is the same as for all email discussions, i.e., Tuesday, May 25, 12:00:00 UTC.

# For the Chairman’s Notes

Propose the following:

…

# PHASE 1: Discussion

## 3.1 R3-211489 – BL CR to XnAP on Rel-17 eIAB

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| --- | --- | --- |
| [R3-211489](C:\\Temp\\RAN3 docs\\112\\Inbox\\Drafts\\CB # 36_IAB_general\\Docs\\R3-211489.zip) | BL CR to XnAP on Rel-17 eIAB (Samsung, Nokia, Nokia Shanghai Bell, Verizon, Qualcomm Incorporated, CATT, ZTE, Fujitsu, AT&T, KDDI, Lenovo, Motorola Mobility, LG Electronics) | CR0532r4, TS 38.423 v16.5.0, Rel-17, Cat. B  Move to 13.1 |

Reason for change:

Support Rel-17 eIAB

Summary of change:

* **RAN3#111e**

To enable F1-C transfer, a new XnAP procedure, i.e., F1-C Traffic Transfer, is added.

**Q1: Do you agree with the CR? Do you propose changes?**

|  |  |  |
| --- | --- | --- |
| Company | Y/N | Comments |
| Qualcomm | Y |  |
| Samsung | Y |  |
| Nokia | Y |  |
| AT&T | Y |  |
| Lenovo | Y |  |
| Huawei | Y |  |
| Verizon | Y |  |
| ZTE | Y |  |
| Fujitsu | Y |  |
| Ericsson | Y |  |
| LGE | Y |  |

## 3.2 R3-211490 – CR on CP-UP separation for Rel-17 IAB

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| --- | --- | --- |
| [R3-211490](C:\\Temp\\RAN3 docs\\112\\Inbox\\Drafts\\CB # 36_IAB_general\\Docs\\R3-211490.zip) | CR on CP-UP separation for Rel-17 IAB (Nokia, Nokia Shanghai Bell, Samsung) | CR0020r2, TS 38.420 v16.0.0, Rel-17, Cat. B  Move to 13.1 |

Reason for change:

Stage-2 CR to support CP-UP separation over Xn for Rel-17 IAB

Summary of change:

In last RAN3 meeting (RAN3#110e), the following agreements were achieved to support the CP-UP separation:

**In Rel-17 Eiab, the following two scenarios are supported for CP-UP separation:**

**- Scenario 1: F1-C uses NR access link via M-NG-RAN node (non-donor node) + F1-U uses backhaul link via S-NG-RAN node (donor node)**

**- Scenario 2: F1-U uses backhaul link via M-NG-RAN node (donor node) + F1-C uses NR access link via S-NG-RAN node (non-donor node)**

Scenario 1 is very similar to EN-DC case, so to enable F1-C transfer, a new XnAP procedure, i.e., F1-C Traffic Transfer, is added.

**Q2: Do you agree with the CR? Do you propose changes?**

|  |  |  |
| --- | --- | --- |
| Company | Y/N | Comments |
| Qualcomm | Y |  |
| Samsung | Y |  |
| Nokia | Y |  |
| AT&T | Y |  |
| Lenovo | Y |  |
| Huawei | Y |  |
| Verizon | Y |  |
| ZTE | Y |  |
| Fujitsu | Y |  |
| Ericsson | Y |  |
| LGE | Y |  |

## 3.3 R3-211501 – CP-based Congestion Indication for IAB Networks

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| [R3-211501](C:\\Temp\\RAN3 docs\\112\\Inbox\\Drafts\\CB # 36_IAB_general\\Docs\\R3-211501.zip) | CP-based Congestion Indication for IAB Networks (Ericsson) | CR0737r3, TS 38.473 v16.5.0, Rel-17, Cat. B  Move to 13.1 |

Reason for change:

Enabling CP-based congestion detection in IAB Networks

Summary of change:

Adding a congestion indicator in GNB-DU STATUS INDICATION message.

**Q3: Do you agree with the CR? Do you propose changes?**

|  |  |  |
| --- | --- | --- |
| Company | Y/N | Comments |
| Qualcomm | Y |  |
| Samsung |  | Should be R3-212723, which can be endorsed. |
| Nokia | Y | Please use the latest CR template (CR-Form-v12.1). |
| AT&T | Y | Agree with Samsung’s comments. |
| Lenovo | Y |  |
| Huawei | Y | Maybe the WI code in the cover page should be NR\_IAB\_enh-core |
| Verizon | Y | Agree with Samsung comments above. |
| ZTE | Y | Agree with Samsung. |
| Fujitsu | Y | Agree with Samsung and Huawei’s comments. |
| Ericsson | Y | Point taken, will revise. |

# PHASE II…[if needed]

If needed

# References

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| [R3-211738](C:\\Temp\\RAN3 docs\\112\\Inbox\\Drafts\\CB # 36_IAB_general\\Docs\\R3-211738.zip) | Updated Workplan for Rel-17 IAB (Qualcomm Incorporated (WI Rapporteur)) | Work Plan |
| [R3-211489](C:\\Temp\\RAN3 docs\\112\\Inbox\\Drafts\\CB # 36_IAB_general\\Docs\\R3-211489.zip) | BL CR to XnAP on Rel-17 eIAB (Samsung, Nokia, Nokia Shanghai Bell, Verizon, Qualcomm Incorporated, CATT, ZTE, Fujitsu, AT&T, KDDI, Lenovo, Motorola Mobility, LG Electronics) | CR0532r4, TS 38.423 v16.5.0, Rel-17, Cat. B  Move to 13.1 |
| [R3-211490](C:\\Temp\\RAN3 docs\\112\\Inbox\\Drafts\\CB # 36_IAB_general\\Docs\\R3-211490.zip) | CR on CP-UP separation for Rel-17 IAB (Nokia, Nokia Shanghai Bell, Samsung) | CR0020r2, TS 38.420 v16.0.0, Rel-17, Cat. B  Move to 13.1 |
| [R3-211501](C:\\Temp\\RAN3 docs\\112\\Inbox\\Drafts\\CB # 36_IAB_general\\Docs\\R3-211501.zip) | CP-based Congestion Indication for IAB Networks (Ericsson) | CR0737r3, TS 38.473 v16.5.0, Rel-17, Cat. B  Move to 13.1 |