3GPP TSG-RAN WG3 #114-e draft R3-215942

Nov. 1~11, 2021

**Online**

**Agenda item: 9.3.6.1 (Other corrections)**

**Source: Samsung (moderator)**

**Title: Summary of offline discussion on CB: # 109\_CHO\_EarlyDataForward**

**Document for: Approval**

# Introduction

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| **CB: # 109\_CHO\_EarlyDataForward****- Check the solutions proposed****- Check details**(Samsung - moderator)Summary of offline disc [R3-215942](Inbox%5CR3-215942.zip) |

Phase-I Deadline: Monday, Nov. 8th, 2021, 12:00 UTC.

Phase-II Deadline: Tuesday, Nov. 9th, 2021, 12:00 UTC

# For the Chairman’s Notes

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# Discussions

During the online discussion, the issue mentioned in R3-215500 (i.e., **For the case of all the preparations of CHO cancelled, E1 interface seems not work to support to stop initiated early data forwarding for the source node with split CU-CP and CU-UP architecture.**) has been acknowledged, and the remaining issue is how to realize it in the specification. There are three options:

* Option 1: add a new IE (i.e., *CHO Early Data Forwarding Indicator* IE) under “**DRB To Modify Item**”, as proposed in R3-215501, and an example for the normative text is given as below:

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| If the *CHO Early Data Forwarding Indicator* IE set to “stop” is contained in the *DRB To Modify List* IE in the BEARER CONTEXT MODIFICATION REQUEST message, the gNB-CU-UP shall, if supported, stop the early data forwarding associated with the DRB (if already started).  |

* Option 2: add a new IE (i.e., *CHO Early Data Forwarding Indicator* IE) inside “DRB Data forwarding information” IE, and an example for the normative text is given as below:

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| If the *CHO Early Data Forwarding Indicator* IE set to “stop” is contained in the *DRB Data forwarding information* IEin the *DRB To Modify List* IE in the BEARER CONTEXT MODIFICATION REQUEST message, the gNB-CU-UP shall, if supported, stop the early data forwarding associated with the DRB (if already started).  |

* Option 3: add a new codepoint (e.g., stop forwarding) in *Early Forwarding COUNT Request* IE, and an example for the normative text is given as below:

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| If the *Early Forwarding COUNT Request* IE set to “stop early data forwarding” is contained in the *DRB To Modify List* IEin the BEARER CONTEXT MODIFICATION REQUEST message, the gNB-CU-UP shall, if supported, stop the early data forwarding associated with the DRB (if already started). |

Among those options, Option 3 changes the original intention of *Early Forwarding COUNT Request* IE, which aims at deriving the COUNT information, with the following normative text, i.e.,

“If the *Early Forwarding COUNT Request* IE is contained in the *DRB To Modify List* IE in the BEARER CONTEXT MODIFICATION REQUEST message, the gNB-CU-UP shall act as specified in TS 38.401 [2] and include the requested *FIRST DL COUNT Value* IE or *DISCARD DL COUNT Value* IE in the BEARER CONTEXT MODIFICATION RESPONSE message.”

Thus, Option 3 may not be a suitable place to realize stopping early data forwarding. For Option 1&2, both achieves the same effect, it seems that Option 2 would be more suitable for this new IE.

**Q: Do companies agree with option 2? If so, please also provide the comments to the normative text shown below option 2. If not, please indicate your preferred option and the corresponding normative text.**

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| Company  | Yes/No | Comments |
| Samsung  | Yes | Fine with the normative text under option 2 |
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# Conclusion, Recommendations [if needed]

If needed

# References

[1] R3-215500 Discussion for CHO early data forwarding (Samsung, Intel, CATT)

[2] R3-215501 E1 impact to support to stop CHO early data forwarding (Samsung, Intel, CATT)