3GPP TSG-RAN WG3 Meeting #121 R3-234527

**Toulouse, France, 21 – 25 Aug, 2023**

**Agenda Item: 9.2**

**Source: Huawei**

**Title: Summary of offline discussions on CB: # 7\_TNLAddress**

**Document for: Discussion and approval**

# 1 Introduction

**CB: # 7\_TNLAddress**

**- Check the issue and the IEs**

(moderator - HW)

Summary of offline disc [R3-234527](Inbox%5CR3-234527.zip).

# 2 For Chairman’s note

Propose the following:

**Proposal: Agree the R3-234527 (rel-16 CR) and R3-234609 (mirror CR).**

# 3 Discussion

## 3.1 Background

CRs in R3-233960/R3-233961 provide the following reason for change.

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| --- |
| The *Additional PDCP Duplication UP TNL Information* IE was introduced to indicate the additional TNL addresses for the PDCP duplication up to four legs, in the PDU session resource related IEs (see the agreed R3-204503). In the tabular this IE is referring to **UP Transport Parameters** which contains the cell group ID and its associated UP Transport Layer Information.  However, in the ASN.1, it is encoded as UP Transport Layer Information only as follows.  *additional-PDCP-Duplication-UP-TNL-Information UPTransportLayerInformation,* |

And the following change is proposed:

* In the Tabular, update the *Additional PDCP Duplication UP TNL Information* IE by referring the UP Transport Layer Information instead of the UP Transport Parameters.

## 3.2 Issues raised online

There were some comments online about the change - Update the *Additional PDCP Duplication UP TNL Information* IE by referring the UP Transport Layer Information.

* **Issue 1: for the *Additional PDCP Duplication UP TNL Information* IE, is there need to indicate more than one TNLA?**

The moderator understands that only one UP Transport Layer address is needed. If more than one TNL address is needed, the *Additional PDCP Duplication TNL List* IE can already provide up to two TNL addresses (copied below).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **>>Additional PDCP Duplication TNL List** |  | *0..1* |  |  | YES | Ignore |
| **>>>Additional PDCP Duplication TNL Item** |  | *1 .. <maxnoofAdditionalPDCPDuplicationTNL>* |  |  | – |  |

* **Issue 2: for the *Additional PDCP Duplication UP TNL Information* IE, is there need to indicate the cell group ID?**

The moderator understands there is no need to indicate the cell group ID. In this release, only the dual connectivity, and even the PDCP duplication for dual connectivity is supported. The cell group ID was introduced for future proof reason, to support up to four cell groups.

Also from the received MR-DC related message, it is pretty clear that the receiving NG-RAN node can understand to which the cell group (MCG or the SCG) the TNLA corresponds.

**Question 1: if you have different view or more clarification, please find views below.**

|  |  |
| --- | --- |
| Company | Comment |
| Nokia | After further discussion, we agree with the moderator. For the record, our understanding is that in case of current DC, where the TNL address info is exchanged between the hosting and the assisting nodes, it is known which one uses MCG and which one SCG, thus the ID is indeed not needed. Then, currently, there can be only one cell group per RLC entity (either MCG or SCG – and it is known by the node’s role), so only one TNL address is always assigned. |
|  |  |
|  |  |

Moderator’s summary:

Thanks for the input. Then there is no need for the *Additional PDCP Duplication UP TNL Information* IE to refer the UP Transport Parameters.

## 3.3 CRs

The updated CRs (with the cover page change) are now in the draft folder, please go directly update the CR or provide views in the table.

**Question 2: your further views to the CRs.**

|  |  |
| --- | --- |
| Company | Comment |
| Nokia | We agree with the CRs as updated. |
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Moderator’s summary:

Thanks for the input. Then the CRs are proposed to be agreed.

# 4 References

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| [R3-233960](Docs%5CR3-233960.zip) | Correction of Additional PDCP Duplication TNL List (Huawei, Deutsche Telekom, Ericsson) | CR1076r, TS 38.423 v16.14.0, Rel-16, Cat. F**CB: # 7\_TNLAddress****- Check the issue and the IEs** (moderator - HW)Summary of offline disc [R3-234527](Inbox%5CR3-234527.zip) |
| [R3-233961](Docs%5CR3-233961.zip) | Correction of Additional PDCP Duplication TNL List (Huawei, Deutsche Telekom, Ericsson) | CR1077r, TS 38.423 v17.5.0, Rel-17, Cat. A |