3GPP TSG-RAN WG3 #114-e R3-215944

1 – 11 Nov 2021

Agenda Item: 9.3.6.1

Source: Huawei (moderator)

Title: Summary of Offline Discussion on UL PDU Session Information

Document for: Approval

# Introduction

**CB: # 111\_ULPDUSession**

**- Check group understanding on the directions**

**- Find the proper wording and update the figure**

(HW - moderator)

Summary of offline disc [R3-215944](https://ericsson-my.sharepoint.com/personal/filip_barac_ericsson_com/Documents/WORK/3GPP.exe/Meetings/RAN3%23114-e.exe/CB%20%23%20111_ULPDUSession/Inbox/R3-215944.zip)

# For the Chairman’s Notes

**Propose to agree the following:**

**Proposal 1: TBD.**

**Proposal 1: TBD.**

# Discussion – First round

Based on the online discussion, it seems that we can make consensus for the following proposal.

**Proposal: In case of intra-system handover with direct data forwarding, for UL PDU session tunnel and DL PDU session tunnel, the DL PDU Session Information procedure (PDU Type 0) shall be used to send control information elements related to the PDU Session from NG-RAN to NG-RAN.**

If you have different understanding, please provide any view / comments on this topic and the proposal in bold below:

|  |  |
| --- | --- |
| Company | Comment |
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## Update of procedure texts

At the online discussion, there are views to remove “from UPF/NG-RAN to NG-RAN/UPF” from the sentence.

**Option 1:**

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| The purpose of the Transfer of DL PDU Session Information procedure is to send control information elements related to the PDU Session from UPF to NG-RAN.  In the case of uplink and downlink data forwarding the DL PDU Session Information procedure shall be used to send control information elements related to the PDU Session. |

Also there are views to provide clear descriptions to cover all possible cases.

**Option 2:**

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| The purpose of the Transfer of DL PDU Session Information procedure is to send control information elements related to the PDU Session from UPF to NG-RAN.  In the case of uplink and downlink data forwarding the DL PDU Session Information procedure shall be used to send control information elements related to the PDU Session from NG-RAN to UPF, or from UPF to NG-RAN, or from NG-RAN to NG-RAN. |

**Question: your preference of the above procedure text update?**

Please provide any view / comments on this topic and the question in bold below:

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| --- | --- |
| Company | Comment |
| Huawei | Option 2 is preferred, since the descriptions are much clear compared with option 1.  Also option 2 has the very symmetric structure as the previous paragraph.  - *……related to the PDU Session from UPF to NG-RAN*  In addition, it seems good to clearly specify the direct or indirect data forwarding as shown below.  - “In the case of uplink and downlink (in)direct data forwarding……” |
| CATT | Both options are OK. If option 2 is adopted,maybe we could change “from NG-RAN node to NG-RAN node” to “between NG-RAN nodes” |
| **Ericsson** | **Option 1** sounds clearer to us |
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## Update of Figure 5.4.1.1-1

The original figure in TS 38.415 is copied as below.



Figure 5.4.1.1-1: Successful Transfer of DL PDU Session Information

Then three options are provided for discussion.

* **Option A**: No change
* **Option B**: Update as proposed in 5164 as follows.



* **Option C**: To have separate figure for each case

**Question: Your preference of the Figure 5.4.1.1-1?**

Please provide any view / comments on this topic and the question in bold below:

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| --- | --- |
| Company | Comment |
| Huawei | Slightly prefer option B.  If option 2 in section 3.1 is finally selected, then do nothing is also acceptable to us, since the procedure texts is somehow clear. |
| CATT | Option B or Option A with a note that the message could also be transferred between NG-RAN nodes. |
| **Ericsson** | **Option A** or **C** |
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## Further aspects

Please add any further aspects that are in scope and were not included in the above:

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| --- | --- |
| Company | Comment |
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# Conclusion, Recommendations [if needed]

If needed

# References

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| --- | --- | --- |
| [R3-215164](https://ericsson-my.sharepoint.com/personal/filip_barac_ericsson_com/Documents/WORK/3GPP.exe/Meetings/RAN3%23114-e.exe/CB%20%23%20111_ULPDUSession/Docs/R3-215164.zip) | Correction for UL PDU Session Information (Huawei, China Telecom) | CR0029r1, TS 38.415 v15.3.0, Rel-15, Cat. F  \*\* |
| [R3-215165](https://ericsson-my.sharepoint.com/personal/filip_barac_ericsson_com/Documents/WORK/3GPP.exe/Meetings/RAN3%23114-e.exe/CB%20%23%20111_ULPDUSession/Docs/R3-215165.zip) | Correction for UL PDU Session Information (Huawei, China Telecom) | CR0030r1, TS 38.415 v16.5.0, Rel-16, Cat. A  \*\* |