**3GPP SA4#127 S4-240362**

**Revision of S4-240235**

**29 January – Feb 3, 2024, Sophia Antipolis, France**

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| *CR-Form-v12.0* | | | | | | | | |
| **PSEUDO CHANGE REQUEST** | | | | | | | | |
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|  | **26.522** | **CR** | pseudo | **rev** | **-** | **Current version:** | **0.2.0** |  |
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| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network |  |

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| ***Title:*** | **[5G\_RTP] On NPDS in the RTP header extension for PDU Set marking** | | | | | | | | | |
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| ***Source to WG:*** | Qualcomm Incorporated | | | | | | | | | |
| ***Source to TSG:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5G\_RTP | | | | |  | ***Date:*** | | | 31/01/2024 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-18 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-10 (Release 10) Rel-11 (Release 11) Rel-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)*  *Rel-17 (Release 17)*  *Rel-18 (Release 18)* | |
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| ***Reason for change:*** | | The number of PDUs in the PDU set (NPDS) field was adopted to be part of the PDU Set marking RTP header extension at the SA4 #126 meeting with the intent that the UPF can use it to correct the PDU Set size due to NAT46/NAT64, as recommended by the word “should” in Note 6 in clause 4.4.2.4.  However, (1) SA2 does not think NAT46/NAT64 is the only cause of the PDU Set size inaccuracy, according to SA2 LS S4-231612/S2-2311897, quoted “the UPF cannot be aware of any PDU/PDU set size change caused by, e.g., the NAT function due to the IP conversion **and/or other** functionalities in N6 which may impact the PDU size”. (2) Even for NAT46/64, there are multiple potential solutions, as discussed in a session dedicated to this topic on Nov 15, 2023 during the SA4 #126 meeting, some of which do not involve UPF.  At the moment, Note 6 is not in line with the current understanding in SA2 or SA4. | | | | | | | | |
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| ***Summary of change:*** | | Revise Note 6 | | | | | | | | |
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| ***Consequences if not approved:*** | | Note 6 may be misleading. | | | | | | | | |
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| ***Clauses affected:*** | |  | | | | | | | | |
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|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  |  | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  |  | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  |  | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
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| ***This CR's revision history:*** | |  | | | | | | | | |

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# Proposed changes

# In clause 4.4.2.4:

\* \* \* \* 1st change \* \* \* \*

NOTE 4: This field may be optionally present given the signaling of the “pdu-set-size” extension attribute in the SDP offer/answer negotiation as per Clause 4.4.2.5.

NOTE 5: Guidelines to set the PDU Set Size in bytes by an Application Server are provided in Clause 4.4.2.6.3.

NOTE 6: The use of NPDUS for NAT46/NAT64 correction is for FFS.

\* \* \* \* End of 1st change \* \* \* \*