**3GPP TSG-WG SA4 Meeting #124**

**Berlin, DE, 22nd – 26th May 2023** *revision of S4-230801*

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| *CR-Form-v12.2* | | | | | | | | |
| **PSEUDO CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **26.522** | **CR** |  | **rev** | **1** | **Current version:** | **0.1.1** |  |
|  | | | | | | | | |
| *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] SDP signaling for PDU Set and EoB marking | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Qualcomm Inc. | | | | | | | | | |
| ***Source to TSG:*** | S4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5G\_RTP | | | | |  | ***Date:*** | | | 16th May 2023 |
|  |  | | | |  | |  | | |  |
| ***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-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
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| ***Reason for change:*** | | This pCR provides some corrections to the SDP signaling of the RTP header extension for PDU Set and EoB marking. | | | | | | | | |
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| ***Summary of change:*** | |  | | | | | | | | |
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| ***Consequences if not approved:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***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:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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| **First Change** |

#### 4.4.2.5 SDP Signaling

The signaling of the PDU Set and End-of-Burst marking RTP header extension shall follow the SDP signaling design and the syntax and semantics of the “extmap” attribute as outlined in RFC8285.

The URN for the PDU Set marking shall be set to "**urn:3gpp:pdu-set-marking:rel-18**".

The header extension identifier shall be registered with IANA as maintained in [Real-Time Transport Protocol (RTP) Parameters (iana.org)](https://www.iana.org/assignments/rtp-parameters/rtp-parameters.xhtml#rtp-parameters-10).

The ABNF syntax for the extmap attribute for the signaling of PDU Set Information and End of Burst marking is defined as follows:

*extmap-attr="a=extmap:" 1\*5DIGIT ["/" direction] SP "urn:3gpp:pdu-set-marking:rel-18" SP extensionattributes*

*extensionattributes = \*3(format / "pdu-set-size")*

*format = "short" / "long"*

The extension attributes have the following semantics:

* format: indicates if the RTP header extension for PDU Set and End-of-Burst marking uses the 1-byte (short) or the 2-byte (long) format
* pdu-set-size: if present, this attribute indicates that the application server will provide the PDU Set size in bytes in the RTP header extension with every RTP packet. This results in an additional 3 bytes of length for the RTP header extension.