**3GPP TSG SA WG4 Meeting #129-eS4-241448**

**Online August 19 2024- August 23 2024**

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| *CR-Form-v12.3* | | | | | | | | |
| **Pseudo CHANGE REQUEST** | | | | | | | | |
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|  | **TR 26.822** | **CR** | **-** | **rev** | **-** | **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:*** | [FS\_5G\_RTP] Key Issue #13 Description text update to account for pdu set with multiple different media types | | | | | | | | | |
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| ***Source to WG:*** | Huawei, Hisilicon | | | | | | | | | |
| ***Source to TSG:*** | SA WG4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | FS\_5G\_RTP\_Ph2 | | | | |  | ***Date:*** | | | 9/8/2024 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **C** |  | | | | | ***Release:*** | | | 19 |
|  | *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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
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| ***Reason for change:*** | | Current KI #13 description adds different media types for PDU Set handling, in this update we also introduce the case of PDU Set consisting of multiple media types that may occur in some cases. | | | | | | | | |
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| ***Summary of change:*** | | Update the text to include study PDU Set of multiple media types | | | | | | | | |
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| ***Consequences if not approved:*** | | Unclear key issue description, excluding potentially relevant cases. Inadequate signaling for real cases | | | | | | | | |
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| ***Clauses affected:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **x** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **x** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **x** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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| CHANGE 1 |

## 5.13 Key Issue #13: Applicability of the RTP header extension for PDU Set marking to different PDU Set types

### 5.13.1 Description

In the Rel-18 work, it was mainly assumed in TS 26.522 [2] that the PDU Set framework is applied to PDU Sets comprising either video frames or slices. However, the PDU Set definition in TS 23.501 [3] does not limit a PDU Set to be a video frame or slice.

***PDU Set:*** *One or more PDUs carrying the payload of one unit of information generated at the application level (e.g., frame(s) or video slice(s) etc. for eXtended Reality (XR) Services). All the PDUs of a PDU set are transmitted within the same QoS Flow.*

The objective of this key issue is to study the applicability of the PDU Set concept for the cases where the PDU Set is not a video frame or slice.

This key issue aims at addressing the following points:

- Study and document applicability criteria of PDU Set marking to different media types and formats.

- Whether and how to apply PDU Set marking to non-video data: metadata, audio, text, image.

- Whether and how to apply PDU Set marking to picture partitioning constructs other than slices such as tiles.

- Whether and how to apply PDU Set marking to combined media content (e.g. packets that have a combination of different types of media).