**3GPP TSG- Meeting #**

**, FL, United States, 19 -**

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| *CR-Form-v12.2* |
| **PSEUDO CHANGE REQUEST** |
|  |
|  |  | **CR** |  | **rev** |  | **Current version:** |  |  |
|  |
| *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 | **X** | Radio Access Network |  | Core Network | **X** |

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|  |
| ***Title:***  |  |
|  |  |
| ***Source to WG:*** | , Tencent |
| ***Source to TSG:*** |  |
|  |  |
| ***Work item code:*** |  |  | ***Date:*** |  |
|  |  |  |  |  |
| ***Category:*** |  |  | ***Release:*** |  |
|  | *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 canbe 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)* |
|  |  |
| ***Reason for change:*** |  |
|  |  |
| ***Summary of change:*** |  |
|  |  |
| ***Consequences if not approved:*** |  |
|  |  |
| ***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 is not yet completed, but will be extended with the detailed definition. It is also expected that test material will be provided for the operation points. |
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| ***This CR's revision history:*** |

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| --- | --- | --- | --- |
| [**S4-241895**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_130_Orlando/Docs/S4-241895.zip) | [VOPS] System Operation Points | Qualcomm Incorporated, Tencent | Thomas Stockhammer |

 **Revisions**: none**Online Discussion**: * **Session 2: 16:00-18:00**
* Thomas presents.
* Thomas: This is a starting point and merely proposing a methodology, i.e. combination of video OP and CMAF media profile.
* Waqar: Why would we bring CMAF in TS 26.265, it should be common to all video operating points not to CMAF. I don’t think this belongs in TS 26.265.
* Thomas: I believe this is valuable to be documented. TS 26.511 is different, it specifies the profiles. My preference is TS 26.265 but if people prefer in TS 26.511… If you put it in TS 26.511 (5GMS), this is weird because this doesn’t need to be bound to 5GMS. 5GMS will just use this.
* Gilles: I don’t think 26.511 is the place to have the mapping with CMAF. But if TS 26.265 remains purely video, then we would need to have yet another spec to have the systems part.

**Decision**:* Session 2:  parked with offline discussion to resolve the question of where to put the system aspects.

[**S4-241895**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_130_Orlando/Docs/S4-241895.zip) is **noted/agreed/revised**. |

# ===== CHANGE =====

## 7.1 Introduction

System operation points define a restricted subset of video operation points mapped to delivery options.

Table 7.1-1 provides an overview of defined system operation points. Note that the operation points need to conform to both requirements, so they are an intersection.

Editor’s Note: This table is considered as a starting point and alignment with above clauses needs to happen in terms of terminology.

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Table 7.1-1 System Operation Points

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| --- | --- | --- | --- |
| Name | Video Operation Point | CMAF Media Profile | Definition |
| 3GPP-AVC-HDTV-CMAF | 3GPP-AVC-HDTV | 'cfhd' (see CMAF) | 7.2 |
| 3GPP-HEVC-HDTV-CMAF | 3GPP-HEVC-HDTV | 'chh1’ | 7.3 |
| 3GPP-HEVC-HD-HDR-CMAF | 3GPP-HEVC-HD-HDR | 'chd1' or 'clg1'  | 7.4 |
| 3GPP-HEVC-UHD-HDR-CMAF | 3GPP-HEVC-UHD-HDR | 'chd1' or 'clg1' | 7.5 |
| 3GPP-HEVC-3DTV-CMAF | 3GPP-HEVC-3DTV | Not defined yet | 7.6 |
| 3GPP-MVHEVC-3DTV-CMAF | 3GPP-MVHEVC-3DTV | Not defined yet | 7.7 |

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Editor’s Note: In the remainder of the clause, mapping to DASH delivery needs to be done in alignment with TS 26.116.