**3GPP TSG-SA4 Meeting #S4-231713**

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| *CR-Form-v12.2* |
| **PSEUDO CHANGE REQUEST** |
|  |
|  | **26.565** | **CR** | pseudo | **rev** |  | **Current version:** | **0.6.0** |  |
|  |
| *For* [***HELP***](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:***  | [SR\_MSE] Device capabilities metadata  |
|  |  |
| ***Source to WG:*** | Tencent Cloud |
| ***Source to TSG:*** | S4 |
|  |  |
| ***Work item code:*** | SR\_MSE |  | ***Date:*** | 2023-11-03 |
|  |  |  |  |  |
| ***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 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:*** | Adds the metadata to convey the device capabilities to the split rendering server. |
|  |  |
| ***Summary of change:*** | * + A JSON object that includes the following parameters:
1. The device profile if available
 |
|  |  |
| ***Consequences if not approved:*** | As indicated in 8.4.1, the split-rendering server needs to know the capabilities of the device to define the split-rendering process on the edge. This needs to be achieved either by high-level signaling of the device profile (e.g. pixel streaming profile) and/or by listing the detailed capabilities of the devices. Currently, such a feature is missing. |
|  |  |
| ***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:*** |  |

|  |
| --- |
| **1st Change** |

## 8.4 Split Rendering Formats for Session Setup and Negotiation

### 8.4.1 General

In Figure 5.2.1-1 and 5.2.1-2, step 5 defines the negotiation between the SRC and SRS for the split-rendering configuration. In most simple case, the SRC provides SRS the capabilities of the device and if SRS can accommodate the split-rendering processing that addresses the device, it confirms the configuration. In such scheme, the SRS is responsible to make the decision and no back-and-forth negotiation occurs.

### 8.4.2 Device capabilities

The device capabilities shall be in JSON format. It shall have the following information.

Table 8.4.2-1: Device capabilities object

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Cardinality** | **Description** |
| splitRenderingProfile | URL | 0..N | Device split-rendering profile identifier. The profile identifiers are listed in Annex C for each profile. |
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### 8.4.3 Split Rendering Configuration Format