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

**, US,**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *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)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network |  | Core Network | **X** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***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 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)* | |
|  |  | | | | | | | | | |
| ***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. |

### 8.4.3 Split Rendering Configuration Format