**3GPP TSG-SA WG4 #132S4-250864**

**Fukuoka City, 19-23 May 2025**

**Source:** **Nokia**

**Title: [SR\_IMS] pCR MF Capabilities**

**Spec: 3GPP TR 26.567 v1.1.0**

**Agenda item:** **10.5**

**Document for: Discussion and agreement**

1. **Introduction**

The work item Split Rendering (SR) over IMS (SR\_IMS) was approved in SA#103 in [SP-240492](https://www.3gpp.org/ftp/TSG_SA/TSG_SA/TSGS_103_Maastricht_2024-03/Docs/SP-240492.zip). One of the objectives of the work item is:

1. **Identify interfaces and define network APIs for delivering media from 3GPP and non-3GPP services for split rendering of XR services.**

In SA4#131, an API for MF to expose its split rendering capabilities to a DC-AS over MDC2 was proposed in [S4-250200](https://www.3gpp.org/ftp/tsg_sa/wg4_codec/TSGS4_131_Geneva/Docs/S4-250200.zip). At the time, the MF profiles for split rendering were not well defined in the SWG, so the API text was put in brackets. [S4-250200](https://www.3gpp.org/ftp/tsg_sa/wg4_codec/TSGS4_131_Geneva/Docs/S4-250200.zip) proposed two options, option one exposing general services and service profiles and option two exposing SR specific services. Now that MF profiles for split rendering are agreed and adopted in the draft technical specification, we believe the brackets are not needed and option one is no longer applicable.

1. **Proposal**

It is proposed to agree the following changes to TR 26.567 v.1.1.0.

\* \* \* First Change\* \* \* \*

The MF shall provide a RESTFUL API to the DC AS over MDC2 once an application DC for SR is established. The API shall be:

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| **Operation name** | **Allowed HTTP method(s)** | **Description** |
| Get SR Profiles | GET | List of MF service profiles for SR supported by the MF based on its current operating conditions. MF service profiles for SR are defined as specified in clause 4.5.1.1. Each profile identified by a unique URN. The MF shall return a list of URNs of the profiles it can support based on its current operating conditions.  |
| Get Graphics Capabilities(SR Profile) | GET | Enumerate the graphics capabilities of the MF. This information may detail the rendering capacity of the MF. For example, GPU type, driver version/type, graphics runtimes and engines, VRAM , Scene description processing capabilities etc. |
| Select SR Profile(SR Profile) | SET | Select the SR profile whose URN is provided as argument to the SET operation. The SR profile whose URN is provided as argument shall be selected from the list of SR profiles returned by the Get SR Profiles operation. |

\* \* \* End Changes \* \* \* \*