3GPP TSG-SA WG4 Meeting #131-bis-eS4-250437

Online, 11 – 17 April 2025

**Source: NTT**

**Title: Pseudo-CR on Updates on Solution#1**

**Spec: 3GPP TR 26.830 v0.3.1**

**Agenda item: 10.8**

**Document for: Agreement**

**1. Reason for Change**

Descriptions related to non-3gpp codecs in solution#1 were not concluded at SA4#131. This pCR proposes to keep the descriptions agreed in RTC SWG in SA4#131 by removing the brackets for suspension.

**2. Proposal**

It is proposed to agree the following changes to 3GPP TR 26.830.

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

### 6.2.2 Proposed Media and Codec Profile for RTC

This solution proposes the following guidance as the 3GPP profile of the media capability and codec for RTC endpoints in the 3GPP technical specification for RTC media profile.

- RTC endpoints comply the codec requirements for MTSI client specified in 3GPP TS 26.114 [3] and the codec requirements for XR phone specified in 3GPP TS 26.119 [4].

- The support condition of each codec for each media (i.e., mandatory, optional, conditional) in the RTC endpoints is taken over the condition specified in 3GPP TS 26.114 [3] and 3GPP TS 26.119 [4].

Table 6.2.2-1, Table 6.2.2-2 and Table 6.2.2-3 provides the informational summary of the supported media and codecs for MTSI client specified in 3GPP TS 26.114 [3] and for XR phone specified in 3GPP TS 26.119 [4]. The definitions of the notation codes in these tables are as follows:

- M: Mandatory to support (specified as "shall" in TS documents.)

- R: Recommended to support (specified as "should" in TS documents.)

- O: Optional to support

Table 6.2.2-1. Summary of audio/speech codecs for MTSI client and XR phone

|  |  |  |
| --- | --- | --- |
| Audio codecsReference | MTSI clientTS 26.114 [3] | XR phoneTS 26.119 [4] |
| AMR | M | - |
| AMR-WB | M | - |
| EVS | M | Decoding: MEncoding: M |
| IVAS | R(M, if immersive) | Decoding: REncoding: R |
| AAC-ELDv2 | - | Decoding: MEncoding: R |

Table 6.2.2-2. Summary of video codecs for MTSI client and XR phone

|  |  |  |
| --- | --- | --- |
| Video codecsReference | MTSI clientTS 26.114 [3] | XR phoneTS 26.119 [4] |
| H.264 CBP Level 1.2 | M | - |
| H.265 Level 3.1 | M | - |
| H.264 CHP Level 4.0 | R | - |
| H.265 Level 4.0 | R | - |
| H.264 CHP Level 5.1 | O(M, if ITT4RT) | - |
| H.264 PHP Level 5.1 | - | Decoding: MEncoding: M |
| H.265 Level 5.1 | O(M, if ITT4RT) | Decoding: MEncoding: M |
| H.264 PHP Level 6.1 | - | Decoding: REncoding: - |
| H.265 Level 6.1 | - | Decoding: REncoding: - |

Table 6.2.2-3. Summary of scene processing capabilities for XR phone

|  |  |
| --- | --- |
| Scene processing capabilitiesReference | XR phoneTS 26.119 [4] |
| SD-Rendering-glTF-Core | M |
| SD-Rendering-glTF-ext1 | R |
| SD-Rendering-glTF-ext2 | R |
| SD-Rendering-glTF-interactive | R |

RTC architecture defined in TS 26.506 supports Web Apps running in Web browsers. Web browsers support variety of codecs specified in IETF RFC 7742 [10] and IETF RFC 7874 [11] for WebRTC Applications. A Media Function (which is one of the RTC endpoints) can accommodate RTC endpoints of the Web App type. However, non-3GPP media codecs are not supported in the RTC architecture. Therefore, this solution also proposes to introduce the following NOTE in the 3GPP technical specification for RTC protocols and APIs, 3GPP TS 26.113 [2].

- NOTE: If an RTC endpoint is a Media Function of an RTC AS, the RTC endpoint can support one or more media codecs supported by web browsers for WebRTC applications in order to accommodate Web Apps running over a Web browser of the UE. However, non-3GPP media codecs are not supported.

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