**Source: Samsung Electronics Co., Ltd.**

**Title: [FS\_5GSTAR] pCR on clause 6.5: Editor’s updates on conversational**

**Agenda Item: 10.9**

**Document for: Discussion and Agreement**

1. **Proposed text**

\*\*\* Change #1 \*\*\*

### 6.5.4 Instantiation #1: MTSI-based architecture extension



**Figure 6.5.4-3: AR-DCMTSI client to AR-DCMTSI client call establishment (STAR UE)**

Assumptions:

- AR immersive media is sent over RTP/UDP/IP.

- AR immersive media is negotiated and configured using SDP.

- A data channel application provides rich user experiences by utilizing both user’s underlying scene and pose of objects representing users in the scene.

Procedures:

1-14. Same as the procedures for AR-MTSI client to AR-MTSI client call establishment except that the SDP contains a data channel media description for the bootstrap data channel.

15. The STAR UE retrieve a data channel application through the bootstrap data channel.

16. Any additional data channels created and used by the data channel application itself are requested.

17. The AR-DCMTSI client initiate SIP re-INVITE request, containing an updated SDP offer to establish those data channels.

18. The data channels for the data channel application has been established.

19. The established data channel may be used by the data channel application JavaScript(s).

\*\*\* End of Change #1 \*\*\*

\*\*\* Change #2 \*\*\*

6.5.x Summary of AR conversational instantiations

Table 6.5.x-1 shows the list of potential instantiations and how they may be composed from each building block described in clause 6.5.1.

**Table 6.5.x-1: Summary of each instantiation for AR conversational services**

|  |  |  |
| --- | --- | --- |
| **Building Block** | **Instantiation#1:**  **MTSI extension** | **Instantiation#2:**  **DCMTSI extension** |
| Call setup and control | Conventional MTSI | Conventional MTSI with Data Channel |
| Media Formats | ~~as specified in clause 6.2.5~~  3D video (STAR) / 2D video (EDGAR),  audio (mono/stereo/immersive),  scene description | ~~as specified in clause 6.2.5~~  3D video (STAR) / 2D video (EDGAR),  audio (mono/stereo/immersive),  scene description |
| Delivery | RTP/UDP/IP, SCTP/DTLS/UDP/IP | RTP/UDP/IP, SCTP/DTLS/UDP/IP |
| 5G system integration | Need policy exchange for AR-(DC)MTSI client (P-CSCF and PCF) | Need policy exchange for EDGAR-DCMTSI client (P-CSCF and PCF) |

\*\*\* End of Change #2 \*\*\*

1. **Proposal**

We propose to include the text in section 1 of this document as a pCR to section 6.5 of TR 26.998.