

IETF CLUE WG

Title: CLUE WG response to LS to IETF CLUE WG on media handling aspects related to CLUE protocol

Source: CLUE WG
To: 3GPP TSG SA WG 4
Cc: 3GPP TSG CT WG1

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Attachments:

1. Overall

3GPP SA4 asked IETF CLUE to inform SA4 on the progress of CLUE work group on any media handling aspects related to CLUE protocol.

2. CLUE status:

It was brought to our attention that many CLUE documents are already endorsed by 3GPP in 3GPP TS 24.103 (<http://www.3gpp.org/DynaReport/24103.htm>).

From the attached document (SP-140483_S4-140989 Rel-13_WID IMS_TELEP) we conclude that 3GPP SA4 has an interest in the following aspects and we will try to respond what is the CLUE status for each item

- Media codecs (speech, video, real-time text) for IMS-based telepresence – CLUE does not recommend any specific codecs. The topic is out of scope for CLUE WG.
- Media configuration including session setup and control procedures for IMS-based telepresence, and media provisioning aspects of capability negotiation based on SDP and CLUE protocols, etc. – This is the major focus of the CLUE WG as specified in the WG charter ([clue/charter/](#)). The following documents defines these topic:
 - Framework for Telepresence Multi-Streams in [draft-ietf-clue-framework-21](#) defines a framework for a protocol to enable devices in a telepresence conference to interoperate. This document is now going to publication which means that the CLUE WG agrees that it is ready
 - CLUE signaling in [draft-ietf-clue-signaling-05](#) defines how to use SIP and SDP to establish a Telepresence call. The document is still a work in progress.
 - The CLUE protocol is specified in [draft-ietf-clue-protocol-03](#) specifies the negotiation of a CLUE telepresence session. It is using the XML schema for the CLUE data model specified in [draft-ietf-clue-data-model-schema-07](#). These documents are work in progress but they are quiet mature.

- Set-up and control of the individual media streams between clients including interactivity, such as adding and dropping of media components, as well as end-to-end QoS handling, etc. for IMS-based telepresence. – This is not in the scope of the CLUE WG, the support for set-up and control of individual streams is based on existing tools that were specified by other WGs like AVTcore, AVText, Payload and MMUSIC.
- Data transport including usage of RTP / RTCP protocols, RTP profiles, RTP payload formats, RTP mapping, media synchronization, etc. for IMS-based telepresence, e.g., in relation to negotiation and establishment of the CLUE data channel, and exchange of CLUE ADVERTISEMENT and CONFIGURE messages – This topic is discussed in the CLUE signaling document and some aspects of mapping RTP streams to CLUE Media Captures are discussed in [draft-ietf-clue-rtp-mapping-04](#)
- Requirements and guidelines for media adaptation in IMS-based telepresence, for example in response to changes of network bandwidth – this is not in the scope of CLUE work. A general solution for congestion control is discussed in the IETF RMCAT WG.