

CLUE Framework Status and Issues

IETF90 - Toronto

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draft-ietf-clue-framework-16

Changes in Framework-15 and 16

- Add Global CSE List
- Disallow Area of Capture for audio, and add audio capture sensitivity pattern. Remove audio channel format attribute.
- Add voice activated switching example
- Various clarifications and editorial changes
- Few more changes coming based on pre-WGLC comments
 - Thank you to Christian and Paul for detailed pre-WGLC review and suggestions

Encoding Group multiple media types

- Can an Encoding Group include multiple media types?
- Section 9.2 suggests it is allowed
- Example in 12.1.2 uses audio and video in the same Encoding Group
- Data model does not allow it
 - XML schema allows it, but text description says just one media type
- Only impact seems to be whether maxGroupBandwidth can apply across media types
- Proposal – say it is allowed, and update framework and data model to make it clear

Captures not in any CSE

- Do we allow defining a Media Capture that is not included in any Capture Scene Entry?
- Seems to make sense to allow it, particularly for MCs without an encoding group, that could be included in an MCC
- Are there any potential problems with an MC that is not in a CSE?
- Proposal – clarify captures do not have to be in any CSE

Area of Capture – for Video Only?

- Area of Capture attribute was allowed for any media type
- Then we said not for audio
- Do we mean use it for video only?
- Or do we mean use it for anything except audio?
- What makes sense for text? What else is there to consider?
- Proposal – video only

Terms and avt-ext Grouping Taxonomy

- refer to draft-ietf-avtext-rtp-grouping-taxonomy-02
- There is some confusion, because some terms mean different things
- Taxonomy already describes several CLUE terms and how they relate to taxonomy terms.
- Do we also want CLUE Framework to reference the taxonomy doc? Or define anything for CLUE using taxonomy terms?
- Proposal – do not change Media Capture term, possibly clarify relation to taxonomy. Consider changing/clarifying other terms.

Terms and avt-ext Grouping Taxonomy

| CLUE | Taxonomy |
|--|--|
| Capture Device | Refers to CLUE, “physical entity performing a Media Capture” |
| Media Capture | Media Capture and Media Source |
| Capture Encoding | Refers to CLUE, “Encoded Stream related to CLUE specific semantic information” |
| Stream - Capture Encoding sent via RTP | RTP Stream |
| Endpoint | Refers to CLUE - A Participant with one or more End Points |
| CLUE capable device? | |
| MCU | Mentions MCU in terms of existing common usage, but doesn't really define it |
| Middlebox? | |

Rename CSE and Global CSE list

- Proposal to change the name of terms, to better match what they really mean
- Capture Scene Entry (CSE) -> Capture Scene View (CSV)
- Global CSE List -> Global View List
 - An item in the Global View List is a Global View
 - A Global View is a set of CSVs

Other issues still under discussion

- orientation of coordinate system – camera left/right, front/back
- synchronisation ID clarifications
- media type of a Simultaneous Transmission Set
- example 12.1.1 treatment of audio captures

Open Tickets

- #35 consistency with data model - ongoing