CLUE framework updates

IETF 85, Atlanta
“Capture encoding”

• “Capture encoding” was term agreed by the list to define a specific instantiation of a media capture to an encoded stream to be sent from provider to consumer.
“Capture encoding” changes

– Framework document 07 adds this to the defined terms section

– New term adopted throughout where appropriate
  • Replaces use in earlier revisions of overloaded terms “stream” and “encoding”

– Wording clarification only; no change in meaning to the concepts or message exchanges that the framework describes
Simulcast concerns

• At San Jose interim meeting, concerns were raised about the implicit support for simulcast
  – The way the framework was defined, only very constrained providers could avoid advertising support for simulcast
  • Any media capture associated with an encoding group of more than one encoding would obligate the provider to support simulcast for that media capture
  • Likely that many providers would end up with all media captures in their own groups, limiting usefulness
Maximum capture encodings

• New media capture attribute “Max capture encodings” introduced to remove implicit support for simulcast
  – Defaults (when absent) to 1
    • More capable providers may use higher numbers for all or some of their declared media captures
    • Higher values of this attribute would still be capped by encoding groups’ limitations
    • Intended to lower the cost of adding support for CLUE to an existing device
“Point on Line of Capture”

• The previous “Axis of Capture Point” attribute has been replaced by “Point on Line of Capture”.
  – This is as agreed on the list
    • Change clarifies that this attribute defines a point between the “point of capture” and the “area of capture”