Draft Changes

- Protocol name changes
  - Simple has been replaced by AVDECC
  - SDP -> ADP
  - SCMP -> ACMP
  - SECP -> AECP

- AVDECC-Msg changes
ADP

- boot_id -> announce_index

- Added fields
  - as_grandmaster_id
  - default_audio_format
  - default_video_format
  - association_id

- Announces occur at MAX(1,valid_time/4)
Define supported formats for non-enumeration setup

- supported sample rates
- maximum number of channels entity can accept
  - this can be much more than what it actually renders, e.g. a mono speaker may be able to accept a 8 channel stream and render one of these
- channel formats supported
default_video_format

- The current or default video format to be used for new streams
- Unlike default_audio_format this only specifies one format
• **default_format**
  - specifies the default_audio_format or default_video_format to use for the connection

• **new status codes**
  - errors for default_format
How default_format works

- Entities publish availability with ADP
- Controller discovers entities which it wants to connect
- Controller finds a common supported format
  - sample rates must match and must be able to handle channels
- Controller uses ACMP to connect entities with specified format
AECP

- Unicast not multicast

- AVDECC-Msg changes
  - Simplified protocol - Only one message payload per packet. No variable length fields.
  - Schema is smaller
  - Schema addresses contain more detailed data structures instead of individual values
  - Fewer "round trips" are needed for a controller to do initial required enumeration of an end station
AECP continued

- AVDECC-Msg changes continued
  - Schema Address format contains 3 levels of hierarchical containers, data structure type code and 3 dimensional indexing, and allows for vendor specific extensions.
  - Schema containers can contain control point description lists to allow for dynamic enumeration of media, stream, or device control points.
  - Controller description allows for many data types with min/max/step/default values and control point groups in arrays.
AECP continued

- Data Types declared
  - Media Formats Descriptor added, allowing for vendor extensions
  - Stream Formats Descriptor added, allowing for SDP payload, mime types, and vendor extensions as well as all supported 1722 packet formats
  - Media Source/Sink Types enumerations added
  - Codes for units for distance, frequency, level for use with control points added