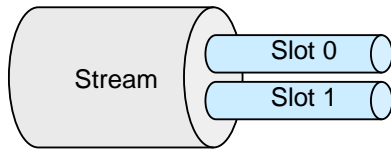


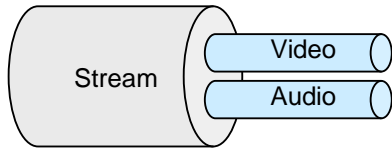
# IEEE P1722.1 Media Formats

Concept of AVB **Streams** having one or more **Slots** (per R. Silfvast)



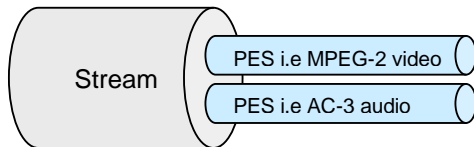
## 61883-2 SD-DVCR

- Two Slots. One containing DV compressed video and the other stereo 16bit PCM audio



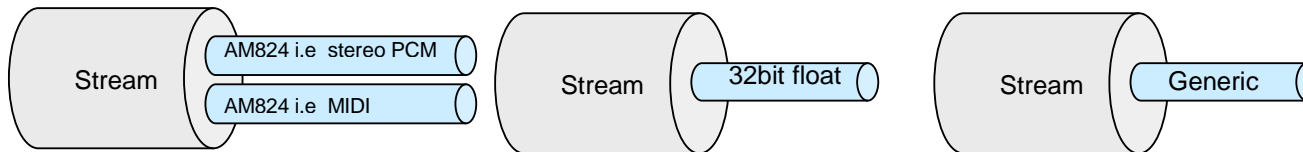
## 61883-4, -7 MPEG Transport Stream

- Slots contain Packetised Elementary Streams (PES)
- Each PES maybe compressed video or audio, i.e MPEG-2 video and Dolby AC-3 audio



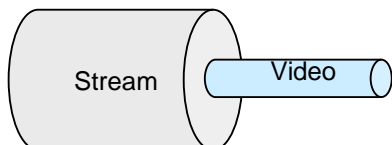
## 61883-6 Audio and Music

- Slots contain AM824, 32bit float or generic 32bit data
- If 32bit float PCM or generic then we can only have one Slot

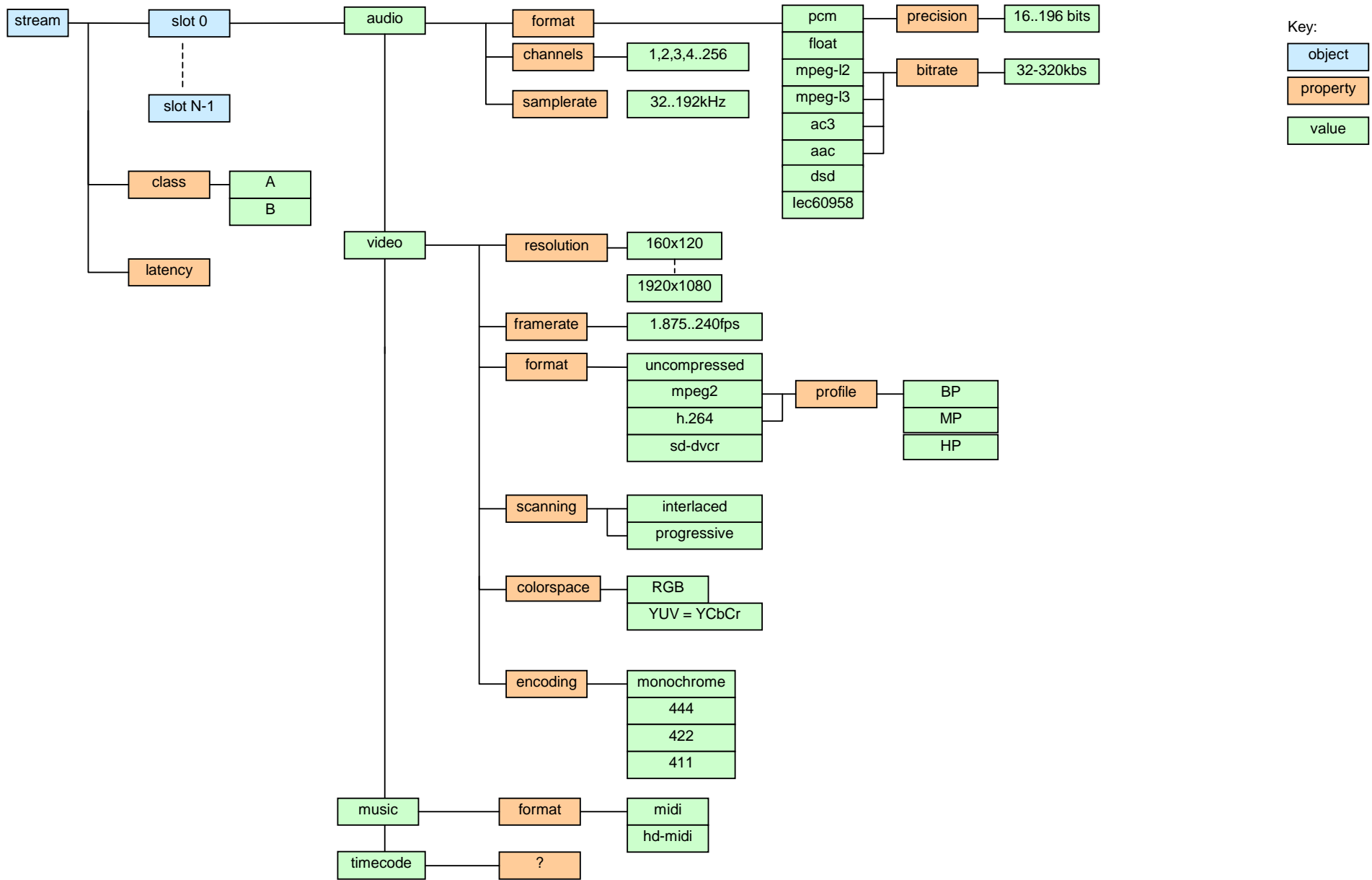


## 61883-8 Video & IIDC

- Only one Slot allowed – contains uncompressed video



The following diagram documents the possible IEEE P1722 media formats. Not all combinations are possible. For instance 48kHz, stereo, 24bit pcm is possible, but 192kHz, 16channel, mpeg-l2 is not..



## Formats may be represented using OSC type notation

### AM824 Audio

- slot0/audio/2channel/48kHz/pcm/24bits
- slot0/audio/2channel/44.1kHz/iec60958
- slot0/audio/32channel/96kHz/float

### AM824 Music+Audio

- slot0/music/midi
- slot1/audio/2channel/32kHz/pcm/16bits

### Compressed Audio and Video in a Transport Stream (TS)

- slot0/audio/6channel/48kHz/ac3/320kbs
- slot1/video/1920x1080/60fps/interlaced/yuv/422/mpeg2/bp

### Compressed audio only TS

- slot0/audio/2channel/44.1kHz/mpeg-13/128kbs

### Uncompressed 61883-8 Video

- slot0/video/720x480/30fps/progressive/yuv/422/uncompressed

### Uncompressed IIDC Video

- slot0/video/160x120/120fps/progressive/monochrome/\*/uncompressed