IEEE 1722.1 Stream Formats

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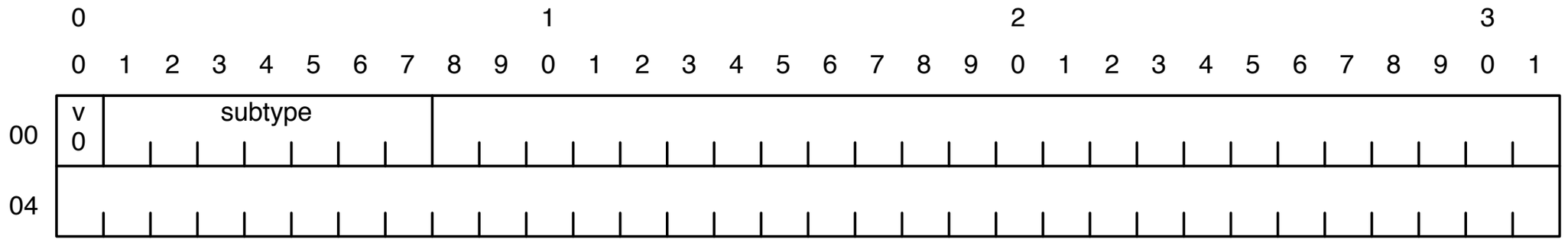
What is a Stream Format

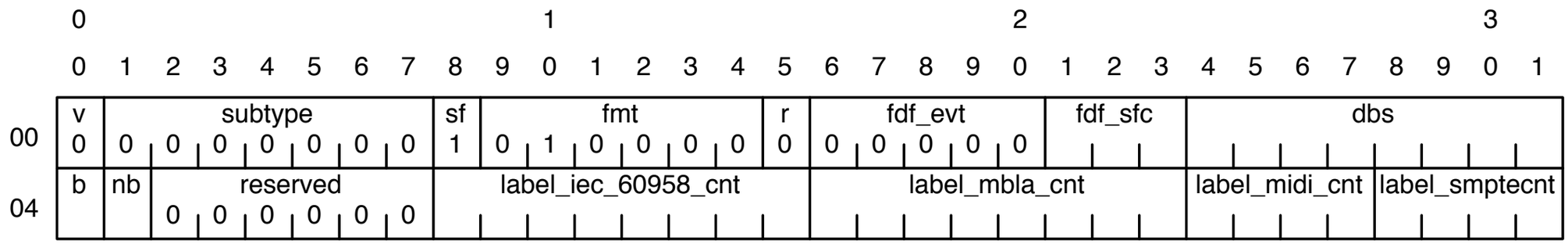
- In 1722.1-2013 a Stream Format (7.3.2) is a 64-bit value which identifies the contents of a stream
- There are 2 forms, the most significant bit identifies which form
  - Standard - as defined in 1722.1
  - Vendor - an EUI-48 value define by the owner of the OUI/OUI-28/OUI-36

Standard Stream Formats



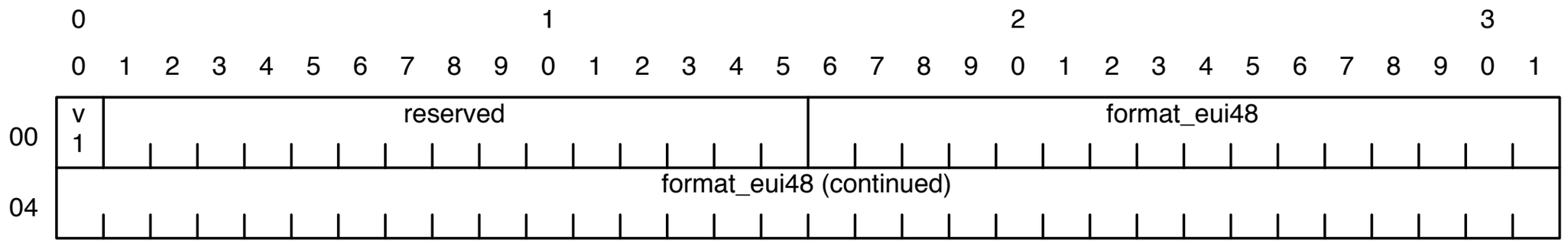
- subtype is the 7-bit IEEE 1722-2011 stream subtype
- The remaining 56 bits are defined specific to that subtype
  - See IEEE 1722.1-2013 7.3.2.1 for details

IEC 61883-6 AM824 Stream Format



- Defines the contents of the AM824 stream by dbs/counts of labels and rule that 60985 events come before MBLA events, before MIDI events before SMPTE event before anything else

Vendor Stream Formats



- format_eui48 is defined by the vendor however they see fit
- An AVDECC Controller which does not know how to interpret the value can still see if a Talker and Listener are compatible by comparing as a 64-bit unsigned integer

Stream Formats and 1722a

- 1722.1-2013 obviously doesn't have defined formats for the new subtypes in 1722a, we need to describe them
- 2 options
  - 1722a defines the standard Stream Formats for the new subtypes (and move/copy them to 1722.1a)
  - 1722a defines Vendor Stream Format using the 1722 OUI (90-e0-f0)