





SMPTE 2110 - Professional Media over Managed IP Networks

Document structure:

- 2110-10: System Timing & Definitions

 defines transport layer and synchronization (SMPTE2059, clocks, RTP, SDP etc.)
- 2110-20: Uncompressed Active Video

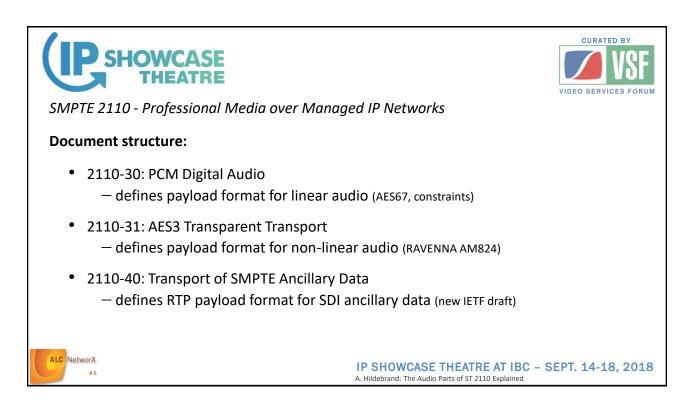
 defines payload format for raw video (RFC4175, RTP, SDP, constraints)
- 2110-21: Traffic Shaping and Delivery Timing for Uncompressed Active Video — defines timing model for senders and receivers (traffic shaping requirements)



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Document structure (audio):

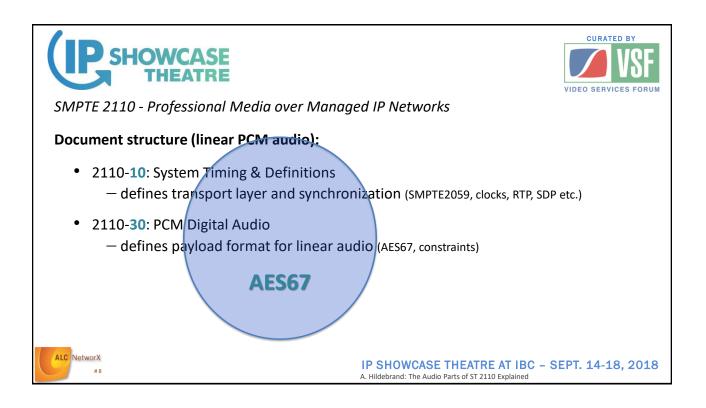
- 2110-10: System Timing & Definitions

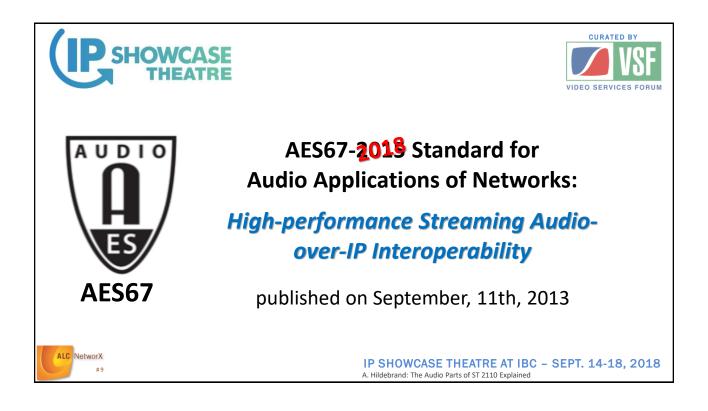
 defines transport layer and synchronization (SMPTE2059, clocks, RTP, SDP etc.)
- 2110-30: PCM Digital Audio

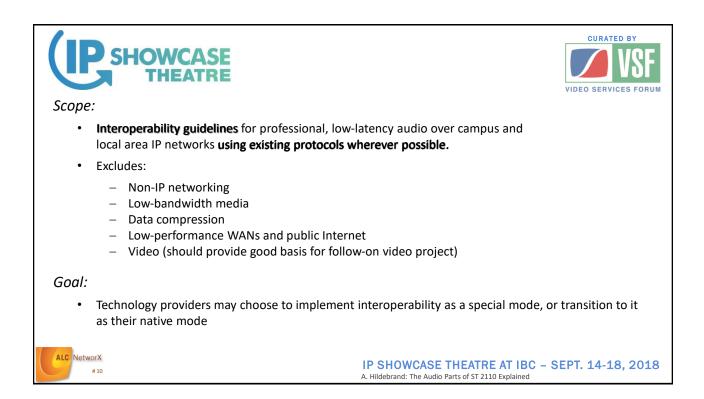
 defines payload format for linear audio (AES67, constraints)
- 2110-31: AES3 Transparent Transport
 - defines payload format for non-linear audio (RAVENNA AM824)

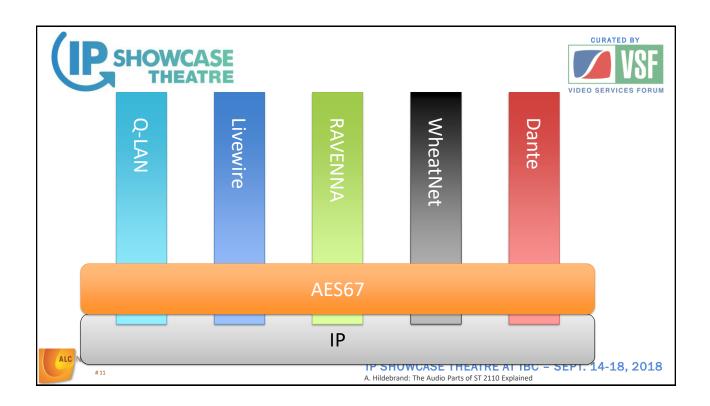


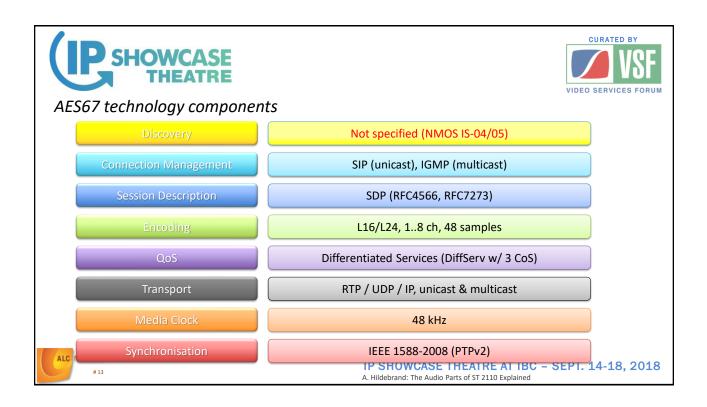
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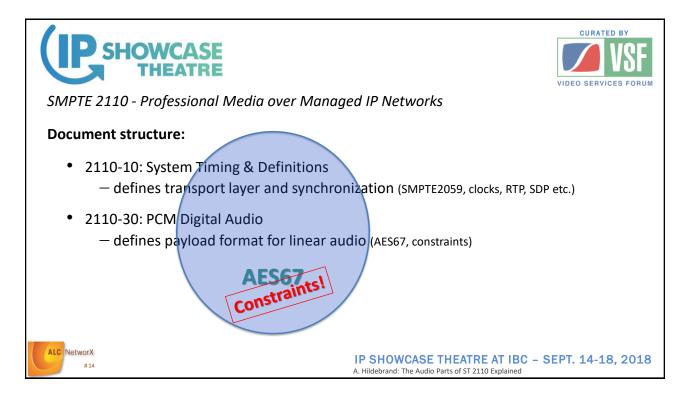


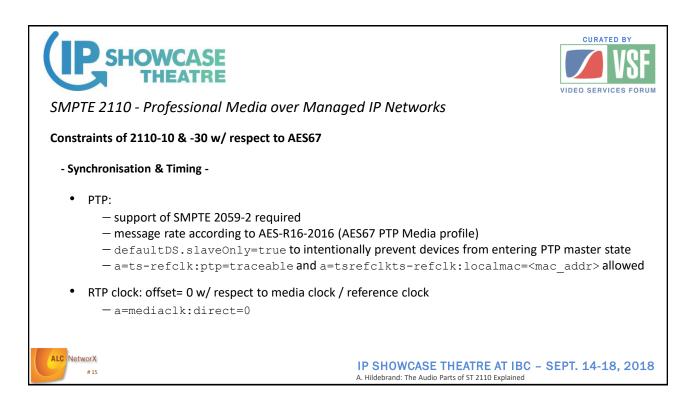


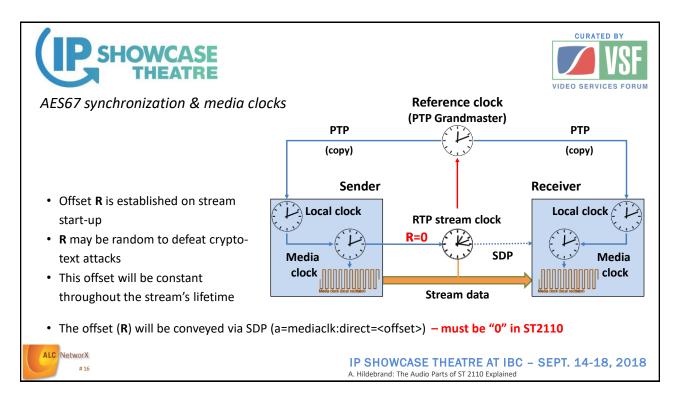


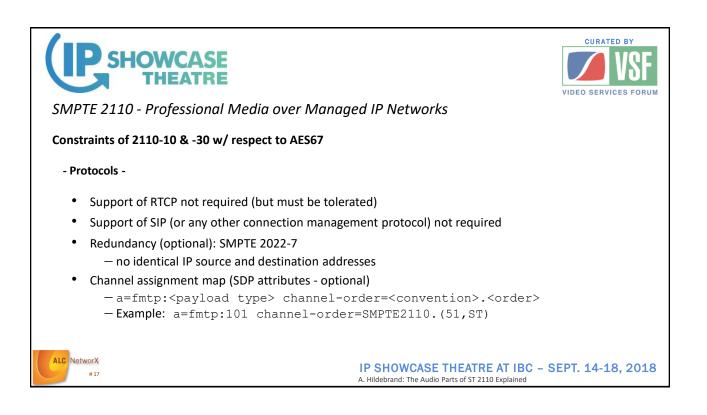














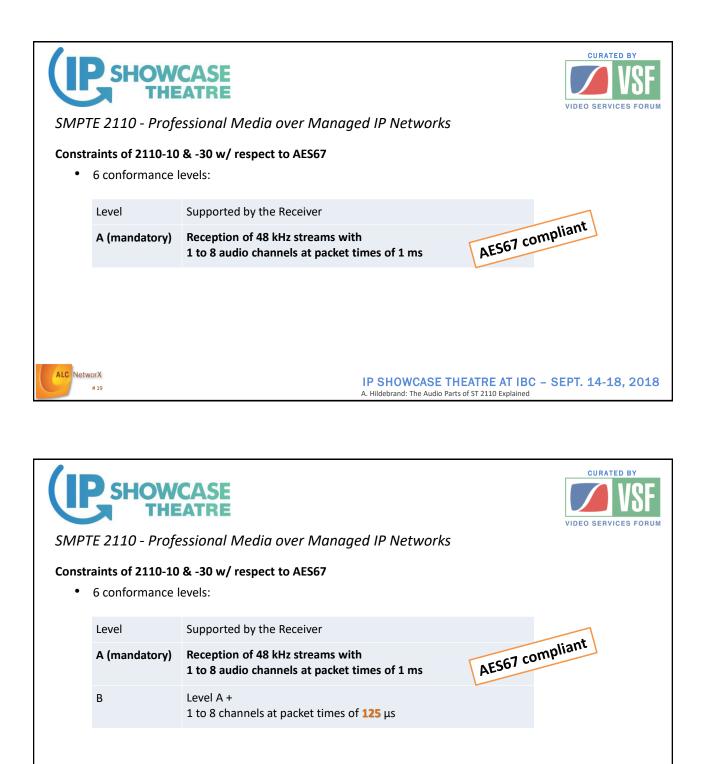


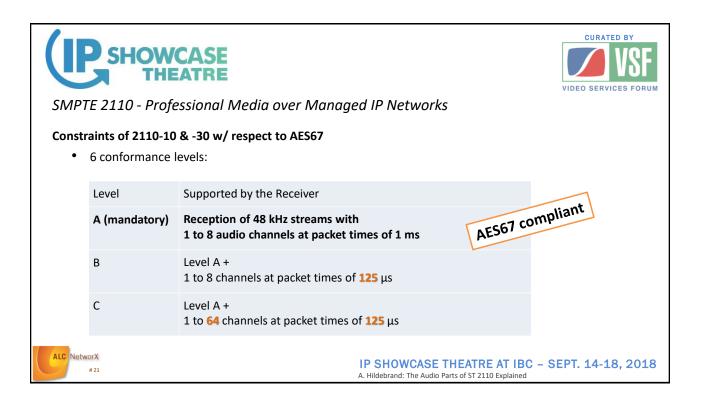
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Constraints of 2110-10 & -30 w/ respect to AES67

• 6 conformance levels:











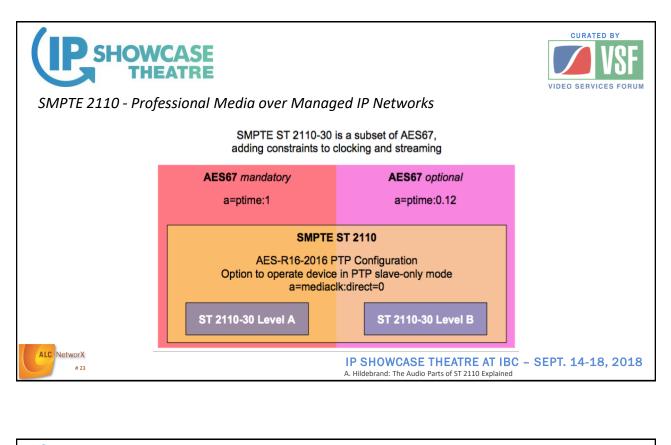
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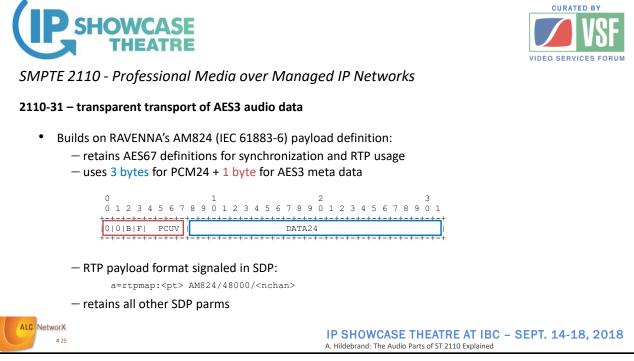
Constraints of 2110-10 & -30 w/ respect to AES67

• 6 conformance levels:

ALC

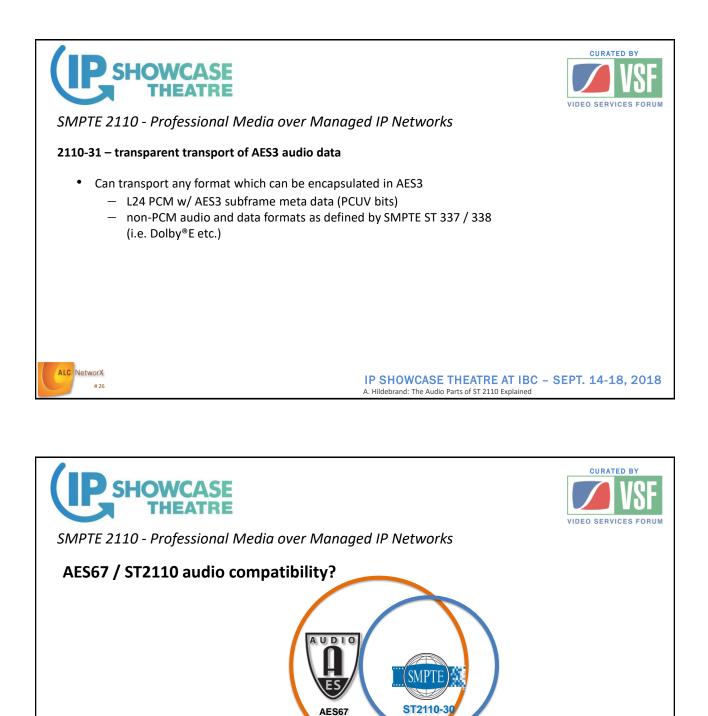
	Level	Supported by the Receiver
	AX	Level A (⇔ 48 kHz) + Reception of 96 kHz streams with 1 to 4 audio channels at packet times of 1 ms
	BX	Level B + AX + 1 to 8 channels at packet times of 125 μs
	CX	Level C + AX + 1 to 32 channels at packet times of 125 μs
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