webinar
WITH IABM

Video over IP – WTF?

Tuesday 14 July

9:30am ET / 2:30pm BST

Stan Moote - Chair
CTO
iabm

Marc Risby
CTO
BOXER

Karl Paulsen
CTO
Diversified.

Dennis Breckenridge
CEO
ELEVATE BROADCAST

Andrew Starks
Director of Product Management
MACNICA

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IPMX: A Profile for Pro AV

Andrew Starks, Macnica Americas

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IPMX (Internet Protocol for Media Experience) is a set of **open standards and specifications** to enable the carriage of **compressed** and **uncompressed** video, audio and data over IP networks.

It includes provisions for **control**, **copy protection**, **connection management** and **security**

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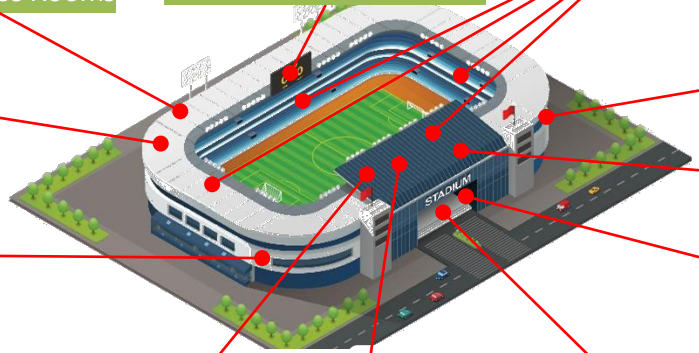
We’re all just video again…

Facility

Conference Rooms

Giant Vision

Locker

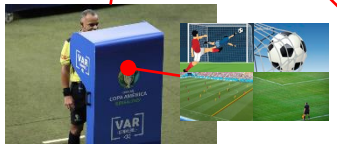


Food

Security

OB Truck

TV Commentary



Video Assisted Referee

Ticket

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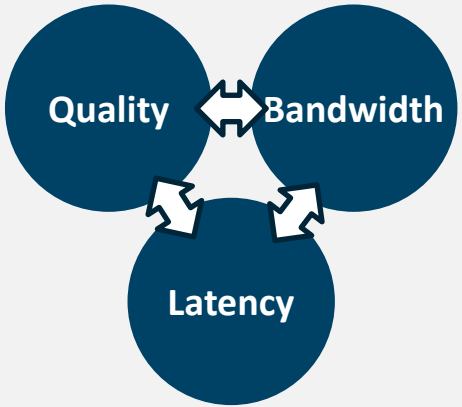
What is needed for AV over IP for Pro AV?

Flexible tradeoffs



Integrate with HDMI

HDCP, CEC, EDID, HPD, USB, …

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IP MEDIA EXPERIENCE

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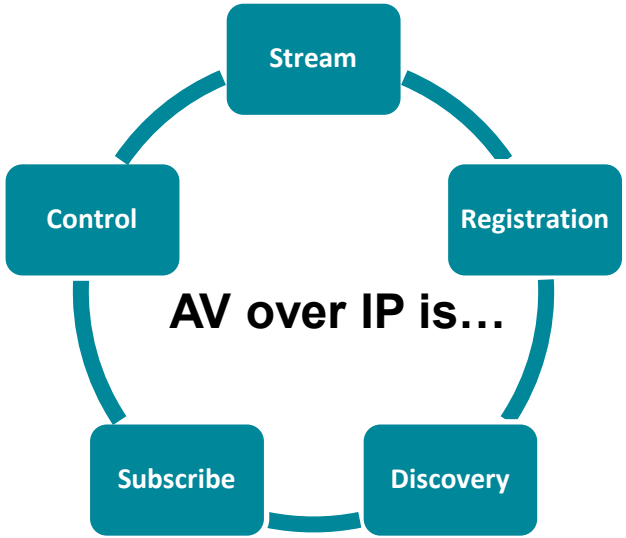
What is Meant by AV over IP?

- Move streams (audio, video, ancillary, control) through an IP network
- Synchronized (A <-> V and also different sources)
- Low-Latency (<1 Frame)
- Publish, Discover, Subscribe, Stream and Control

Could be used in place of HDMI or DisplayPort



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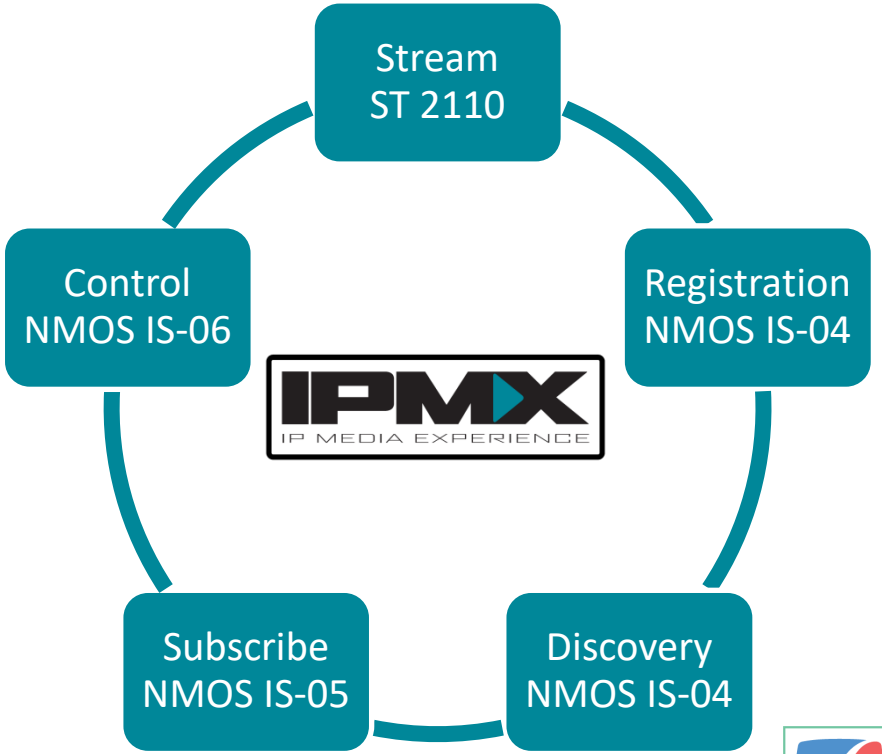
ST 2110 and NMOS

- SMPTE ST 2110 - Transport
  - Essence Streams
  - Timing
  - Description
- NMOS
  (Networked Media Open Specification)
  - Registration
  - Discovery
  - Subscribe
  - Control



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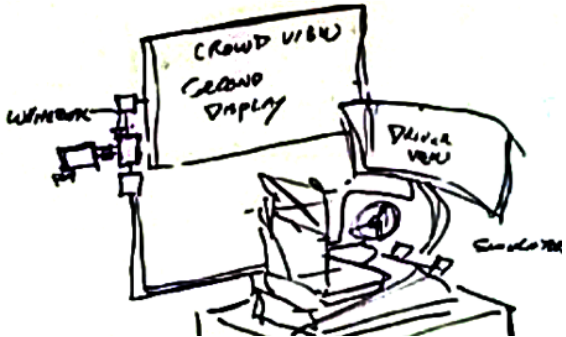
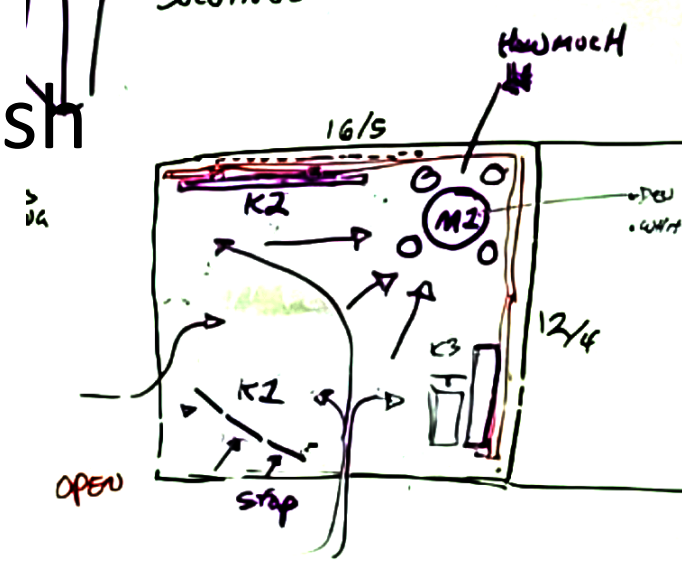
ISE 2020: The Push

- AIMS Pro AV Working Group…
  - Created name for ST 2110, NMOS, etc: IPMX (IP Media Experience)
  - Created ISE 2020 marketing campaign
  - Recruited motivated members to push a roadmap proposal through AIMS in time for ISE 2020





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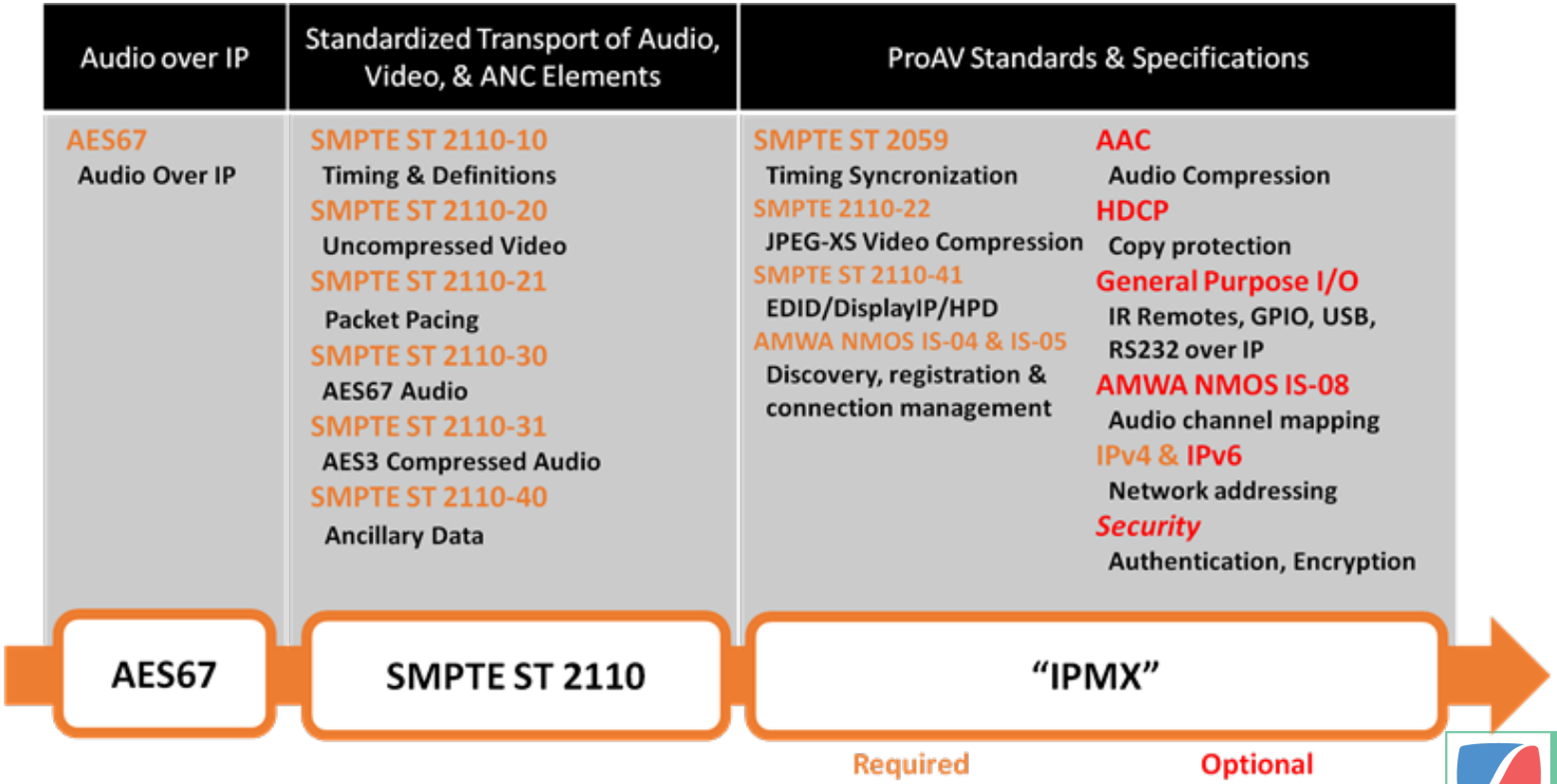
IPMX Draft Roadmap



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