AMWA IS-06
NMOS Network Control Update
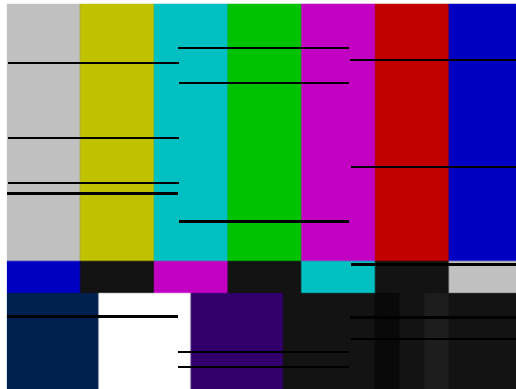
Thomas Edwards, co-chair – FOX Networks Engineering & Operations

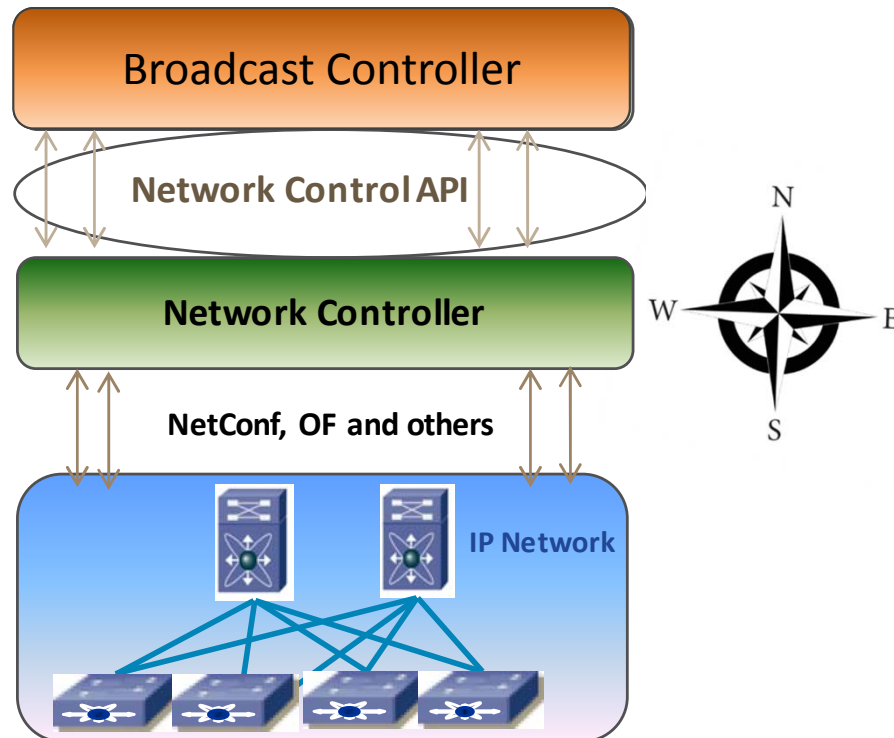***New co-chair: Sachin Vishwarupe (Cisco)***

Why should I care about IP Media "Network Control"?

- Enterprise Ethernet switches don't drop packets...

- Unless flows converging on an output port add up to more bandwidth than the port can handle...

- Then you lose packets...

- And your media flows become corrupted!

AMWA IS-06: Network Control API

- "Northbound" API of Network Controller to:

- Control how flows move on the network,

- Discover network topology,

- Assure bandwidth for media flows,

- Ensure network security by only allowing authorized flows, senders and destinations,

- "No packet moves on the network without authorization"

https://github.com/AMWA-TV/nmos-network-control

What is Missing in v1.0?

Had December call to determine most important work items:

- How multiple Broadcast Controllers can share the Network Controller

- Specifying "ST 2022-7", how multiple copies of a flow can avoid fate-sharing across the fabric

- Diagnostics, fault detection

We want a useful, non-proprietary, multi-vendor solution…

How to Help?

- Join AWMA & Network Control project
  Next conf call series announced soon…

- We need more **users** interested in non-proprietary, multi-vendor network control

- We need more **broadcast vendors** with requirements for broadcast controllers

- <u>If we don't get a quorum, we won't be going forward</u>

Artist's rendition of IS-06 calls

Thanks for your Attention!

Feel free to join LinkedIn Group:

Professional Networked Video & Audio
1,144 members