

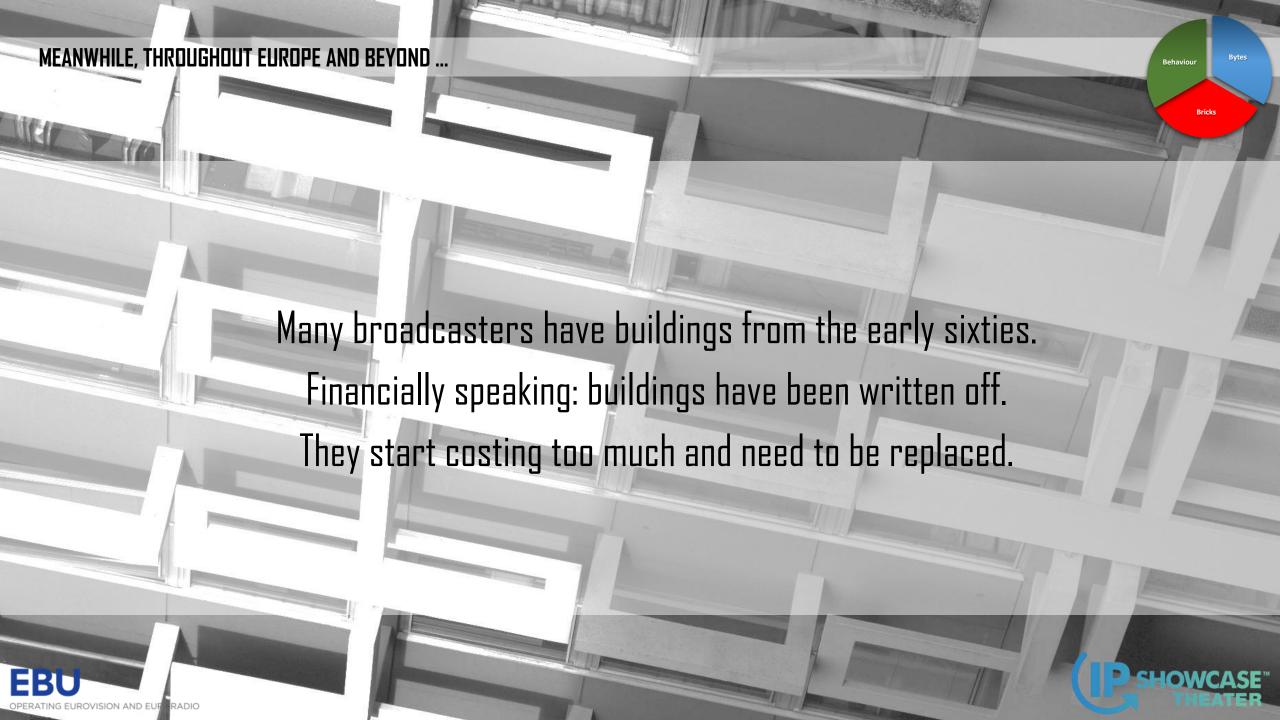


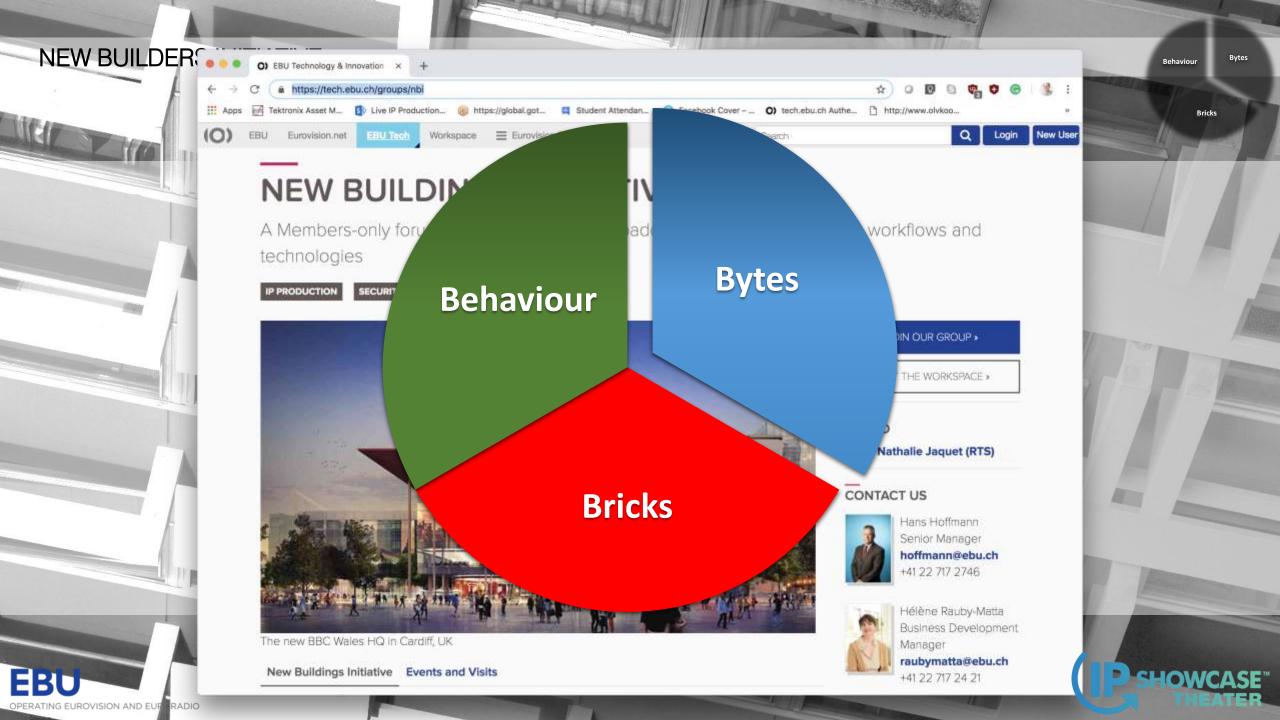
# User Requirements beyond SMPTE ST 2110

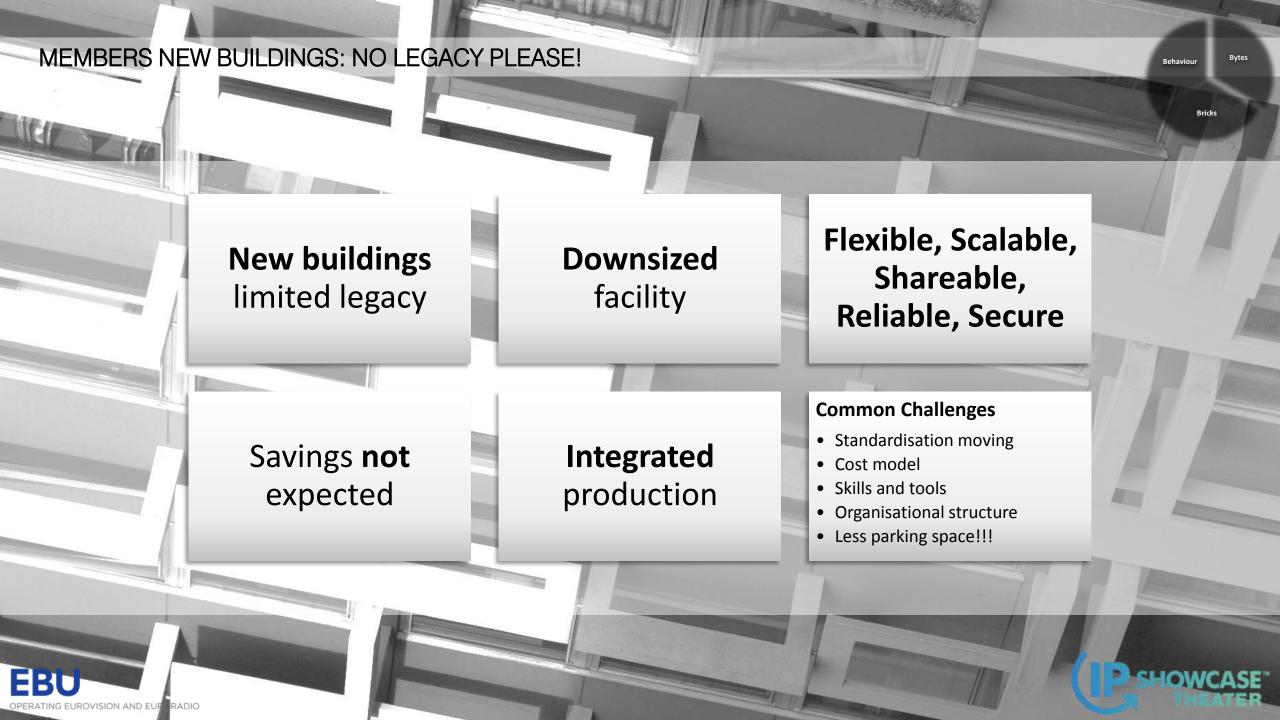
Willem Vermost – Senior Media over IP Architect
European Broadcasting Union

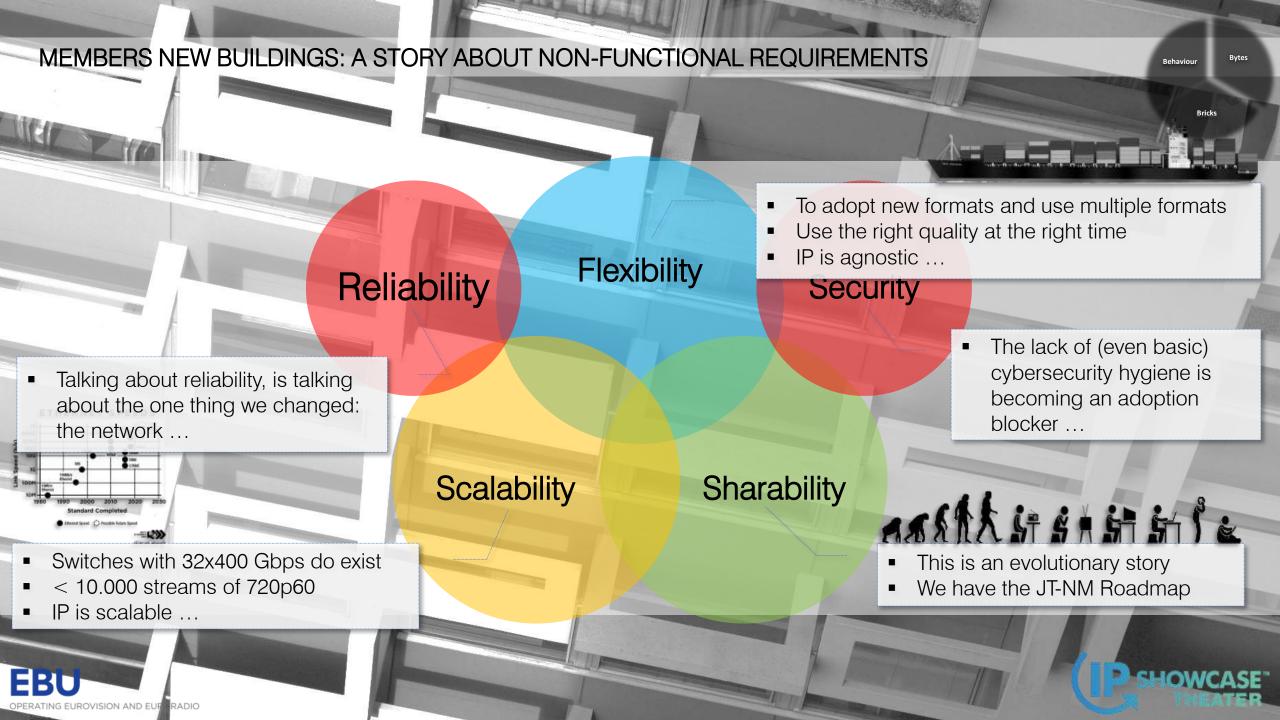


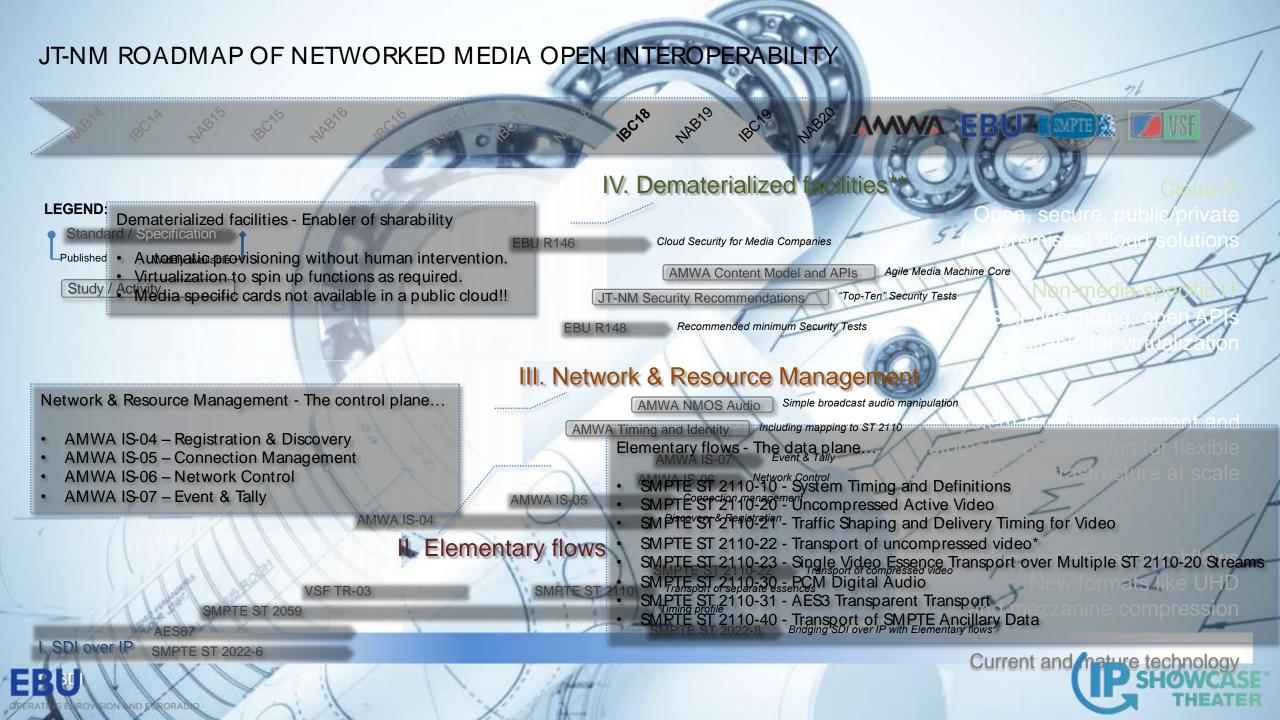


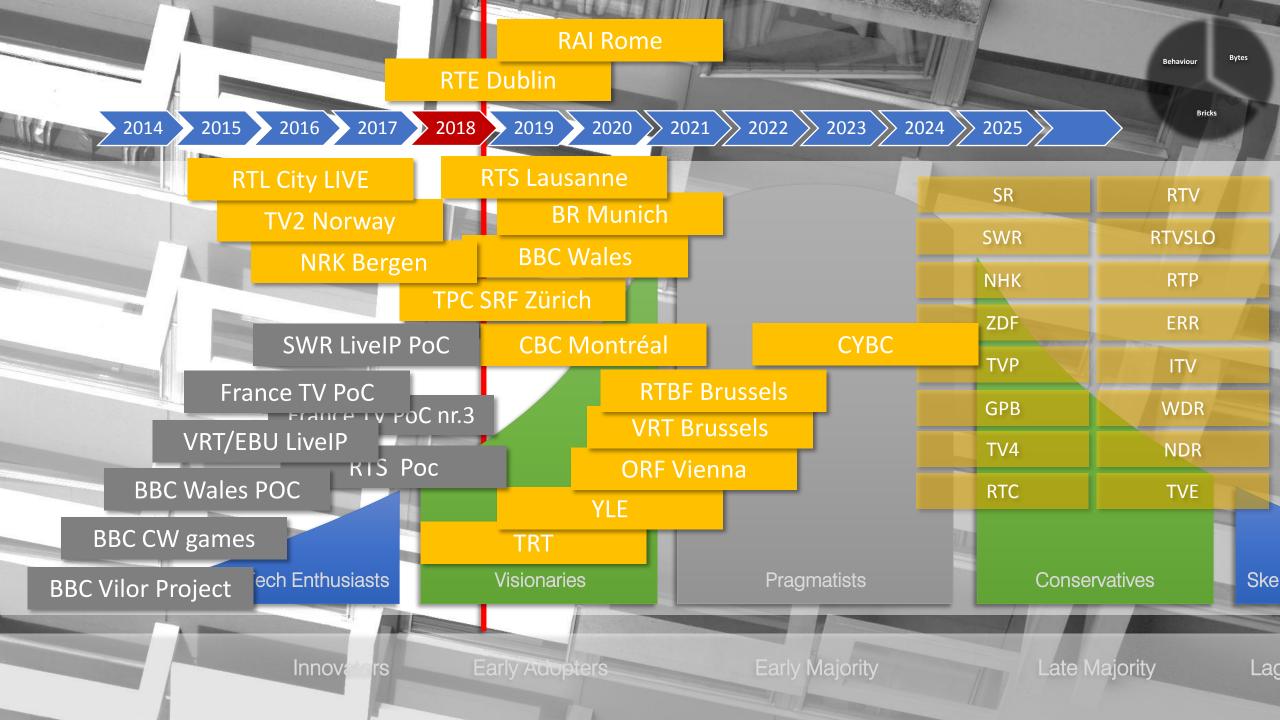














We travel back in time. It's June 19<sup>th</sup>, 2018. 09:00 AM sharp.

The network technology seminar starts at EBU in lovely Geneva ...





**Network Technology Seminar 2018** 

Keynote: Thomas Edwards where are "Full Stack" systems?

VP Engineering & Development at Walt Disney Television the network:

IP: Promise, Progress, and the path to perfection.

- Find registry & register themselves w. IS-04

- Obey IS-05 Connection

- Emit LLDP to ensure IS-06 Network Control functionality?

"But where are full stack systems?"







Where are the systems that when you plug them into the network:

- DHCP IP Address
- Find & register themselves with IS-04
- Obey IS-05 Connection Management
- Emit LLDP to ensure IS-06 Network Control functionality?

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NETWORK TECHNOLOGY SEMINAR





## Network Technology Seminar 2018 CBC: Felix Poulin

Director - Engineering Lab at CBC/Radio-Canada

#### Presents:

New Maison de Radio-Canada update and lessons learned thus far







Network Technology Seminar 2018 BBC: Mark Patrick

**Lead Architect** 

Presents:

An Update on the Live IP Implementation for the BBC Wales Cardiff Central Square Project









"We need to see a confident leap from the R&D lab to available product. The delayed implementation of a common control standard is holding up the widespread adoption of ST2110 product."





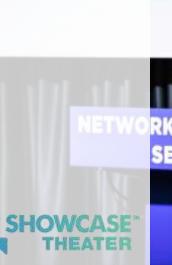
Network Technology Seminar 2018 TPC: Sandro Furter

Project Manager @ tpc switzerland ag

Presents:

**METECHNO** 

The full IP Future of SRF/tpc









"Are you able to share your experience? There are a lot of groups at and forums — it's important that we share this information and that we share it openly."







The JT-NM Enterprise Profile was announced and an appropriate victim was voluntarily chosen to come up with a first draft.







Network Technology Seminar 2018 Presenter: Jack Douglas

VP Mkt & Bus Dev, PacketStorm Communications

ST2110 and ST2059
Interop Testing and Demonstrations

NETWORK TECHNOLOGY SEMINAR





#### Tough Question:

"Why are these test done in a closed room? Other industries do similar events and make results public!"





first installations suffer a lot ... they provide a lot of learnings ...



"As a user, I need those gaps be filled into shipping products in 2018 so that I can build my new HQ facility."

Sep. 2017 "We just had a meeting with vendor X and they said: IS-04, IS-05 is not available. We need to go with their implementation."

Jan. 2019: "Thank you for your email with the SDP file." Email are you serious?

Dec. 2018: "We just received some equipment, no sign of automatic configuration?!"

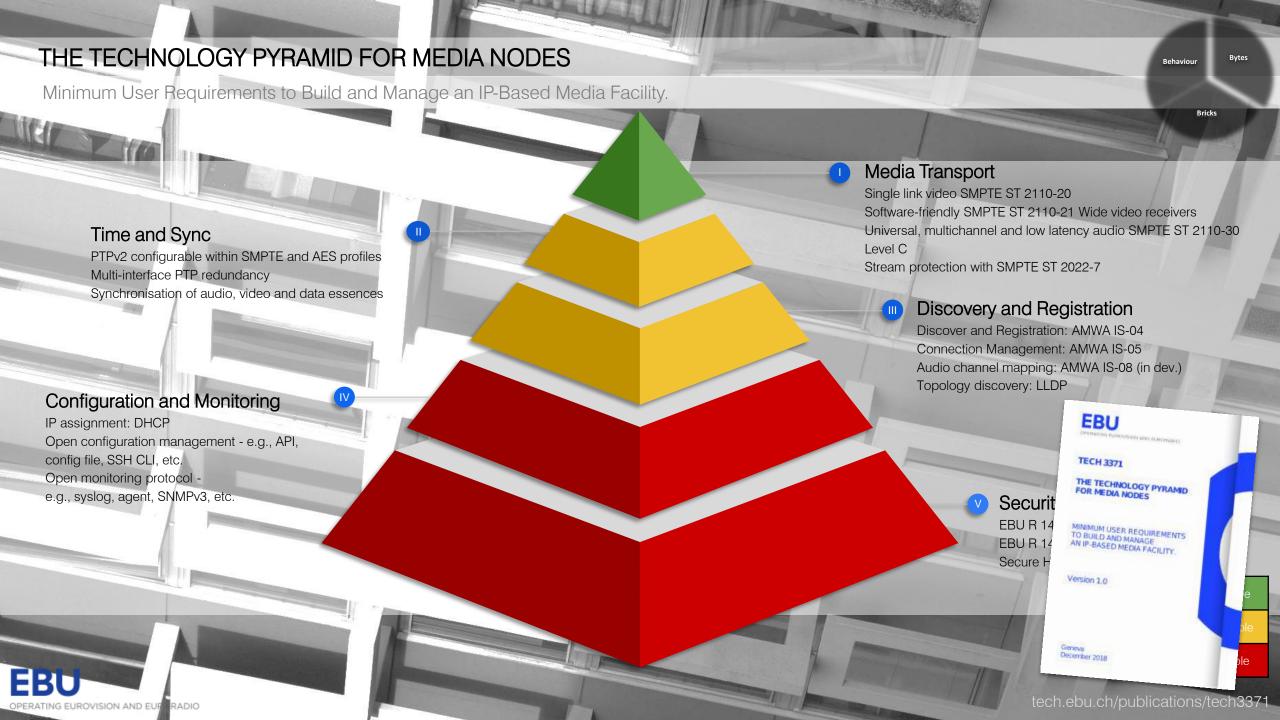
News flash!!

Vendors created their own proprietary Bricks control layer. Looks nice, but it's a major vendor lock in ...

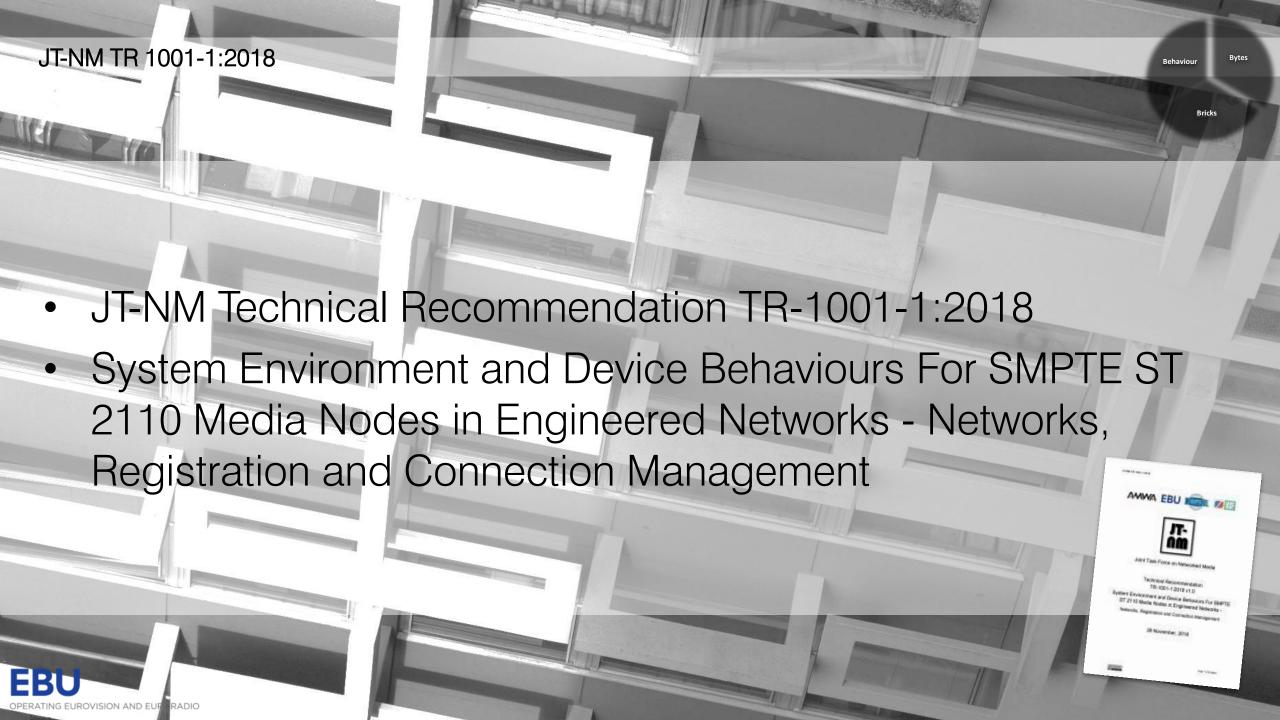
> "Hey, we need to configure all 500.000 multicast addresses manually."

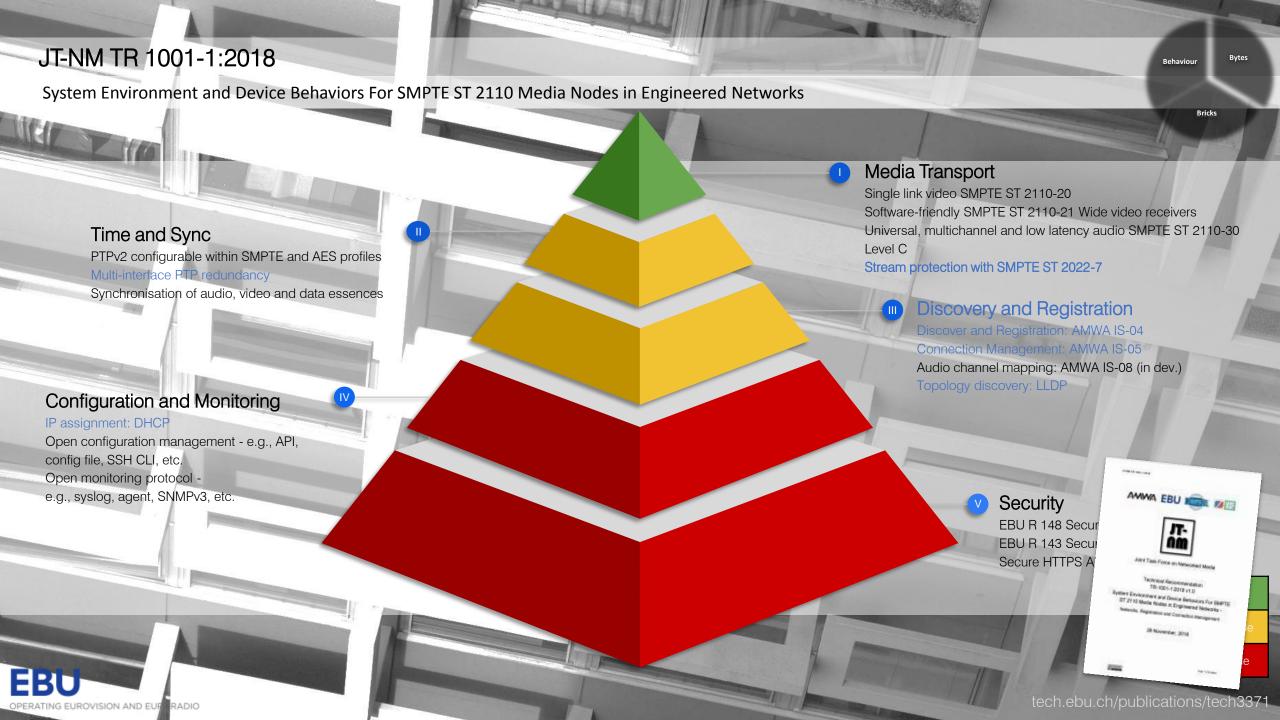
How do we bundle these complaints into a positive contribution?

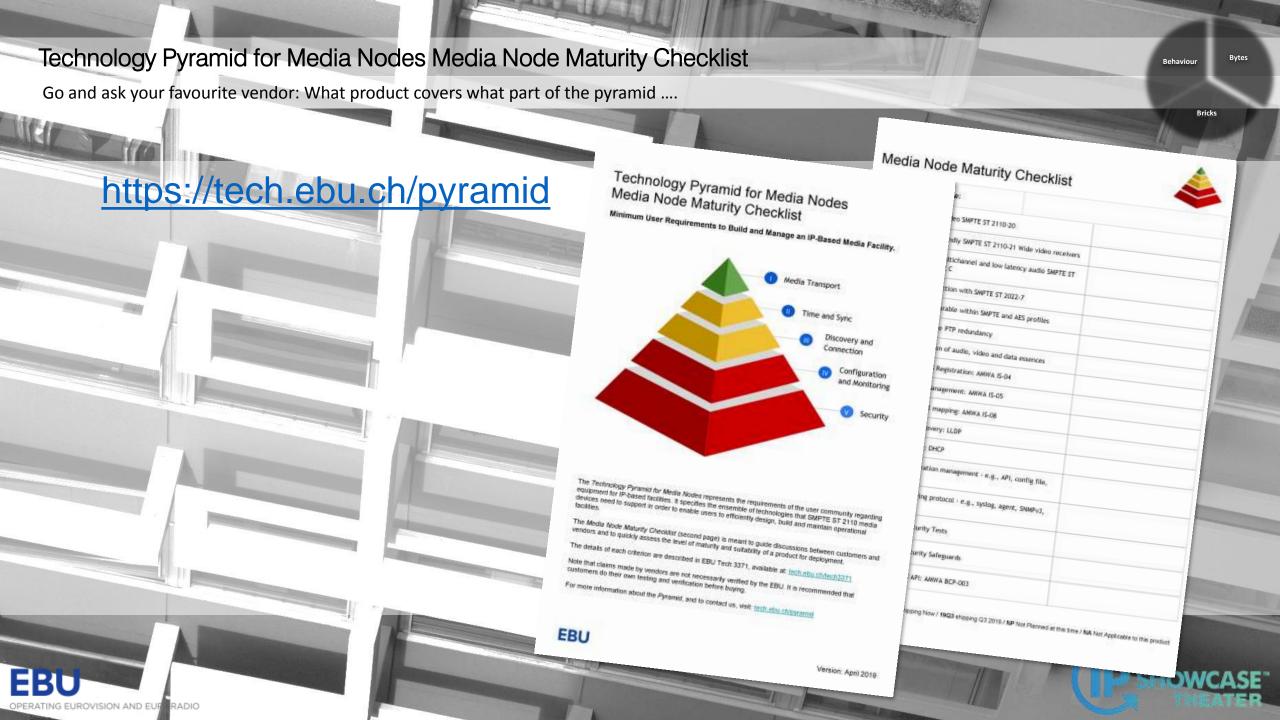




















### Thank You

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