The JT-NM Roadmap and what it shows

- **Which** standards and specifications enable the JT-NM Reference Architecture
- **How** the range of underlying technologies is expected to evolve
- **When** it is expected that those standards and specifications be widely available to build interoperable multi-vendor systems

*Note that timescales shown are approximate and may vary depending on the speed of industry developments.*
I. SDI over IP

AES67

Audio

SMPTE ST 2022-6

0. Current SDI

II. Elementary flows

VSF TR-03

Timing

SMPTE ST 2059

ST 2110

Audio

ST 2110

Transport of uncompressed essence

III. Auto-Provisioning

AMWA IS-04

Discovery & Registration

AMWA IS-05

Connection management

AMWA IS-06

Network Control

IV. Dematerialized facilities

EBU R146

Cloud Security for Media Companies

EBU - Investigating models/workflows

e.g. reports and best-practices

AMWA Labs Findings

e.g. AMWA Specs/Best Practices

**See Dematerialized Facilities FAQ at JT-NM.org for more information.**  
* JT-NM assumption as of August 2017 and will evolve over time. Visit JT-NM.org for the latest update. Feedback to jt-nm-info@videoservicesforum.org
Dematerialized Facilities

Two main sub-categories

Cloud-fit – suitable for use in a cloud-based environment
  • On Demand – scalable, elastic, meterable
  • Security from the outset – Internet best-of-breed
  • Generic cloud infrastructure – ubiquitous/resilient/public API
  • Self-describing APIs – well documented, fully functional
  • Multi-cloud – private/public/multi-cloud vendor

Non-media specific IT
  • Software-only
  • Virtualizable – runs on virtual machines
  • COTS Hardware – entirely COTS or COTS w/specialised boards
  • Layered & open architecture – follows current best practices
Changes since previous version (April 2017)

- Expanded section IV. Dematerialized facilities & added Cloud-fit & Non-media-specific IT sub-categories
- Added short description and other items to Dematerialized facilities lane
- Added JT-NM Activity (e.g. Identify Best Practices) to Dematerialized facilities
- Added reference (**) to Dematerialized Facilities FAQ
- Decreased size of 0. Current SDI & I. SDI over IP lanes & reduced detail
- Added ‘Study/Activity or other.’ to “LEGEND”
- Added AMWA and EBU document numbers & titles for IS-05/6 & R146.
- Removed AMWA NMOS generic arrow
- Combined discrete elements of ST 2110 into a single arrow
- Move the red line to IBC 2017
- Updated date to August 2017
- Small cosmetic changes