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

- SD/HD/3G-SDI
- 6G/12G-SDI
- Serial Digital Interface

0. Current SDI

- AES67
- VSF TR-04
- SMPTE ST 2059
- SMPTE ST 2022-6

I. SDI over IP

- AES67
- VSF TR-04
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II. Elementary flows

- ST 2110 Transport of uncompressed essence
- AMWA NMOS Network Ctrl & Device connection mngt
- Discovery & Registration
- AMWA IS-04
- VSF TR-03
- SMPTE ST 2059 Timing

III. Auto-Provisioning

- AMWA NMOS Network Ctrl & Device connection mngt
- Discovery & Registration
- AMWA IS-04
- VSF TR-03
- SMPTE ST 2059 Timing

IV. Dematerialized facilities

- Virtualized functions
- Cloud-fit
- Distributed and on-demand workflows

- Automated resource management for more flexible and sharable infrastructure at scale
- More flexible and efficient workflows
- New formats supported like UHD and mezzanine compression

- Start implementing IP with current workflows
- Ease remote production
- Current and mature technology

Available for many years and evolving

* JT-NM assumption as of April 2017 and will evolve over time. Visit JT-NM.org for the latest update. Feedback to jt-nm-info@videoservicesforum.org
Changes since previous version (November 2016)

- Changed “IV. Vitualization” to “IV. Dematerialized facilities” and description
- AMWA NMOS updates
- Added “LEGEND” and clarified it
- Extended “SDI over IP” generation fadeout to IBC 2020
- Removed SDI-24G (not active work) and shortened “wide availability” of SDI-12G
- Separated track for TR-04/2110-50
- Gradient line to show the range of availability of a standards
- Move the red line above NAB 2017
- Updated date to April 2017
- Added a descriptive tag for each technology
- Multiple small cosmetic changes