

# JT-NM ROADMAP

# THE PROBLEM

- Media companies need to be confident that their purchasing decisions are based on a clear technical strategy
- Suppliers need to develop products that match customer's needs and add their own special features and functionality

The JT-NM provides an agreed framework  
for technical strategy in  
the transition to IP-based systems

# WHAT IS THE JT-NM?

## The Joint Task Force on Networked Media

- A group of international technical bodies
- Representing media companies and their suppliers
- Setting forth an open, coherent path for industry developments



# WHAT DOES THE ROADMAP SHOW?

## Roadmap of Open Interoperability 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 will 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.

# WHAT ARE “DEMATERIALIZED FACILITIES”?

## Two main sub-categories

### 1) **Cloud-fit** – Suitable for use in a cloud-based environment

- On Demand – scalable, elastic, measurable
- Security from the outset – Internet best-of-breed
- Generic cloud infrastructure – ubiquitous/resilient/public APIs
- Multi-cloud – private/public/multi-cloud vendor

# WHAT ARE “DEMATERIALIZED FACILITIES”?

## Two main sub-categories

### 2) **Non-media specific IT**

- Self-describing APIs – well documented, fully functional
- Software-only
- Virtualizable – runs on virtual machines
- Security – best current practices
- COTS Hardware – entirely COTS or COTS w/specialized boards
- Layered & open architecture – follows current best practices

# THE INFORMATION SHEET



## Joint Task Force on Networked Media

### Information Sheet - NAB 2018 Dematerialised Facilities

#### What is the Joint Task Force on Networked Media (JT-NM)?

The Joint Task Force on Networked Media is a joint effort of the

- **AMWA** (Advanced Media Workflow Association)
- **EBU** (European Broadcasting Union)
- **SMPTE** (Society of Motion Picture and Television Engineers)
- **VSF** (Video Services Forum)

The mission of the JT-NM is to help to drive development of a packet-based network infrastructure, in an open, participatory environment, for the professional media industry. This is achieved by bringing together manufacturers, broadcasters and industry organizations (standards bodies and trade associations) with the objective to create, store, transfer and stream professional media.

#### What does the JT-NM Roadmap Show?

- **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 will be widely available to build interoperable multi-vendor systems

#### What is a Dematerialised Facility?

A "dematerialised facility" is a broadcast facility operating on generic IT equipment, and in some cases, housed in remote locations operated by others. The dematerialised facility uses Internet technology, which allows the rapid scale-up and scale-down of these facilities, and has security built-in from the beginning. Users demand open facilities which are composed of any combination of private on-premises technical facilities owned by the broadcaster and multiple off-premises cloud technology providers.

#### Why are there sub-categories under "dematerialised facilities" in the JT-NM Roadmap?

The JT-NM felt that the category of "dematerialised facilities" could be further broken down into the sub-categories of Cloud-fit, and Non-media-specific IT. Cloud-fit applies to solutions that have been built from the ground up to run in a cloud infrastructure. Non-media-specific IT refers to those solutions and applications that, while perhaps not 100% cloud-fit, subscribe to key principles that help support their use in dematerialised facilities.

For further information

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