

WHAT NMOS IS

- The Networked Media Open Specifications (NMOS) provide an open and simple to use control-plane solution that enables interoperability and management of IP connected audio and video devices.
- NMOS provides seamless management of video, audio and data streams for interactive and interoperable production of live content.
- NMOS enables an open, interoperable IP video system to replace SDI in Broadcast and ProAV applications everywhere.
- NMOS lets you find, connect and configure media devices to enable video and audio on your IP network.
- NMOS can be used to build and manage small and large multi-vendor systems.
- NMOS provides a suite of small, focused, free-standing specifications, each with a specific function.
- NMOS is open, industry developed, free of charge and available to everyone - end users, suppliers, integrators and hire companies.
- NMOS provides a simple, vendor-neutral way to connect SMPTE ST 2110 senders and receivers, as ST 2110 doesn't inherently do this.
- NMOS is designed to support SMPTE ST 2110 - and other transport standards.
- NMOS is a fundamental part of the JT-NM technical recommendation, JT-NM TR-1001, enabling operational efficiency, through automation and by reduction of manual overhead in setting up networked systems.
- NMOS provides key components for Control, Configuration and Security in the EBU Technology Pyramid for Media Nodes.
- NMOS provides important, open, interface specifications in areas where IT standards for media do not exist.
- NMOS is future-proof and ultimately supports the move from IP to fully IT infrastructures.

WHAT NMOS ISN'T

- NMOS is not something that you have to buy or license, though its APIs can be implemented in a product.
- It is not a control system, though manufacturers who want to quickly and efficiently build open, interoperable control systems, use it as part of a complete solution.
- It is not software, though it can be implemented for free in vendor's software.
- NMOS is not an essence or transport format to carry audio and video.

HOW NMOS HELPS

Who can benefit?	How?
CTO	<ul style="list-style-type: none"> • NMOS has been developed by the AMWA, to complement contributions by the EBU, SMPTE and VSF, as JT-NM Partners. • Developments are based on clearly defined business and operational needs of end users. • NMOS enables best of breed system configurations and avoids vendor lock-in. • Security is included as standard. • NMOS is being specified by end users to ensure a future proof investment. • NMOS supports a strategic approach for secure, “end-to-end” IP and automation infrastructures.
System architect	<ul style="list-style-type: none"> • Enables best of breed system configurations and avoids vendor lock-in. • Results from the JT-NM Tested program provide a list of products from suppliers which are committed to long term collaboration in interoperability. • JT-NM test plan requirements are thorough and offer confidence in validated products. • Sample paragraphs make it easy to specify NMOS in RFIs, RPFs and tenders documents. • Enables move for more flexible and dynamic architectures
Project engineer	<ul style="list-style-type: none"> • Backward compatibility is always assured when specifications are updated and new ones are developed. • Helps simplify planning and more reliable roll out of deliverables.
Installation engineer	<ul style="list-style-type: none"> • When combining products from a number of vendors, installation is quicker and easier than with multiple proprietary interfaces. • A range of open source, free and commercial implementations of NMOS specifications are available as test tools. • NMOS provides an interoperable way to convey information about grouping of video and audio when, for example, coming from a camera.

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Who can benefit?	How?
Product manager	<ul style="list-style-type: none"> • It allows you to concentrate your resources on features that differentiate your products, rather than interconnection standards. • Security is included as standard • NMOS enables the addition of a broad feature set, such as interoperable APIs and other events into an IP environment.
Product developer	<ul style="list-style-type: none"> • Using NMOS saves time and effort. • NMOS is easy to implement and test using the free of charge toolkit.
Operations manager	<ul style="list-style-type: none"> • NMOS makes it easier to understand your system configuration. • NMOS makes it quicker and easier to set up and reconfigure systems. • It enables standards-based integration with non-media-specific business systems. • NMOS enables vendors to provide interoperable, openly developed built-in security for NMOS operations from the outset.
Sales director	<ul style="list-style-type: none"> • Customers are specifying NMOS in RFIs, RFPs and tender documents. • Adoption of NMOS demonstrates confidence in the unique features of your products and that you don't need to lock in your customers. • NMOS allows products to be included in a wider array of multi-vendor solutions, offering broader sales opportunities. • Drawing the experience of all the suppliers committed to NMOS, it can be implemented quickly and cheaply, releasing developers to add product features which differentiate your brand and products.
Sales personnel	<ul style="list-style-type: none"> • Gives customers the confidence that other end users have successfully adopted NMOS. • Provides your current and future customers with the flexibility to upgrade their systems, unlocking potential business. • Security, which end users say is vital, is built-in from the outset. • You can innovate on value, which is what your customers are asking for.