

NABA Statement on Recommendations Associated with Networked Media Open Interoperability

As the broadcast/media industry migrates its professional media facilities to IP-based systems and services, there are important challenges the industry must address to take full advantage of this new technology.

The work of the Joint Task Force on Networked Media, or JT-NM, which is comprised of representatives from AMWA, the EBU, SMPTE and the VSF is key to addressing these challenges.

In November 2018, the JT-NM issued a very useful technical recommendation entitled: “JT-NM TR-1001-1 System Environment and Device Behaviours for ST-2110 Media Nodes in Engineered Networks – Networks, Registration and Connection Management.” This recommendation addresses the current challenge of easily interconnecting various vendors’ equipment seamlessly into a coherent, workable IP system.

JT-NM’s TR 1001-1 includes references to the EBU’s recently published document, entitled: “EBU TECH 3371: The Technology Pyramid for Media Nodes – Minimum User Requirements to Build and Manage an IP-based Media Facility.” Some of the noted specifications in this technology pyramid are currently available, like SMPTE’s ST 2110, “Professional Media over Managed IP Networks.” Others are either in development or have not yet been addressed.

NABA contends that completing all required specifications of this technology pyramid is essential in facilitating broadcasters’ move to IP technology. Specifications in the following areas remain to be completed or addressed: *timing and synchronization; configuration and monitoring; discovery and connection and, very importantly, security*. In the latter case, AMWA’s work in progress on NMOS API security recommendations is an important step in this regard. In addition, AMWA’s IS-04, IS-05 and IS-06 are key contributions in configuration and monitoring.

NABA supports the work of the JT-NM as highlighted by the issuance of TR-1001-1 and encourages its members to actively participate in the JT-NM’s further important work. The JT-NM Roadmap of Network Media Open Interoperability identifies that most of the outstanding work required will be completed between now and IBC 2020, or 3Q, 2020.

Most importantly during this year and next, NABA must delineate the specific requirements of the broadcasting/media industry to the JT-NM as well as to the manufacturing sector as represented, in this case, by AIMS.