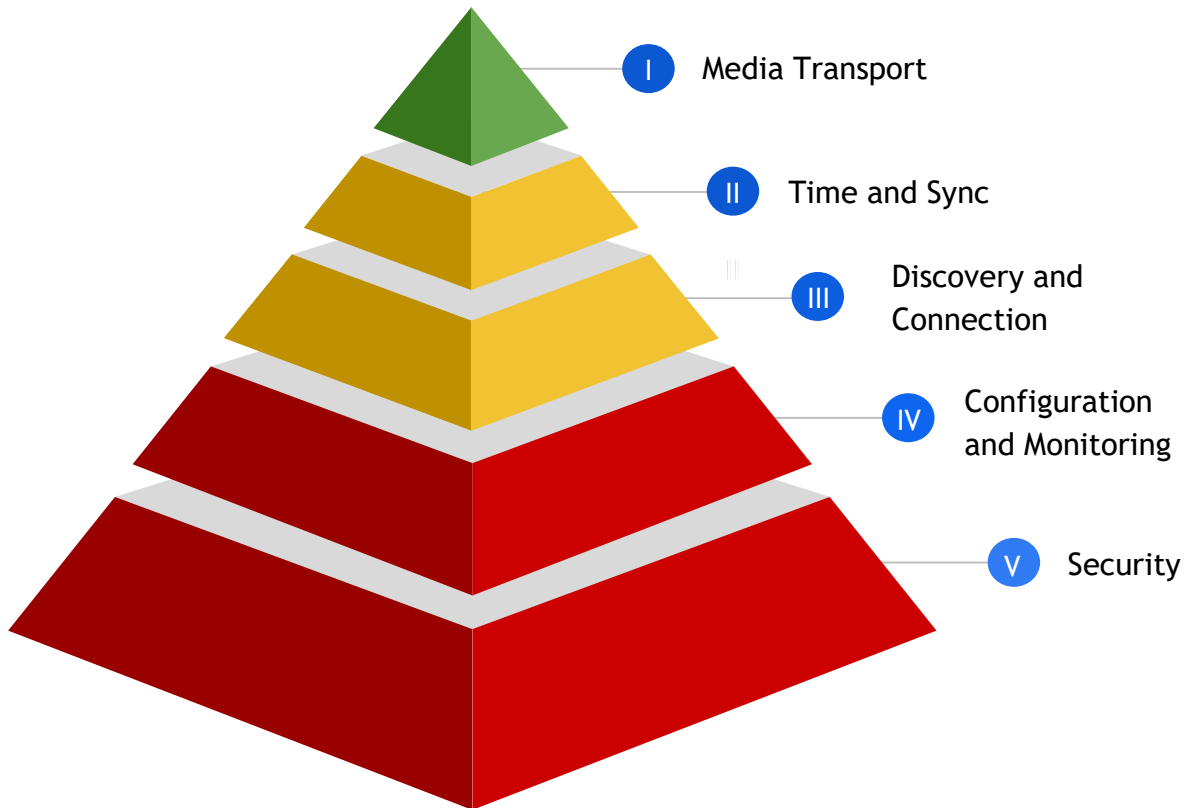


Technology Pyramid for Media Nodes

Media Node Maturity Checklist

Minimum User Requirements to Build and Manage an IP-Based Media Facility.



The *Technology Pyramid for Media Nodes* represents the requirements of the user community regarding equipment for IP-based facilities. It specifies the ensemble of technologies that SMPTE ST 2110 media devices need to support in order to enable users to efficiently design, build and maintain operational facilities.

The *Media Node Maturity Checklist* (second page) is meant to guide discussions between customers and vendors and to quickly assess the level of maturity and suitability of a product for deployment.

The details of each criterion are described in EBU Tech 3371, available at: tech.ebu.ch/tech3371

Note that claims made by vendors are not necessarily verified by the EBU. It is recommended that customers do their own testing and verification before buying.

For more information about the *Pyramid*, and to contact us, visit: tech.ebu.ch/pyramid



Media Node Maturity Checklist

Brand / Product / Date:		
I. Media Transport	Single link video SMPTE ST 2110-20	
	Software-friendly SMPTE ST 2110-21 Wide video receivers	
	Universal, multichannel and low latency audio SMPTE ST 2110-30 Level C	
	Stream protection with SMPTE ST 2022-7	
II. Time and Sync	PTPv2 configurable within SMPTE and AES profiles	
	Multi-interface PTP redundancy	
	Synchronisation of audio, video and data essences	
III. Discovery and Connection	Discovery and Registration: AMWA IS-04	
	Connection Management: AMWA IS-05	
	Audio channel mapping: AMWA IS-08	
	Topology discovery: LLDP	
IV. Configuration and Monitoring	IP assignment: DHCP	
	Open configuration management - e.g., API, config file, SSH CLI, etc.	
	Open monitoring protocol - e.g., syslog, agent, SNMPv3, etc.	
V. Security	EBU R 148 Security Tests	
	EBU R 143 Security Safeguards	
	Secure HTTPS API: AMWA BCP-003	

Suggested Legend: **NOW** shipping Now / **19Q3** shipping Q3 2019 / **NP** Not Planned at this time / **NA** Not Applicable to this product