

# AVoIP Network Readiness Assessment

10 critical checkpoints to evaluate whether your network is ready for AV-over-IP

Score each category 0, 5, or 10 points using the selector on the right. Total = 100. See page 2 for your readiness band and recommended next steps.

## 1. Managed Switches & PoE Budget

SCORE

Do your switches support the PoE budget required for AV-over-IP endpoints (cameras, mics, displays)?

- 0 Unmanaged switches, no PoE budget planning
- 5 Managed switches; PoE budget estimated but not validated per room
- 10 Managed switches with documented PoE budget validated against endpoint specs

SCORE

## 2. IGMP Snooping

Is IGMP snooping enabled and properly configured on switches carrying AV multicast traffic?

- 0 Not enabled, or unknown
- 5 Enabled on some switches, inconsistent configuration
- 10 Enabled network-wide with IGMP querier correctly assigned

SCORE

## 3. VLAN Segmentation

Is AV traffic segmented onto dedicated VLANs, separate from corporate data traffic?

- 0 All traffic on a single flat VLAN
- 5 Some segmentation exists but inconsistent across sites
- 10 Dedicated AV VLANs consistently deployed and documented

SCORE

## 4. PTP / Clock Sync Support

Do your switches support PTPv2 (IEEE 1588) or carry Dante/AES67 certification for precision clock sync?

- 0 No PTP support, or unknown
- 5 Switches support PTP but it is not enabled
- 10 PTP / boundary clock enabled on AV-carrying switches

SCORE

## 5. Multicast Routing (Cross-VLAN)

If AV traffic must cross VLANs, is multicast routing (PIM) configured and tested?

- 0 No multicast routing; AV confined to one VLAN by necessity
- 5 Multicast routing exists but untested with AV traffic
- 10 Multicast routing configured and validated for AV streams

SCORE

### Why this matters

AV-over-IP platforms (Dante, NDI, AES67, SDVoE) place real-time, low-latency traffic on networks originally designed for data. Switch capability, multicast configuration, and clock synchronization determine whether that traffic performs reliably — or causes dropouts, latency, and support escalations after rollout.

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<p><b>6. Bandwidth Headroom</b></p> <p><i>Has available bandwidth been calculated against peak AV stream load (Dante, NDI, AVoIP video)?</i></p> <ul style="list-style-type: none"> <li><span style="color: red;">0</span> No bandwidth analysis performed</li> <li><span style="color: orange;">5</span> Rough estimate exists, not validated under load</li> <li><span style="color: green;">10</span> Documented analysis with headroom validated under peak load</li> </ul>	<p>SCORE</p> <div style="border: 1px solid #ccc; width: 100%; height: 20px;"></div>
<p><b>7. QoS / DSCP Tagging</b></p> <p><i>Is QoS (DSCP tagging / prioritization) configured to protect AV traffic from congestion?</i></p> <ul style="list-style-type: none"> <li><span style="color: red;">0</span> No QoS configured</li> <li><span style="color: orange;">5</span> QoS configured, but not for AV traffic classes specifically</li> <li><span style="color: green;">10</span> AV traffic prioritized via DSCP/QoS end-to-end</li> </ul>	<p>SCORE</p> <div style="border: 1px solid #ccc; width: 100%; height: 20px;"></div>
<p><b>8. IT / AV Team Alignment</b></p> <p><i>Do IT and AV teams share visibility and coordinate on network changes affecting AV systems?</i></p> <ul style="list-style-type: none"> <li><span style="color: red;">0</span> IT and AV operate independently, no formal coordination</li> <li><span style="color: orange;">5</span> Informal coordination exists, no documented process</li> <li><span style="color: green;">10</span> Documented change-management process with shared visibility</li> </ul>	<p>SCORE</p> <div style="border: 1px solid #ccc; width: 100%; height: 20px;"></div>
<p><b>9. Existing AVoIP Deployments</b></p> <p><i>Does your organization have experience running Dante, NDI, AES67, or SDVoE on this network?</i></p> <ul style="list-style-type: none"> <li><span style="color: red;">0</span> No prior AVoIP deployments</li> <li><span style="color: orange;">5</span> Limited or pilot deployments with known issues</li> <li><span style="color: green;">10</span> Established AVoIP deployments running reliably</li> </ul>	<p>SCORE</p> <div style="border: 1px solid #ccc; width: 100%; height: 20px;"></div>
<p><b>10. Monitoring &amp; Visibility Tools</b></p> <p><i>Do you have monitoring tools (SNMP, Dante Controller, switch dashboards) providing AV network visibility?</i></p> <ul style="list-style-type: none"> <li><span style="color: red;">0</span> No AV-specific network monitoring</li> <li><span style="color: orange;">5</span> Basic SNMP monitoring, not AV-traffic-aware</li> <li><span style="color: green;">10</span> Dedicated AV network monitoring in active use</li> </ul>	<p>SCORE</p> <div style="border: 1px solid #ccc; width: 100%; height: 20px;"></div>

**YOUR TOTAL SCORE**

Auto-calculated from your 10 selections above

/ 100

<p style="color: red; font-weight: bold; margin: 0;">0–59</p> <p style="margin: 0;"><b>SIGNIFICANT RISK</b></p> <p style="font-size: 0.8em; margin: 5px 0 0 0;">Foundational gaps across multiple categories. Meaningful remediation needed before any AVoIP deployment.</p>	<p style="color: orange; font-weight: bold; margin: 0;">60–79</p> <p style="margin: 0;"><b>READY WITH REMEDIATION</b></p> <p style="font-size: 0.8em; margin: 5px 0 0 0;">Core infrastructure is in place but targeted upgrades are needed before a reliable rollout.</p>	<p style="color: green; font-weight: bold; margin: 0;">80–100</p> <p style="margin: 0;"><b>AVoIP READY</b></p> <p style="font-size: 0.8em; margin: 5px 0 0 0;">Your network infrastructure supports an enterprise AVoIP deployment with standard best practices.</p>
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**Not where you want to be? Let's fix that.**

Tullis Technologies LLC can run a full AVoIP network readiness audit — switch configuration review, multicast and PTP validation, bandwidth modeling, and a remediation roadmap.

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