TRIAX EoC Installation Checklist

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EoC Installation

Following the EoC Installation checklist is not at all mandatory, but it is recommended to consult it. Use the document as a tool, ensuring a seamless installation or to locate possible errors found during the installation.

The document will help you, so you will experience a more seamless and quick installation. It will guide you so you are more prepared for the on-site installation, with the necessary preparations done at the office. The document is based on experience and best practice, like making sure the EoC system has the latest software version installed on the controller and all endpoints, and the configuration is done and tested.

1.0 Lab Preparations

1.1 Software update	**1.1.1 Verify software version**	**Possible Issue: Onsite update of the software on the controller(s) and endpoints.** **Action: Acquire the latest software and update the controller(s) in your office/lab, before going onsite.**	**N/A** ☐ **Checked** ☐
	1.1.2 Endpoints online	**Possible Issue: Endpoints updating onsite or not even going online.** **Action: Connect all endpoints and verify they can go online. If they have a different software version, they will automatically update to the same version as the controller.**	**N/A** ☐ **Checked** ☐

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1.2 Controller configuration	**1.2.1 System**	**Possible Issue: Wrong timestamps in the log files.** **Action: Configure the system, so time and date reflect the correct timezone.**	**N/A** ☐ **Checked** ☐
	1.2.2 VLAN	**Possible Issue: VLAN mismatch between the controller and connected equipment. Missing VLAN when configuring SSIDs & ethernet rules.** **Action: Configure the needed VLANs and assign VLANs to controller ethernet ports and ethernet rules (access, trunk or all). Determine whether you wish to have management enabled on a VLAN or none, in management settings.**	**N/A** ☐ **Checked** ☐
	1.2.3 WLAN (SSID)	**Possible Issue: Missing SSID's when creating configuration groups** **Action: Configure the needed SSIDs. Remember to assign a VLAN to the SSID.**	**N/A** ☐ **Checked** ☐
	1.2.4 Configuration groups	**Possible Issue: Missing configuration for endpoints (not being able to assign endpoints to desired configuration group).** **Action: Create or edit existing configuration groups. Remember to add/remove SSIDs and ethernet rules accordingly to the site specifications.**	**N/A** ☐ **Checked** ☐
	1.2.5 Notch filters	**Possible Issue: Interference on services between 0...200MHz.** **Action: Create or edit existing 1 or more notch filters accordingly to the site specifications.**	**N/A** ☐ **Checked** ☐
1.3 Test	**1.3.1 Assign endpoint to group**	**Possible Issue: WLAN issues onsite** **Action: Assign 1 endpoint to each configuration group that has been created. Test that the correct SSIDs are being broadcasted (if not hidden) and clients can connect.**	**N/A** ☐ **Checked** ☐
	1.3.2 Verify VLAN, IP & L2 isolation	**Possible Issue: Missing IP address assignment onsite. The client is able to each other connected clients.** **Action: Connect a router to the controller, supporting the configuration of the controllers VLAN and test the IP assignment through the VLANs. Test any configured client isolation.**	**N/A** ☐ **Checked** ☐

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2.0 Onsite Installation

<table>
<tr>
<td rowspan="4">2.1 Controller</td>
<td>**2.1.1 Earthing/grounding**</td>
<td>**Possible Issue: Interference on TV/EoC signalling.**
Action: Connect earthing / grounding to the controller's backside.

Please note: Earthing must be done accordingly to the specific site and locale regulations.</td>
<td>**N/A** ☐

Checked ☐</td>
</tr>
<tr>
<td>**2.1.2 TV-In / bypassing**</td>
<td>**Possible Issue: Missing TV services at TV/STB**
Action: Connect the TV signal to the controller. If bypassing the controller, use Returnpath filters for combining. Please see Pre-qualification document for further information.</td>
<td>**N/A** ☐

Checked ☐</td>
</tr>
<tr>
<td>**2.1.3 EoC out**</td>
<td>**Possible Issue: Endpoints not going online.**
Action: Connect the EoC ports to the coax network. Utilize the knowledge acquired during the pre-qualification (combining/bypassing).</td>
<td>**N/A** ☐

Checked ☐</td>
</tr>
<tr>
<td>**2.1.4 Ethernet uplink (s)**</td>
<td>**Possible Issue: Missing uplink and no IP addresses for clients.**
Action: Connect the controller to the router/switch, that will act as an uplink connection for the controller, accordingly to the configuration done in the lab.</td>
<td>**N/A** ☐

Checked ☐</td>
</tr>
</table>

2.2 Coax network	**2.2.1 Amplifiers**	Possible Issue: **Missing or reduced return path.** Action: **Bypass all amplifiers with return path filters. See pre-qualification document for further information.**	N/A ☐ Checked ☐
	2.2.2 Taps/splitters	Possible Issue: **Noise/ingress resulting in reduced bandwidth.** Action: **Replace any taps or splitters, that do not meet the requirements. Taps/splitters may be identified as defective during installation.**	N/A ☐ Checked ☐
	2.2.3 Connectors	Possible Issue: **Noise/ingress resulting in reduced bandwidth.** Action: **Replace any connectors, that do not meet the requirements. Usually, twist-on connectors must be replaced. Connectors may be identified as defective during installation. Be aware of the mounting of the connector on the cable.**	N/A ☐ Checked ☐
	2.2.4 Outlets	Possible Issue: **Noise/ingress resulting in reduced bandwidth or missing return path.** Action: **Replace any outlet, that does not meet the requirements. Be aware of the mounting of the connector in the outlet. See pre-qualification document for further information.**	N/A ☐ Checked ☐
2.3 Endpoints	**2.3.1 Mounting**	Possible Issue: **Endpoint overheating.** Action: **Mount the endpoint on the wall with space for cooling.**	N/A ☐ Checked ☐
	2.3.2 Configuration	Possible Issue: **Endpoint only broadcasting Setup WiFi.** Action: **When the endpoint is booted up, configure the endpoint either with QR scanner or through the GUI on the controller.**	N/A ☐ Checked ☐
2.4 TV/STB	**2.4.1 TV/STB on the endpoint**	Possible Issue: **No TV services or interference on TV services.** Action: **Connect TV/STB to TV out on the endpoint, instead of parallel to the endpoint (ie. on the outlet).**	N/A ☐ Checked ☐
	2.4.2 TV/STB without endpoint	Possible Issue: **Interference on TV services.** Action: **Inject a filter on the coax lead to the TV/STB, if the outlet does not filter the EoC signalling from the TV services. See pre-qualification document for further information.**	N/A ☐ Checked ☐
	2.4.3 Retune TV/STB	Possible Issue: **Missing TV services.** Action: **Retune all TV/STB if there have been made changes to the TV Services setup.**	N/A ☐ Checked ☐