

# **MESHCONNEX CONFIGURATION:**

## **Prerequisites:**

Configure VLAN's with static IP's on both root and client.

## **On Root:**

### **1 – Created MeshConnex Policy**

- Configuration >> Wireless >> MeshConnex Policy >> Add.
- Add Policy Name: Mototest *(no bearing on Mesh. This is just for reference)*
- MeshID: Mototest *(Will be used for Mesh connection so should be same on both AP's)*
- Control VLAN: 99
- Allowed VLANs: 1-4094
- Neighbor Inactivity Timeout: 1
- Click OK

Under Security:

- Select PSK and enter Pre-shared key if you want to or leave at none for open connection.
- Commit and Save.

### **3 – Configure 5Ghz radio**

- Configuration >> Devices >> Device Overrides >> APxxxx >> Interface >> Radios >> Radio 2

Under Radio Settings:

- Channel: 149 *(or above only)*
- Antenna Mode: 2x2
- Dynamic Chain Selection: Uncheck box
- Radio Placement: Outdoor
- Rate Selection Method: Opportunistic
- RTS Threshold: 1

Under WLAN Mapping /Mesh Mapping

- Highlight the Mesh you previously created from The MeshPoint box and move to the Radio box. The mesh should always use BSS1 so check the Advanced Mapping box and make sure that the mesh is using BSS1. If not then remove the current WLAN if any and have the mesh use BSS1.
- OK

Under Advanced Setting:

- Non-Unicast Transmit Rate: Lowest Configured Basic Rate
- Ok >> Exit >> Commit and Save

## **2 – Enable MeshConnex Policy on the AP**

- Configuration >> Devices >> Device Overrides >> APxxxx >> MeshPoint >> Add
- From drop down select the policy previously created
- Is Root: True
- Monitor Primary Port Link: Check box
- Path Method: Uniform
- OK >> Exit >> Commit and Save

### **On client AP:**

The exact same settings should be on the client with the following exception:

- Configuration >> Devices >> Device Overrides >> APxxxx >> MeshPoint >> Add
- Is Root: False or None.

### **Show commands:**

show-wireless-meshpoint

show-wireless-meshpoint-neighbor-stats

show-wireless-meshpoint-neighbor-stats-rf