CHAPTER 25

Miscellaneous AP-Specific Configurations

This chapter contains miscellaneous configurations that are specific to certain access points.

Cisco Aironet 700W Series

Using the LAN ports on 700W APs

The Cisco Aironet 700W series access points have one 10/100/1000BASE-T PoE Uplink/WAN port and four 10/100/1000BASE-T RJ-45 local Ethernet ports for wired device connectivity. The fourth port functions as a PoE-Out port when the AP is powered by 802.3at Ethernet switch, Cisco power injector AIR-PWRJ4=, or Cisco Power Supply.

By default, all four local Ethernet ports are disabled. You can be enable them when required.

You can also configure the local Ethernet ports to a VLAN ID using the interface configuration command, **vlan** *vlan-id*.

Enable LAN ports on 702W

Step 1 Enter global configuration mode.

```
ap#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
```

Step 2 Enable the LAN port.

```
ap(config)#lan-Port port-id 1
ap(config-lan-port)#no shutdown
ap(config-lan-port)#end
```

Assign a VLAN to the LAN ports

Use the commands given in the example below.

```
ap#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
ap(config)#lan-Port port-id 1
ap(config-lan-port)#vlan 25
ap(config-lan-port)#end
```

Verifying the LAN Port Configurations

Use the command given in the example below.

```
voip#sh lan  config

LAN table entries:

 Port    Status       Vlan valid    Vlan Id
  ----    ---------    ----------    -------
  LAN1    DISABLED     25            NA
  LAN2    ENABLED      NO            NA
  LAN3    DISABLED     NO            NA
  LAN4    ENABLED      NO            NA
LAN POE out state = ENABLED
```

700W AP as Workgroup Bridge

Like other Cisco Access points 702W AP series also can be configured as a Workgroup Bridge (WGB).

A WGB can provide a wireless infrastructure connection for Ethernet-enabled devices. Devices that do not have a wireless client adapter in order to connect to the wireless network can be connected to the WGB through the Ethernet port.

The WGB supports up to 20 Ethernet-enabled devices to a Wireless LAN (WLAN). The WGB associates to the root AP through the wireless interface. In this way, wired clients obtain access to the wireless network. A WGB can associate to:

- An AP
- A root bridge (in AP mode)
- A controller through a lightweight AP

When a Cisco 702W access point acts as a WGB, the wired Ethernet clients behind the WGB can be either connected to the LAN or WAN ports present on the 702W AP.