

Product: FreeNet interoperability with Cisco Wireless LAN Controllers
Purpose: To help avoid potential roaming issues with WPA/PSK found in Cisco WLC Software
Date: 9/26/07

Roaming takes up to Two Seconds Using WPA-PSK on a Cisco WLC

WLC – Wireless LAN Controller
LWAPP – Light Weight Access Point Protocol
WPA/PSK – Pre-shared key variant of WPA encryption

General

It has been found that a client using WPA/PSK encryption can take up to two seconds to complete a roam on a Cisco Wireless LAN controller running software versions 4.1.171.0 and earlier.

Problem

Users of the Ascom i75 as well as Cisco 7921s can experience up to a two second delay in speech while roaming from one Cisco LWAPP access point to another.

This will impact any trial systems that may want to use WPA/PSK with Cisco WLC software version 4.1.171.0 or earlier.

Solution/Prevention

Cisco has fixed this bug in WLC software 4.1.185.0. Therefore for best WPA in call roaming performance, WLC 4.1.185.0 is recommended.

For sites that are not able to upgrade the controller software, it is suggested to use WEP128 or CCKM as an alternative.

Additional Information

If you have any questions about this bulletin, please contact Ascom Technical Services at 1-877 71ASCOM (1-877-712-7266) option 3.