

Product: i75 Interoperability, Cisco Wireless LAN Controllers
Purpose: To avoid potential roaming issues with WPA/PSK found in Cisco WLC Software.
Date: 9/26/07

Potential for Delayed Roaming using WPA-PSK on a Cisco WLC

WLC – Wireless LAN Controller
LWAAP – 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

Portable WiFi devices including the CCX certified Ascom i75 as well as the Cisco 7921 can experience up to a two second delay in speech while roaming from one Cisco LWAPP access point to another.

This will impact 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 71ASC0M (1-877-712-7266) option 3.