

### Service Release Notes for WiNG 5.9.0.2-001R

**Please Note:** Service releases are made available to fix specific customer reported issues in a timely manner. Service releases are not as extensively tested as main releases (such as 5.9.0.0-033R). The next maintenance or manufacturing release will incorporate all qualifying and preceding service releases.

This document is an addendum to the release notes for the main release 5.9.0.0-033R.

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#### Resolved Issues

This service release 5.9.0.2-001R contains important fixes WPA2 KRACK vulnerability.

Following is a list of changes in this release:

SPR/CQ	Description
WING-36013	WPA2 KRACK: Group key replay counter vulnerability (CVE-2017-13078, CVE-2017-13080)
WING-36014	WPA2 KRACK: 802.11r FT Handshake vulnerability (CVE-2017-13082)
WING-36016	WPA2 KRACK: MCX PSK 4-way key updated to avoid WPA2 KRACK vulnerability.

#### 2. Platforms Supported

This release applies to all platforms released with WiNG 5.9.0.0-033R.

Reminder:

Dependent AP platforms: AP 621, 622, 650 are EOL and engineering support has ended.

Independent AP platforms: AP 6511, AP 6511E, AP 7131, AP 7181, AP 8222, ES 6510 are EOL and engineering support has ended.

Controller platforms: RFS 4011, RFS 7000, NX 9000, NX 45XX and NX 65XX platforms are EOL and engineering has ended.

### 3. Firmware Upgrade/Downgrade Procedure

The method described in this section uses the Command Line Interface (CLI) procedures. To log into the CLI, either SSH, Telnet or serial access can be used.

**For detailed upgrade procedure – please refer to WiNG 5.9.0 release notes.**

#### Upgrade from WiNG v5.x.x.x to WiNG v5.9.0.x

1. Copy the controller image to your tftp/ftp server.
2. Use the **—upgrade ftp://<username>:<password>@<ip address of server>/<name of file>**, or **—upgrade tftp://<ip address of server>/<name of file>** command from CLI or **Switch->Firmware->Update Firmware** option from the GUI. You may need to specify the username and password for your ftp server.
3. Restart the controller. From CLI the command is **—reload**.