

# Release Notes

## System Software 3.2.1.5

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### 1 Note

This version is only available for **W2044ax**, **W2022ax** and **APR2044ax**. Please note that the **W2022ac** and **W2022ac-ext** access points use the same release numbering and are also functionally comparable. However, the system software files are different.

The software image is now provided on the update server in two different formats:

- *.img*: Files with this file extension are used as before for updating the access point directly via the user interface or for updating via the WLAN controller.
- *.tgz*: Files with this file extension are required when updating the access points via Cloud Net Manager (Cloud Net Manager version 5.1.4 or higher). For this purpose, this file must be loaded into the Cloud Net Manager software library.

### 2 New features/changes

- **ER#6145**: The automatic channel selection algorithm has been reworked, which increases service quality and throughput performance of the WLAN network: Now bandwidth dependent channel overlapping with neighboring access points and channel occupation caused by radar is correctly accounted for on calculating radio frequency interference per channel. In case multiple channels are best ranked according to that calculation, now a random channel is selected out of these best ranked channels. As a result the neighbor AP channel interference and average observed channel utilization is reduced and the available spectrum defined by the configured channel plan is optimally used now.

### 3 Error corrections

- **ER#6074, ER#6162**: The access point announced WLAN client presence too early in Ethernet LAN (via LLC frames) on association instead after successful authentication of the WLAN client. This caused sporadic WLAN client IP client

connectivity problems, especially on roaming from one AP to another in the same WLAN network.

- **ER#6144:** Several system service crashes and kernel panics have been fixed. Thus, the access points run much more stable now and brief WLAN network outages due to unwanted device reboots have been reduced considerably.
- **ER#6360:** In versions from 3.2.1.1 up to 3.2.1.4 the **U-APSD enabled/disabled switch** had **no function**. U-APSD was always on, even in case it was disabled. Now U-APSD can be disabled again.
- **ER#6155:** In versions from 3.2.1.1 up to 3.2.1.4 for device **admin password** special characters such as a semicolon were not possible anylonger. This limitation has been removed now.
- **ER#6150:** On **WPA Enterprise security** the 802.1x Radius authentication failed in case a backup authentication server was configured. Now Radius configuration is restricted to one authentication server per SSID.
- **ER#6242:** In access points manufactured for **regulatory domain “RoW”** (e.g. APR2044ax) the **Region** setting **Israel** could fail due to an invalid **WLAN Environment** setting.
- Under certain circumstances configuration changes in **data-rate trimming** were not correctly applied on the Access Point and the previous data-rate trimming setting was kept in the radio hardware.
- In internal AP system log the log level of several messages was adjusted and error messages on background scan and WTP event handling were fixed.

#### 4 Known problems

- **The AP Steering and Radio Resource Management (802.11k)** settings are included in the configuration interface but have no function in this release.