# Release Notes – Maintenance

## OmniAccess Stellar

## AP1101, AP1201, AP1221, AP1222, AP1231, AP1232, AP1251, AP1201H, AP1201L, AP1201HL

## AWOS Release 3.0.7.2056

The following is a list of issues that have been identified and corrected in this AWOS software release. This document is intended to be used as a pre-upgrade guide and does not replace the GA Release Notes which are created for every GA release of software.

## Contents

## Fixed Problem Reports Between Build 1038 (MR) and Build 2056 (MR)

| PR | Description |
|---|---|
| ALEISSUE-468<br><br>Case: 00413801 | **Summary:** Max EIRP for country code Colombia is limited to 16dBm.<br><br>**Explanation:** The configurable TX power scope has been corrected according to the regulation of Colombia.<br><br>**Click for additional information** |
| ALEISSUE-510<br><br>Case: 00424460 | **Summary:** Stellar AP, U-NII-2C channels (100-144) not working in 30 dBm for Singapore country code.<br><br>**Explanation:** The software is modified to allow setting maximum TX power for regulation of U-NII-2C channels (100-144) in Singapore.<br><br>**Click for additional information** |
| ALEISSUE-586<br><br>Case: 00434835 | **Summary:** Issue with the captive portal login<br><br>**Explanation:** The issue happens when deleting "Access code", client can still connect to the SSID without requesting for reauthentication. The issue is fixed as following: If admin deletes a given access code, all client MACs authenticated using that access code will be removed and AP will send de-auth to all clients. This will trigger all clients to get redirected to the captive portal page when reconnecting.<br><br>**Click for additional information** |
| ALEISSUE-594<br><br>Case: 00438444<br><br>ALEISSUE-621<br><br>Case: 00449163 | **Summary:** OAW-AP1201 memory threshold reached.<br><br>**Explanation:** The root cause for this issue is that ACL module occupies high memory when frequently adding and deleting ACL rules. It is fixed by recycling memory in time when deleting ACL rules.<br><br>**Click for additional information** |
| ALEISSUE-595<br><br>Case: 00438735 | **Summary:** GMIP no more accessible after IP update of PVC.<br><br>**Explanation:** The GMIP lost when the PVC IP address changes due to ethernet interface down and up or manual operation. It is fixed by re-configuring the GMIP after PVC changing IP address.<br><br>**Click for additional information** |
| ALEISSUE-600<br><br>Case: 00439352 | **Summary:** Memory overrun traps noticed for APs on OV2500 after upgrading to 3.0.7.<br><br>**Explanation:** The issue is seen when memory cache is high, which can be recycled. It is fixed by adding memory reclaim mechanism before sending the memory overrun traps.<br><br>**Click for additional information** |
| ALEISSUE-603<br><br>Case: N/A | **Summary:** OAW-AP1221 causes LLDP errors on switch. |

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| | **Explanation**: It happens on OAW-AP1221 in specific environment when AP send LLDP message with the field of auto-negotiation status not supported. It is fixed by setting correct value of supporting auto-negotiation.<br><br>**Click for additional information** |
| ALEISSUE-606<br><br>ALEISSUE-637<br><br>Case: 00442298 | **Summary**: OAW-AP1221 3.0.7.26 backtrace and crash caused by out of memory.<br><br>**Explanation**: AP gets out of memory when there is huge amount of unknown multicast packets sending by clients in the network. It is fixed by adding IGMP snooping to forward valid multicast packets only.<br><br>**Click for additional information** |
| ALEISSUE-610<br><br>Case: 00459032 | **Summary**: Bitrate is showing in Gbps.<br><br>**Explanation**: This is a display issue only on shell command.<br><br>**Click for additional information** |
| ALEISSUE-616<br><br>Case: 00429558 | **Summary**: Randomly accounting packets are sent by the AP for dot1x SSID with username as mac-address.<br><br>**Explanation**: The issue happens when clients doing OKC roaming. AP was sending wrong accounting packets by using client-mac as username. It is fixed by using the correct username to send accounting packets after OKC roaming complete.<br><br>**Click for additional information** |
| ALEISSUE-619<br><br>Case: 00448675 | **Summary**: Randomly ACL are no longer working connected users lost connection to services.<br><br>**Explanation**: The root cause of the issue is ACL rules inside kernel are not cleaned when ACL module restart due to it occupies high memory and killed by system. It is fixed by making ACL module start with clean old rules and load new rules with configuration file.<br><br>**Click for additional information** |
| ALEISSUE-626<br><br>Case: N/A | **Summary**: api access fails when trying to create/update SSID with WPA3 encryption.<br><br>**Explanation**: It is fixed by adding WPA3 encryption related open APIs.<br><br>**Click for additional information** |
| ALEISSUE-631<br><br>Case: 00451724 | **Summary**: When signature file is unloaded from AP Group in OV2500, it does not remove it from AP itself.<br><br>**Explanation**: When remove signature file on OV, DPI manager process inside AP still loading signature file that costs a lot of memory, it is fixed by unloading signature file on DPI manager when receiving removing signature file commands by OV.<br><br>**Click for additional information** |
| ALEISSUE-634 | **Summary**: OAW-AP1231 rebooted because of Kernel Panic. |

| Case: 00453064 | **Explanation**: The kernel panic is causing by unused function inside AP, which is removed on the system.<br><br>**Click for additional information** |
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| ALEISSUE-635<br><br>Case: 00452497 | **Summary**: Client not able to connect to specific AP using 802.1x SSID<br><br>**Explanation**: The issue is only seen on Intel 8265 WLAN NIC wireless clients, the clients send invalid management group cipher which is treated as invalid connection, it is fixed by ignoring the invalid field.<br><br>**Click for additional information** |
| ALEISSUE-640<br><br>Case: 00454122 | **Summary**: Stellar AP high memory utilization of the SNMP process.<br><br>**Explanation**: The issue happens when pulling SNMP with a third-party tool every 5 mins get WLAN information will cause memory leaks, it is fixed by recycling the memory when allocate for WLAN information.<br><br>**Click for additional information** |
| ALEISSUE-641<br><br>Case: 00451770 | **Summary**: Framed IP address is sent as incorrect by the AP.<br><br>**Explanation**: The issue is about AP sends accounting start packet with IPv6 address and missing some attributes in accounting stop packet, it is fixed by sending accounting start packet after client obtaining IPv4 address and add Acct-Input-Octets and Acct-Output-Octets attributes in accounting stop packet.<br><br>**Click for additional information** |

## Fixed Problem Reports Between Build 26 (GA) and Build 1038 (MR)

| PR | Description |
|---|---|
| Case: 00376423<br><br>ALEISSUE-374<br><br>ALEISSUE-598 | **Summary**: Client-Traffic (WiFi) is forwarded to wrong VLAN (OV management VLAN).<br><br>**Explanation**: Client broadcast traffic in user VLAN can be forwarded to management VLAN, now the AP routing process will drop those packets.<br><br>**Click for additional information** |
| Case: 00414960<br><br>ALEISSUE-484 | **Summary**: APs are rebooting in the cluster after Performance Optimization -> AirTime Fairness enabled.<br><br>**Explanation**: Applying configuration when the AP is busy with some other condition handling causes abnormal AP reboot. The error is fixed by applying configuration in correct sequence.<br><br>**Click for additional information** |
| Case: 00424696<br><br>ALEISSUE-516 | **Summary**: Unable to create ACL with the network address 192.168.0.0/24.<br><br>**Explanation:** It is fixed on Express UI to support the configuration. |

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| | [Click for additional information](#) |
| ALEISSUE-519 | **Summary**: Chile Regulation/ Follow RF profile within CE regulatory guidelines.<br><br>**Explanation**: For country code Chile disable DFS channels. |
| Case: 00395961<br><br>ALEISSUE-508 | **Summary**: AP reboot reason command output inconsistency.<br><br>**Explanation**: To avoid reboot reason inconsistency, "reset_reason" command is removed, "reset_record" is the only command left in AP.<br><br>[Click for additional information](#) |
| Case: 00425830<br><br>ALEISSUE-523 | **Summary**: Stellar AP goes offline randomly in a cluster size more than 60 AP's.<br><br>**Explanation**: The issue only happens when there are more APs(above 85) working in the same Cluster, The PVC of Cluster sends broadcast message to the Cluster member every 8 seconds to get VC's status, and all other VCs are sending response message at the same time, leading PVC to miss out some of VCs response. The issue is fixed by adding random delay when VC responds status message.<br><br>[Click for additional information](#) |
| Case: 00422746<br><br>ALEISSUE-524 | **Summary**: Clients are able to access the network while connecting to the captive portal without the authentication if MAC Authentication session times out.<br><br>**Explanation**: It happens when client connects to the Captive portal SSID and even without the user being authenticated, when it roams to another AP, the client is able to access the network.<br><br>The issue is fixed by checking during client roaming if the captive portal is unauthorized or failed, the client must be redirected to the captive portal URL and Access Role from MAC authentication.<br><br>[Click for additional information](#) |
| Case: 00425854<br><br>ALEISSUE-551 | **Summary**: Error when downloading configuration and AP log collection does not work.<br><br>**Explanation**: The issue happens only on IE browser. It is fixed on front-end of Express GUI to make it compatible with IE browser.<br><br>[Click for additional information](#) |
| Case: 00431288<br><br>ALEISSUE-535 | **Summary:** AP rebooted due to watchdog.<br><br>**Explanation:** AP rebooted due to out of memory condition. It is optimized by modifying system memory configuration, increase the system reserved memory, and increase the system recycling level.<br><br>[Click for additional information](#) |
| Case: 00432399<br><br>ALEISSUE-557 | **Summary:**  AP channel changes due to radar detection. |

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| | **Explanation:** According to the regulation of outdoor environment in Germany, the AP should not work from 5150MHz – 5350MHz. In conformance removing support of 5150MHz – 5350MHz, and using 5470MHz – 5725MHz frequency band only.<br><br>**Click for additional information** |
| Case: 00434205<br><br>ALEISSUE-558 | **Summary:** OV returns defaultwlanprofile after Laptop goes to sleep and comes back up again on an 802.1x SSID of Stellar AP's.<br><br>**Explanation**: For clients which support OKC pmk cache, the client may not send the radius request to UPAM every time.<br><br>In prior release of 3.0.7 MR-1, the AP does not support OKC PMK cache (ProactiveKey Caching), if the client re-associates the AP by OKC PMK cache, the client will not be able to get role from UPAM.<br><br>**Click for additional information** |
| ALEISSUE-601<br><br>Case: 00441463 | **Summary:** Clients not able to connect to the SSID.<br><br>**Explanation**: The issue is that the AP switch occasionally becomes hung upon receiving invalid packets, sent by a malicious attacker.<br><br>To address, changed the packets forwarding path for avoiding the issue with RSS.<br><br>**Click for additional information** |
| OVE-6900 | **Summary:** When the radio0 (2.4G) has voice client, the radio1 (5G) will skip the channel selection.<br><br>**Explanation:** Distinguish the voice client band and correct to skip the auto channel selection on the band which voice call is happening. |
| OVE-6903 | **Summary:** When user modify the channel width after AP upgrading to AWOS307 and AP completing first round of channel selection, it will not select the channel with new channel width configuration.<br><br>**Explanation:** Once the manual channel width setting is not equal to current configuration, auto channel selection will be performed immediately. |

## Open Problem Reports and Known Issues

The problems listed here include problems known at the time of the product's release. Any problems not discussed in this section should be brought to the attention of the Service and Support organization as soon as possible. Please contact customer support for updates on problem reports (PRs) where no known workaround was available at the time of release.

| PR | Description | Workaround |
|---|---|---|
| Case: 00429189<br><br>ALEISSUE-531 | **Summary:** Stellar Express bridge feature. | Wireless bridge does not forward all VLAN traffic between two APs on some products such as AP1201, AP1201H, AP1201L and AP1201HL. There is no |

| | | workaround unless use other products as wireless bridge.<br><br>The issue is happening on several specific kind of products due to the switch chipset, the fix needs to change UI also, it is planned to be fixed in 4.0.1. |
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| Case: 00431290<br><br>ALEISSUE-538 | **Summary:** High memory noticed in AP. | It is partially fixed, the log size of DPI is limited to 2Mbytes from unlimited size, regarding to high memory cost by DPI process, it's still under investigation, the workaround is disable DPI feature for reducing memory costs. |
| ALEISSUE-540 | **Summary:** Alcatel WLAN phone 8128 disconnection when we have both AP-1101 and AP-1221. | The issue happens when 8128 phone roaming from one AP to another, then roaming back, the client disconnected. No workaround so far.<br><br>The issue is planned to be fixed in AWOS307-MR3. |

## New Features Introduced – 3.0.7.2056
N/A.

## Limitations and/or dependencies
N/A.

## Technical Support

Alcatel-Lucent technical support is committed to resolving our customer's technical issues in a timely manner. Customers with inquiries should contact us at:

| Region | Phone Number |
| --- | --- |
| North America | 1-800-995-2696 |
| Latin America | +1-877-919-9526 |
| European Union | +800 00200100 (Toll Free) or +1(650)385-2193 |
| Asia Pacific | +65 6240 8484 |

**Email :** ebg_global_supportcenter@alcatel-lucent.com

**Internet:** Customers with service agreements may open cases 24 hours a day via the support web page at: businessportal2.alcatel-lucent.com.

Upon opening a case, customers will receive a case number and may review, update, or escalate support cases on-line. Please specify the severity level of the issue per the definitions below. For fastest resolution, please have telnet or dial-in access, hardware configuration—module type and revision by slot, software revision, and configuration file available for each switch.

**Severity 1** - Production network is down resulting in critical impact on business—no workaround available.

**Severity 2** - Segment or Ring is down or intermittent loss of connectivity across network.

**Severity 3** - Network performance is slow or impaired—no loss of connectivity or data.

**Severity 4** Information or assistance on product feature, functionality, configuration, or installation.

## Appendix A: Software Upgrade Instructions in WiFi Express Mode

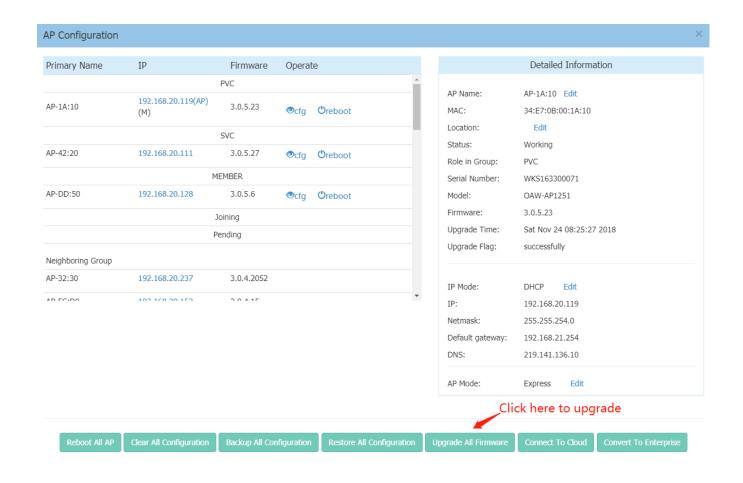1. Login to AP using Administrator account with default password 'admin'.

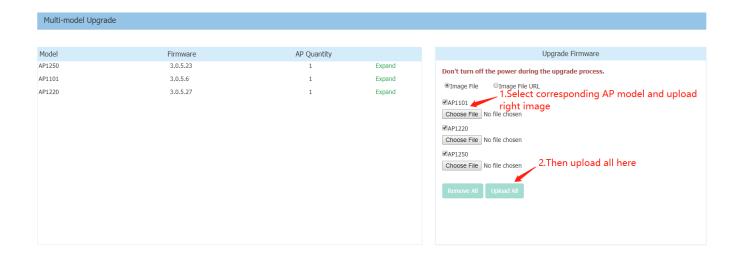

2. Click on the AP tab to open the AP Configuration page.



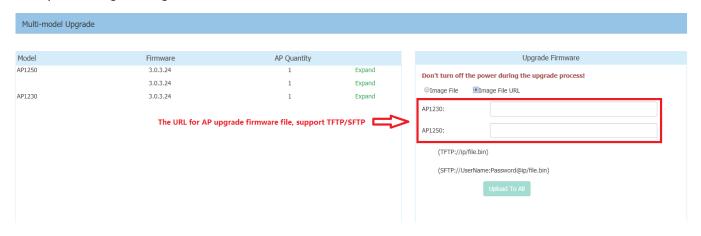3. On AP Configuration Page, click **Upgrade All Firmware.**

4. Select AP model and firmware file then click **Upload All**, this will upgrade the firmware and reboot the AP.

Example of using an **Image File**

Example of using an **Image File URL**



Fill in the URL of the firmware file and then click **Upload To All**, this will upgrade the firmware and reboot the AP.