

CPE F6501 - Maintenance

- **Diagnostics:** Diagnostic connection now recovers faster after an error condition.
- **Health Monitors:** Fixed issue with custom monitor interval not be applied under certain conditions.
- **IPsec:** Added support for health monitoring of IPsec security associations.
- **IPsec:** Added support for multiple zero-route IPsec tunnels on the same Mako device, with dynamic failover between them.
- **IPsec:** Fixed issue with multiple route-based tunnels not coming up properly after a soft reboot.
- **VPN Cloud:** Enhanced failover support for unhealthy routes to support either withdrawing the route or de-prioritising the route.
- **Wi-Fi:** Fixed issue roaming enabled on SSIDs bridged to VLANs on Mako 4550 and Mako 4600 series.

CPE F6500 - Features and Improvements

- **Wi-Fi Improvements**
We've improved device compatibility and stability for Wi-Fi clients on Mako 4000 and Mako 6000 series.
- **Automated Speed Tests**
We've added the ability to automatically monitor the available Internet bandwidth and latency on an ongoing basis, giving greater visibility over the networks performance.
- **SCTP-based Firewall Rules**
We've added SCTP support to the firewall. It is now possible to create fine grained SCTP firewall rules.
- **Firmware Update Enhancements**
We've enhanced the MakoScope and Firmware Update Status diagnostic to provide greater detail about firmware updates, how far they have progressed, and what firmware is being applied.

CPE F6500 - Maintenance

- **Cellular:** Improved compatibility for Verizon SIMs on Mako 6600 series hardware.
- **Deployment:** Improved compability with more USB key/thumb drive formats. Now supports USB keys without a partition.
- **Diagnostics:** Added a Wi-Fi Channel survey diagnostic to help identify channel occupancy at a site.
- **Diagnostics:** Added the ability to identify a Mako device by flashing its LEDs or LCD screen.
- **Diagnostics:** Improved the Wi-Fi Connected Devices diagnostic to provide more details on each connected device.
- **Internet:** Fixed issue where PPP may not reconnect in some situations for PPPoE over VWAN configurations.
- **Internet:** Fixed issue with DHCP-based WAN unexpectedly releasing its assigned IP address under certain situations.
- **IPsec:** Added support for custom static routes for a specific routing table.
- **IPsec:** Fixed IPsec not working on Cellular under certain situations.
- **Mako 4550:** Improved boot process for resilience against filesystem corruption.
- **Mako 5600:** Includes a system and kernel upgrade.
- **MakoScope:** Enabled MakoScope on Access Points now, rather than just Security Gateways.
- **MakoScope:** Improved handling of the local MakoScope when a Mako is restarted or becomes unavailable.
- **Reports:** Fixed issue with download usage not being recorded for some Internet configurations.
- **SNMP:** Cleaned up noisy SNMP logging.
- **System:** Improved time synchronization logic when a Mako device is unable to reach a NTP server for a long time.
- **VDSL:** Fixed issue with Mako 6600 series VDSL modems not enabled upon startup under certain situations.
- **Verifone:** Enhanced support for Verifone Commander troubleshooting and assistance.
- **Virtual Makos:** Fixed rare issue with IPsec tunnels using the wrong source IP address upon startup or reboot.
- **Wi-Fi:** Added mesh support to the Mako 4550 series.

- Wi-Fi: Fixed compatibility issue with certain Apple devices.

- Wi-Fi: Updated the Mako 4550 series Wi-Fi configuration to be an outdoor environment by default.

Have a suggestion to improve your experience with the Mako System?
We'd love to hear from you! support@makonetworks.com



Changelog
CPE F6501

Please consider the environment before printing this document.

