

## Cisco Rapid Response Kit Overview

Conceived by Cisco Tactical Operations (TacOps) in the aftermath of Super Typhoon Haiyan, the Cisco Rapid Response Kit (RRK) alleviates typical issues associated with heavy, power hungry, branch-in-a-box solutions. This cost-effective solution comprised of available COTS equipment provides an easy-to-build, first-in capability that quickly addresses needs of an incident command in a post-impact disaster environment.

## Who Needs the RRK?

Continuity of Government and Humanitarian Assistance teams often require network connectivity for a small workgroup network easily deployed by non-technical personnel, and yet still provide the advanced security, satellite connectivity, and wireless network features that modern disasters require. Daily operations in austere environments, such as those experienced by the Gas/Oil sector could also benefit from the RRK. Any customer concerned about business resiliency in times of crisis or emergency might benefit from such a kit.

## Cisco Meraki Architecture

The Meraki cloud increases IT efficiency, with cost savings, scalability, and manageability. This allows for a turnkey installation and management from an intuitive Map-based dashboard, with always up-to-date features. Scalability to hastily-form small branches to large networks is easy, with overall reduced operational costs.

## Benefits of the Cisco Meraki-based RRK

- Wired and Wireless real-time control
- Client fingerprinting
- Layer 7 application filtering and traffic shaping
- Quality of Service (QoS)
- Advanced Malware Protection (AMP)
- Intelligent WAN
- Location and presence analytics
- Density-optimized WLAN tuned for airtime fairness in performance-critical environments
- Mobile device management & BYOD support
- Remote diagnostics, automatic monitoring and alerts

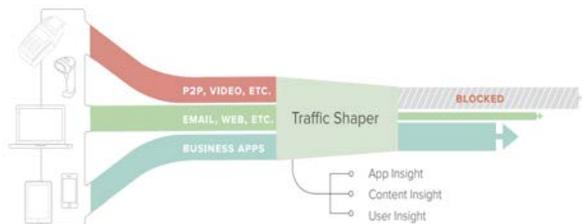
**Figure 1.** Centralized cloud management, RF Optimization + Application aware QoS for high throughput, high-density WLAN



## A Compact Footprint – In More Ways Than One

The entire kit, with the associated power adapters and network cabling fits comfortably into a typical airline carry-on sized hardened case. With Meraki cloud management, a network engineer need not be part of the team, and may remain safely outside of the disaster area while retaining the full ability to manage the network. Meraki VPN appliances provide concentrator connectivity back to the home office and telephony resources.

**Figure 2.** Meraki traffic analysis and shaping engine



## Traffic Shaping

Providing greater visibility beyond simple network management allows admins to understand user behavior and network utilization on their infrastructure. Meraki's policy management tools facilitate the creation of application-aware firewall and traffic shaping rules that can be used to optimize network performance and deliver a high quality of experience for end-users. Administrators can now count on rich application-layer insights across their edge access layer to fully understand user behavior. They can then leverage a flexible policy toolkit that allows for the creation and application of specific application policies down to a per-user basis. Traditional IT staff can use Meraki's MX to obtain the visibility required to optimize network performance, and ultimately build a scalable application-aware architecture that is built to last for the new BYOD and cloud apps era.

**Figure 3.** The Cisco Rapid Response Kit



## For More Information

Please contact [tacops-info@cisco.com](mailto:tacops-info@cisco.com)

Additional information about the Cisco Tactical Operations is available at [www.cisco.com/go/tacops](http://www.cisco.com/go/tacops)