



# Pre-Tested Security Services

Pre-tested security software updates reduce risk for mission critical networks



*Protecting life and property means keeping mission critical communications available to your first responders and other radio users when they need it and every time they need it. This requires taking the right steps to protect your network in the face of growing security threats.*

## Radio networks risk exposure from untested 3rd party security updates

The risk is everywhere and the risk is real. As dependency on radio networks continues to increase, the risk of intrusion or corruption from malware and other threats becomes an even greater challenge. Compounding that challenge, as mission-critical radio communications networks are connected to external IP-based networks, the RF systems are further exposed to security threats at every point of interconnection to an internal or external network or device. Commercial anti-virus software, firewalls and intrusion detection sensors are deployed as security measures to protect the wireless network. Keeping operating systems patched and updating anti-virus and intrusion detection sensors (IDS) signatures is highly critical. That's why software vendors (Symantec, Microsoft and others), release frequent updates to address new threats and vulnerabilities.

However, commercial software is not designed with your TETRA® or ASTRO® 25 radio network in mind. In fact, the software upgrade and patch alerts you receive on nearly

a daily basis to keep your IP network safe may negatively impact or compromise your radio network infrastructure. For most public safety and other mission critical communications organizations, when the radio network is down, people are at risk.

## Motorola Pre-Tested Security Services (PTSS) ensure compatibility

Motorola's PTSS are a forward-thinking safeguard that provide security assurance and facilitate the integrity of the Motorola TETRA and ASTRO 25 network components. Motorola's expert network security technologists continuously monitor the release of anti-virus updates and operating system (OS) patches provided by respective commercial software vendors, as well as IDS signature files for Motorola-provided IDS. The releases are analysed, pre-tested, and validated in TETRA and ASTRO 25 test labs to ensure that they are compatible and do not interfere with the TETRA or ASTRO 25 network functionality. Once the releases have been validated as safe for deployment with the radio network, they are posted on Motorola's secure Extranet site.



## Keeping your network protected and communications available

Testing software updates before deploying on a mission critical network is absolutely essential. Motorola Pre-Tested Security Services offer the safest method to acquire commercial security updates on a regular basis and keep your network safe from attack. This means that by downloading security updates and patches to your TETRA or ASTRO 25 radio network, you don't have to worry about negatively impacting your mission-critical communications network due to software-induced service interruptions.

PTSS provide benefits that make sense, including:

- **Increased network availability:** Reduces the vulnerabilities addressed by OS security patches and increases the confidentiality, integrity, and availability of TETRA and ASTRO25 networks
- **Reduced maintenance costs:** Dramatically reduces potential for network downtime, resulting in lower maintenance costs to bring the system back up again
- **Minimized risk:** Motorola takes the responsibility off your staff by monitoring, testing, and validating commercial security updates and posting them on our secure Extranet site for you to download
- **Better use of technical resources:** Because Motorola does the work for you, your own valuable technical resources can focus on responsibilities that directly support your mission



PTSS help provide the security you need to protect your network, help ensure uninterrupted public safety and other mission critical communications and let you focus on your operations. Our experienced security technologists, working from Motorola's TETRA and ASTRO 25 test labs, use proven testing methods to make certain that the security updates we provide are reliable and safe.

## Motorola's holistic approach to network security

PTSS are a part of Motorola's holistic approach to network security that optimises the people, processes, policies and technology that touch the network. Based on decades of experience in the design, integration and deployment of secure, mission-critical communications systems, Motorola is uniquely qualified in today's combined complexities of RF and IP networking. Based on Motorola's certified security reference architectures, we can provide defence-in-depth assessments and solutions tailored to meet customers' unique business and operational requirements. Additionally, Motorola's Security Operations Center (SOC) offers 24x7 network monitoring, incident detection, response and remediation services for network service providers, government and enterprise customers.

## The Motorola difference

With over 75 years experience in RF communications and customers in more than 80 countries, Motorola has an in-depth knowledge of mission critical processes, services and solutions that are focused specifically on public safety and mission critical customers. And over 6,500 service professionals and 900 local points of presence stand ready to help you gain the most out of your communications investment with end to end professional services that include Systems Integration, Support, Value Added and Managed Services.



**MOTOROLA**

Motorola, Inc.  
[www.motorola.com/tetra](http://www.motorola.com/tetra)

The information presented herein is to the best of our knowledge true and accurate. No warranty or guarantee expressed or implied is made regarding the capacity, performance or suitability of any product. MOTOROLA and the Stylized M Logo are registered in the US Patent & Trademark Office. All other product or service names are the property of their respective owners.  
© Motorola, Inc. 2009