Enterprise Mobility For the Military

C4 Systems
Incident Management
Asset Management
Identity Management

Enable your personnel with secure access to people, assets and information—any place, any time.

CONNECTED
MOBILE
INFORMED
SECURE
CONFIDENT

Better information leads to better decisions… and ultimately to better outcomes

Today's military faces high-stakes concerns that are complex, fluid and resource-intensive, including:

- Force protection
- Global deployment in challenging locations/environments
- Medical and health services for personnel
- Tracking people, supplies and equipment to ensure best use of resources
- Rapid access to an ever-increasing volume of data for strategic decisions
- Rapid biometric identification of terrorists
- Security at thousands of facilities throughout the world

Today's technology has answers… and raises other questions:

- Initial and ongoing costs
- Integration with legacy systems
- Ability to fit into your operations without disrupting established procedures
- Compliance with regulatory issues such as HSPD-12, information assurance, and narrowbanding

Dealing with these concerns is easier with an experienced partner who understands how to make technology work for the military. Turn to Motorola, a global supplier of advanced solution sets for critical voice, data and information systems.

Find out what else Motorola can do to empower the military with tools for working securely, efficiently, and with maximum impact.

Command, Control, Communications and Computers

Wirelessly extend your C4 capabilities from headquarters to the front line

Land Mobile Radio

Depend on a single, secure, innovative and reliable wireless IP network to link decision makers to a world of information. Scalable and expandable P25 compliant systems meet your communication needs from the simple single site that can cover a small geographic area to the largest network that can link governments, bases and agencies worldwide. Plus, protect your communication from unauthorized interception with leading edge encryption for total control over who can and cannot listen to your communications.

Information Assurance

Secure your network from unauthorized access to information. Motorola's information assurance (IA) program secures your land mobile radio IP infrastructure, ensuring the availability and integrity of the system.

Our IA policy, procedures and practices meet federal enterprise goals, mandates and applicable security regulations such as: FISMA, DIACAP, HIPAA and NIST.

Wireless Broadband

Motorola offers a broad portfolio of data network choices giving soldiers reliable communications anywhere they are. From WLAN to Point-to-Point Wireless Ethernet bridges to WiMAX, our broadband networks increase situational awareness by supporting voice, video and other high bandwidth applications for critical operations.

Command and Control Applications

Assist commanders with systems that help them obtain, analyze and document vital decision-making inputs associated with personnel safety, task completion and resource deployment. Motorola offers IP-based dispatch consoles which seamlessly integrate into P25 systems, CAD applications to better manage information, and mobile applications for quick access to data when and where it is needed.

Robust Devices

Delivering mobility demands devices that are rugged and can stand up to abuse over the long haul. Our lines of mobile solutions are designed for remarkable flexibility, versatility and durability. The portfolio includes:

- P25 compliant two-way radios providing unsurpassed encryption, interoperability, reliability and usability
- In-vehicle mobile workstations and rugged computers enabling real-time information and increased situational awareness
- Handheld devices combine the power of a mobile phone, computer, camera and bar code scanner making data truly portable

Photo courtesy of the U.S. Marine Corps, Cpl. Erik Villagran

CONNECTED

Motorola provides the Marines in Iraq and Afghanistan with rugged and dependable radios to enhance squad and below communications enabling greater flexibility in distributed operations.

Incident Management

MOBILE

Move out, scale up, and hit the ground running with rapid-deployment C4 solutions that are ready when you are.

Act quickly to control the scene… inside or outside the range of your fixed communications

Tactical and field mobility may require extraordinary communications support during extraordinary events. Rise to the occasion with C4 capabilities that spring into action:

- When your existing systems require backup
- When events occur outside your normal coverage area
- When you need communications support for additional personnel
- When you need enhanced interoperability in support of multiple agencies mounting joint operations
- When you need greater bandwidth for specialized applications and/or additional users

Deployable Communications

Choose from a range of scalable and interoperable solutions, from radio-equipped portable "jump and run" kits to complete trailer-mounted radio systems that can be driven to the scene and deployed in minutes. These deployable solutions can integrate with your existing radio systems—or they can operate as self-contained networks without the presence of a back-end fixed infrastructure.

Interoperability

Establish connections between disparate networks with a scalable IP-based bridging solution that accommodates both legacy and P25-compliant systems. Support all users, from the command center to the troops in the field, regardless of the agencies they work for or their "home" networks. A simple graphic interface allows dispatchers to activate pre-planned communications gateways, or quickly establish ad hoc connections as events require.

Tactical Broadband

Point-to-Point Wireless Ethernet Bridges deliver the high-bandwidth, performance, and reliability needed to support voice, data, and video applications for a variety of tactical operations. Communications can be quickly established in the most challenging conditions including non-line-of-sight environments, over bodies of water, across long distances and through extreme weather.

Broadband mesh solutions allow users to communicate with each other even when deployed beyond the range of your network infrastructure. Mesh radios and other end-user devices can establish direct peer-to-peer connections with other devices in the area, whether or not they are in range of a network access point.

Asset Management

Maximize the effective use of equipment, vehicles, supplies and personnel

Gain control over your logistics with automated wireless tracking systems that allow commanders and managers to see at a glance the status and location of every asset. Schedule and confirm the performance of timely inspections and maintenance, and meet compliance requirements. Achieve operational efficiencies to save time and money. Most critically, keep an eye on the safe deployment of your personnel and their medical needs.

Supply Chain Solutions

Motorola creates a dynamic, mobile logistics environment that integrates wireless technology with advanced data capture devices. These are complemented with applications from industry-leading partners to consolidate and analyze data.

- Asset management shows where your supplies and equipment are located and how they are deployed, at any point in your supply chain

- Fleet maintenance applications track service schedules, work orders, parts inventories etc., helping to minimize downtime and reduce costs for motor vehicles, aircraft, and other assets requiring regular maintenance

- Warehouse management helps to increase productivity, decrease costs, and quickly distribute assets when and where they are needed

Mobile Computing

Entering data by hand is time consuming and prone to error. Automate the process using mobile devices designed to handle the rigors of all-day, everyday use. Choose from a wide selection including:

- Highly rugged and durable handheld mobile computers

- Integrated data with bar code scanning, RFID, and image capture

- Ubiquitous wireless connectivity, indoors and out

- Data applications and phone calls with one device

Location Solutions for Force Protection

The ability to track the location of personnel at all times promotes their safety while supporting the effective deployment and allocation of resources. Motorola scanning, RFID, GPS and broadband technologies enable these critical applications.

Healthcare Management

Motorola brings mobility to military healthcare providing care at the point of activity. Give medics quick access to medical records allowing them to communicate information ahead to evacuation teams and hospitals. At every succeeding stage, medical staff enters and retrieves real-time information about patient status and actions taken.

Within medical facilities, our healthcare solutions combine bar code technology, handheld computers, WLAN and partner applications enabling:

- Nurses to scan patients' wristbands and medications, ensuring the right medication and the right dose is given at the right time

- Keeping track of vital hospital assets, effectively managing inventory

- Scanning bar codes for accurate and timely specimen collection

INFORMED

Gain a bird's-eye view of available assets on base and around the globe: What have you got, where is it now, and is it ready for action?

Biometrics and Identity Management

SECURE

Confirm identities and credentials using the latest biometric technologies to maintain high security while streamlining your procedures.

Strengthen your security protocols on base and in the field

Whether your concern is a secure facility, a secure border, or a secure conversation, it is critical to confirm individual credentials and ID. Biometric systems offer a swift and sure way to determine, beyond a doubt, if people are who they claim to be.

Because they are fast as well as accurate, these systems help to clear bottlenecks and keep things moving… while performing security checks for a variety of applications including:

- Checkpoint and patrol applications: Enroll and identify authorized personnel, apprehend or detain watch listed individuals, deny access to individuals lacking proper authorization
- Base access: Screen employees and visitors arriving on base, confirm origins and ID of vehicles carrying supplies
- Manage local populations: Coordinate with civilian law enforcement, ID civilian personnel authorized for access, manage refugees and other civilians
- Mobile AFIS access: Provide immediate remote access to fingerprints and facial images and other critical information

Accurate, scalable and interoperable biometric systems can greatly enhance your security. Motorola is a biometrics leader, with national deployments ranging from ePassport solutions to border crossing systems.

Choose from a range of solutions that combine advanced data capture capabilities (including RFID and PDF417 two-dimensional bar code technology) with applications developed by our partners to help governments around the world. These solutions perform three key tasks:

- **Collection**
  Wireless systems retrieve information about the subject: biographical, circumstantial, and biometric (including fingerprints, iris scans, facial recognition, voiceprints, and DNA matching).
- **Matching/Storage**
  The system compares the collected data against local and national databases, including personnel lists and watch lists from multiple installations and agencies. Multi-modal fused scoring promotes accurate matching results and helps to ensure that unauthorized persons are not mistakenly allowed to breach your perimeter.
- **Intel/Analyze**
  Based on the above results, the system reports back with immediately actionable intelligence and also produces reports for later analysis and accountability trails.

Communications Security and Performance

Optimize your communications and keep them secure with help from Motorola experts

Security Services

Security Assessment Services provide an in-depth evaluation to ensure that your wired and wireless networks are properly configured and secured according to industry best practices. This includes examining existing physical security, incident response procedures and operational security. The findings of a Security Assessment serve as a roadmap for mitigating the technology and operational risks associated with wireless technology, allowing you to address wireless security in a manner that best fits your available budgets and resources.

Risk Management Services

In the ever-changing world of wireless communications, new threats and vulnerabilities appear daily. Without a thorough understanding and prioritization of a network's risks and vulnerabilities, certain threats may be overlooked, exposing the network to downtime or security breaches. Other threats may be overprotected, wasting resources and budget. Wireless Security Risk Management Services help you understand the unique risks and vulnerabilities of your systems, so you can invest accordingly.

Physical Security Services

From natural disaster to enemy action, physical security threats to your communications can endanger lives and put vital operations at risk. Physical Security Services teams have industry-leading experts with extensive backgrounds in physical security and law enforcement. They can assess your security procedures, access controls, alarm systems, electronic surveillance measures, and personnel response policies and recommend a course of action to improve your overall security posture.

Network Security Monitoring

Hackers attempt to disrupt your communications and breach data security. Our Managed Security Services team, working from our Secure Operations Center, provides 24x7 security monitoring of firewalls and intrusion detection to help secure your communications and information systems. The team also supplies security software updates that are tested in advance to avoid adverse affects on mission-critical networks.

Repair and Maintenance

Over 500 service facilities worldwide in 28 countries, including depot facilities dedicated solely for Federal agencies and strategically located to support the military in Asia Pacific, Europe and Middle East, and of course in the United States.

Managed Services

Allow your organization to stay focused on the mission, while outsourcing some or all of the network responsibility to Motorola. Some customers look to Motorola to augment their internal resources on a special project, while others prefer to transfer the entire communications responsibility, including staff and equipment/assets. Whichever strategy you prefer, our team will provide a manager who oversees the entire network and acts as a single point of contact.

CONFIDENT

Look to an industry leader who can assist in fine-tuning your communications for optimal security and performance.

Over 65 Years of Understanding the Needs of Government Agencies

Motorola seamlessly and securely connects people, assets and information to help the military achieve true enterprise mobility.

Our comprehensive portfolio expands the mobile edge by providing the devices, networks, applications and services; ensuring always available, always secure information to make critical decisions when and where they are needed.

For over 65 years, Motorola has provided the federal government with the most reliable and innovative wireless solutions that help save lives and protect the security of the country.

To learn more about Motorola's full range of products and services, please visit our website: www.motorola.com/federal

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