



## **ENABLING YOUR MOST RESILIENT COMMUNICATIONS TO MEET YOUR ENTERPRISE IT GOALS**

Today's dynamic threat environment calls for new information communication capabilities that empower the National Park Service (NPS) to work as a cohesive team in their essential operations and emergency services. When emergencies arise, the ability to instantly communicate and share information in multiple formats can make a major difference in the outcome.

At Motorola Solutions, we've been innovating around the P25 mission critical communications standard, ensuring that voice, video and data communications across other networks, applications, and devices work in tandem to prepare you for today's challenges and tomorrow's uncertainties.

Our engineered solutions combine on-premise and cloud-hosted technologies. The depth and breadth of our products and services portfolio provide you with greater control over your modernization roadmap. Meanwhile, our cybersecurity portfolio achieves your objectives with system resilience and information assurance in an increasingly interconnected ecosystem.



For more information, please visit us on the web at: [www.motorolasolutions.com](http://www.motorolasolutions.com)

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## TAKE CONTROL OF YOUR MISSION-CRITICAL TECHNOLOGY TRANSFORMATION

Motorola Solutions can optimize the cost and improve the predictability of owning your on-premise P25 technology with sustainment services for continuity, peak performance, and the latest software and security updates.

With these savings, you can expedite your modernization goals with reinvestment in:

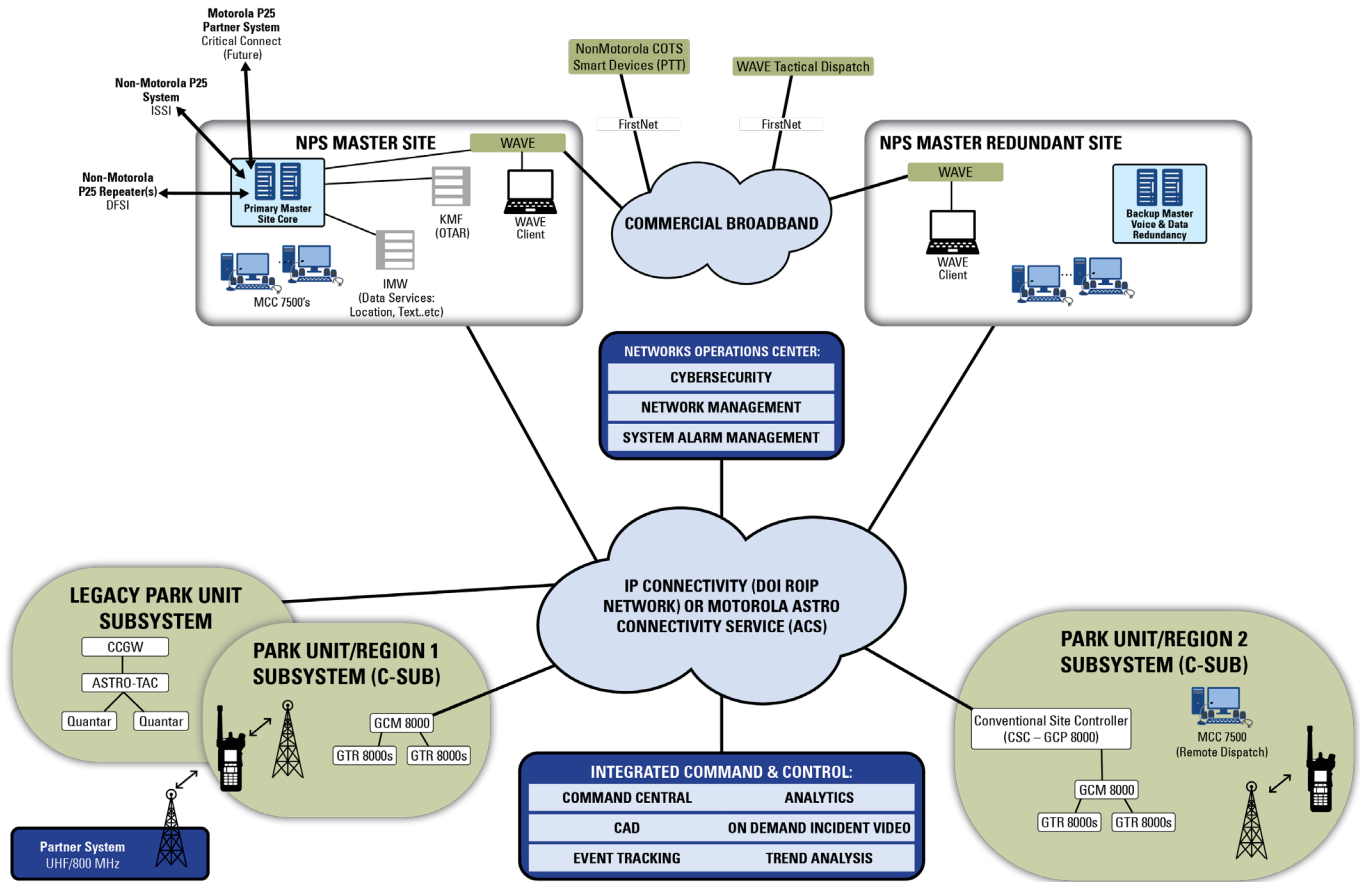
- **Software applications that enhance interoperability between your communications, and those used by partner agencies during disasters, emergencies, or essential operations.**
- **New cloud-hosted P25 technology that can start to consolidate your LMR investments and maximize utilization across the enterprise. This will fast track centralized system management, achieve dynamic system resilience, and produce cost synergies. It's also a more flexible environment for compatibility, interoperability, and security over time.**
- **Cybersecurity so more devices used on the National Park Service's IP networks achieve Zero Trust and your mission-critical technology systems remain operational.**
- **System integrations and analytics capabilities that produce more meaningful intelligence for situational awareness, and then apply that intelligence to future process improvements.**



## “SYSTEM OF SYSTEMS” FOR MISSION CRITICAL COMMUNICATIONS ACROSS THE NATIONAL PARK SERVICE

Optimize the way your teams conduct their operations by empowering them with the capabilities and conveniences multiple networks deliver. Motorola Solutions has a suite of technologies that can help NPS achieve its objectives across the enterprise. Our systems and services, communications software, cyber products and services, devices can unify and secure communications among NPS headquarters, dispatch centers, and Parks personnel. Our command software can enhance teams lead their operations by producing information from new video and visualizing the actionable intelligence, locating resources, and disseminating person, in the right place, at the right time.

## FUTURE NPS NOTIONAL ENTERPRISE SYSTEM



This architecture will help Information Technology and Cybersecurity teams meet their objectives in the following ways:

### INTEROPERABILITY

- Secure Hosted Connections to Federal and State and Local partners (Critical Connect)
- Secure OnPrem Connections to Federal and State & Local partners (ISSI and Conventional Channel Gateways)

### SYSTEM RESILIENCY

- Dynamic System Resilience (GeoRedundant Master Site)
- Local Area Voice Resiliency (Conventional Subsystems)

### CENTRALIZED SYSTEM MANAGEMENT

- Unified Event/Alarm Management
- Centralized Encryption Key Management
- Remote Delivery of Key Material

### CENTRALIZED CYBER SECURITY

- CAC/PIV
- ATO Support

### SUSTAINMENT SERVICES

- Security Update Service (Monthly)
- System Upgrade Agreement (Annual)

### NETWORK BACKHAUL/CONNECTIVITY AS A SERVICE

- MPLS
- Microwave
- LTE (FirstNet)
- Satellite

# STARTING TO UNIFY YOUR COMMUNICATIONS AT REGIONAL DISPATCH CENTERS

Your most valuable interoperability goals are at the regional dispatch centers which collaborate with other federal, state, and local agencies to conduct emergency operations.

In the Southeast region, NPS dispatch centers have an opportunity to centralize critical communications and connect to federal, state and local resources across the region, using Motorola Solutions' Critical Connect cloud-hosted connections. The Critical Connect ecosystem connects these State and Local partner resources, such as MSWIN, LWIN, TACN, and numerous other interoperable networks; providing NPS dispatch centers with essential interoperability, required for critical joint-operations, natural disaster responses and mutual-aid across jurisdictional boundaries.

With Critical Connect, NPS will achieve seamless voice and data interoperability with other federal, state and local agency partners. Critical Connect is a unified platform across both standards-based and proprietary systems powered by P25 or Motorola Solutions carrier-integrated and carrier-independent broadband PTT using one simple, versatile, and scalable cloud-based solution.

As a first step, you have the ability to create a cloud-based interoperability network between NPS talkgroups on state and local trunked P25 systems and existing NPS conventional P25 resources in the Southeast. This could be extended to eventually connect with other resources across the Department of the Interior's Radio over IP (RoIP) Network that connects the broader NPS enterprise, including headquarters.

REGIONAL DISPATCHING SYSTEM DESIGN PLAN USING CRITICAL CONNECT - NOTIONAL

