



# MISSOURI MAXIMIZES PUBLIC SAFETY



## WITH A NEW, STATEWIDE COMMUNICATIONS SOLUTION



### CHALLENGES ROOTED IN PUBLIC SAFETY

Missouri's homeland security program has long relied on properly structured communications to ensure public safety for every citizen of the Show Me State. However, within its existing infrastructure, interoperability was lacking between police, fire and medical services. This disconnect prevented local, county, state and federal agencies to communicate and coordinate with each other when needed. Communications were good – but they could be better.

Officials with the Missouri Department of Public Safety determined, based on observation, that when jurisdictions and cooperating organizations can communicate with each other, it leads to better overall response rates, and ultimately, safer communities at large. A way to better unite these agencies in the event that a major, urgent statewide emergency response became imminent, was needed.

### THROUGH INTEROPERABILITY, A COMMUNICATIONS CHANGE

Acknowledging that Missouri deserved the most effective solution, the department of public safety created the Missouri Statewide Interoperability Network, or MOSWIN, a statewide, mobile VHF/P25 system allowing any organization linked to the network to communicate with any local, state, regional or federal agency of choice.

### HOW MOSWIN WORKS

MOSWIN comprises communications towers, base stations and software, working in tandem to produce a statewide mobile system, with portable coverage for agencies in close proximity of the tower sites, or those equipped with mobile repeaters. Meeting an FCC public safety narrowbanding mandate, MOSWIN operates on five channels per site in the "trunked" radio mode, utilizing a predominant mix of 75 VHF/P25 sites across the high-band public safety spectrum (150 MHz). Additionally, coverage can be expanded through 700 MHz sites.

### MOSWIN: A SOLUTION WITH BENEFITS

Agencies across Missouri have come to quickly realize that MOSWIN provides them with numerous public safety communications advantages – namely, operational and emergency response efficiencies, technological advancements and ease of use:

- Standards-based, "Level 5" platform – the highest interoperability between agencies
- Increased coverage and user capacity
- P25 digital audio capabilities
- Seamless roaming action
- A centralized network management system

In addition, adoption of MOSWIN as a shared network offered Missouri a number of financial savings:

- Cost-effective
- Free of charge to public safety agencies – zero fees of any kind
- Operational expenses – like purchasing and maintaining equipment – distributed amongst agencies, lowering expenses and saving millions of dollars

# MISSOURI WINS WITH MOSWIN

Partnering with Motorola to strengthen its communications infrastructure was an important step for Missouri public safety. Neighbored by states on all sides, MOSWIN was designed not only to achieve interoperability with local and county agencies, but with outside responders from Illinois and Nebraska, and others.



## A LOOK AT THE NUMBERS

Missouri's resounding success rate under the new MOSWIN system – and its partnership with Motorola Solutions – is growing to new and exponential heights.

Since adoption in 2013, there are 606 different local, state and federal agencies linked on MOSWIN, with over 17,000 radios on the system, in various capacities, from part-time use to full-time operation.

There are also 220 24-hour dispatch centers utilizing the MOSWIN system for interoperability capabilities via control stations. Several other state agencies are also in the process of making the transition to MOSWIN.

With MOSWIN, Missouri achieved what it set out to do: adopt an interoperable communications system, aligning each law enforcement, fire and public service agency and organization out to accomplish the goal of providing safety and security for each and every resident.

It also gave Missouri a future-ready communications solution to evolve over time as the state's public safety needs change – and, to anticipate any developments aligned with state or national homeland security. The adoption of MOSWIN meant that groups like the Missouri State Highway Patrol, Department of Natural Resources and State Emergency Management Agency now have a cohesive, widespread communications hub capable of reaching other agencies in Missouri and beyond.

Learn more about [MOSWIN](http://www.motorolasolutions.com/government) at [www.motorolasolutions.com/government](http://www.motorolasolutions.com/government) and [www.dps.mo.gov/dir/programs/intercomm](http://www.dps.mo.gov/dir/programs/intercomm).

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