



Missouri (MO)

PSIC Federal Award: \$17,465,576

(Awarded September 30, 2007)

Summary

PSIC Investment Justification	Federal Funds
Strategic Technology Reserve (STR)	\$1,352,683
Planning	\$808,279
Acquisition and Deployment of Interoperable Push-to-Talk Communications	\$10,182,800
Training	\$1,500,000
Kansas City Urban Area Security Initiative (UASI) Region Connectivity Backbone for Regional and State Interoperability	\$1,201,341
St. Louis Urban Area (UA) Microwave Connectivity Backbone for Regional and State Interoperable Communications	\$1,035,121
Management and Administration (M&A)	\$512,073
Statewide Planning	\$873,279
Total PSIC Award	\$17,465,576

Pass Through: The Missouri Department of Public Safety (MDPS) fulfilled the PSIC Grant program's requirement by using a combination of Memoranda of Understanding (MOUs) and passing through of funds. The State entered into MOUs with the Regional Homeland Security Oversight Committees and the Kansas City Urban Area. The agreements authorize MDPS to expend PSIC grant funding on behalf of these jurisdictions. The State passed funds to the St. Louis Urban Area to implement a microwave backbone Investment.

Strategic Technology Reserve (STR): Missouri allocated \$1,352,683 to its STR Investment.

Investments

Strategic Technology Reserve (STR)

Federal Amount:	\$ 1,352,683
Non-Federal Match Amount:	\$ 321,921
Total Project Cost:	\$ 1,674,604



96%* Acquisition & Deployment	0% Training & Exercise	4% Planning & Coordination
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**Percentages include both Federal and non-Federal Match funds.*

A tremendous amount of equipment and technologies are available throughout the State that can be used for STR solution; however, the State recognizes it first needs to conduct an assessment of the existing equipment and determine the gaps in the STR solution. Any gaps will be mitigated by purchasing the needed interoperable communications equipment. The plan is to pre-position STR assets regionally to assist in a man-made or natural disaster. This Investment benefits public safety agencies across the State, including the Kansas City and St. Louis UASIs.

Planning

Federal Amount:	\$ 808,279
Non-Federal Match Amount:	\$ 0
Total Project Cost:	\$ 808,279



0%* Acquisition & Deployment	0% Training & Exercise	100% Planning & Coordination
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**Percentages include both Federal and non-Federal Match funds.*

Missouri requires a statewide wireless network for public safety and public service agencies. The current infrastructure is spread across multiple frequency bands and requires the implementation of a common framework to improve interoperability. This Investment will coordinate the planning, logistics, and implementation stages for the new network. One of the main components of the Investment is to hire a Chief Interoperability Officer whose responsibilities will be to support the survey and coverage assessments, develop competitive bids, prepare a Federal Communications Commission (FCC) license application, pursue frequency coordination approvals, and finally install and optimize the network.

Acquisition and Deployment of Interoperable Push-to-Talk Communications



Federal Amount:	\$ 10,182,800
Non-Federal Match Amount:	\$ 2,545,700
Total Project Cost:	\$ 12,728,500

100%* Acquisition & Deployment	0% Training & Exercise	0% Planning & Coordination
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**Percentages include both Federal and non-Federal Match funds.*

Missouri's current communications structure is comprised of hundreds of autonomous radio systems with users who cannot always communicate with one another seamlessly. This Investment will provide for the purchase, licensing, and installation of the digital circuits for the wide-area deployment of the VHF Missouri Tactical Channel to advance a statewide wireless push-to-talk network. A wireless push-to-talk network is essential to advancing toward a new, standards-based Project 25 (P25) trunked radio network. By adding simplex, multimode (analog and P25) radio base stations and controlling them via digital data circuits, the State can expand the coverage of the existing State interoperability channel and improve existing capabilities. This Investment benefits public safety agencies across the State, including the Kansas City and St. Louis UASIs.

Training



Federal Amount:	\$ 1,500,000
Non-Federal Match Amount:	\$ 0
Total Project Cost:	\$ 1,500,000

0%* Acquisition & Deployment	100% Training & Exercise	0% Planning & Coordination
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**Percentages include both Federal and non-Federal Match funds.*

Missouri has invested significant resources (\$29,000,000) in interoperable communications equipment and services over the past four fiscal years, and individual State agencies have successfully expanded their networks. Missouri now requires a statewide strategy to plan, exercise, and train these agencies. This Investment will provide training classes for incident responders and will develop a training template to be re-used as agencies migrate to new interoperable communications equipment.

**Kansas City UASI Region
Connectivity Backbone for Regional and State Interoperability**



Federal Amount:	\$ 1,201,341
Non-Federal Match Amount:	\$ 297,362
Total Project Cost:	\$ 1,498,703

99%* Acquisition & Deployment	<1% Training & Exercise	0% Planning & Coordination
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**Percentages include both Federal and non-Federal Match funds.*

The various existing voice/data communications systems in the Mid-America Regional Council (MARC) region (i.e., the Kansas City UASI) are currently not networked together. These circuits are not secure and lack the necessary bandwidth for the coordination of metro-wide emergencies. This Investment will build a regional microwave loop that will allow for sending and receiving secure voice/data communications, interconnection of legacy radio systems, and public safety radio user roaming via P25 inter-radio frequency subsystem interface standards.

**St. Louis UASI Microwave Connectivity Backbone
for Regional and State Interoperable Communications**



Federal Amount:	\$ 1,035,121
Non-Federal Match Amount:	\$ 256,193
Total Project Cost:	\$ 1,291,314

99%* Acquisition & Deployment	<1% Training & Exercise	0% Planning & Coordination
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**Percentages include both Federal and non-Federal Match funds.*

The St. Louis UA has many disparate, non-interoperable radio systems, and the eight-county, bi-state urban area is working to develop a shared microwave network. This Investment will fund the system design, equipment procurement, and system optimization and testing activities for Phase I focused in the St. Charles County and Northern St. Louis areas. The network will link radio systems, including Voice over Internet Protocol (VoIP), telephone, data, and video. This Investment will establish a foundation for a regional, standards-based responder radio communications system.

PSIC Administration and Statewide Planning Costs

Management and Administration (M&A)

Federal Amount:	\$ 512,073
Non-Federal Match Amount:	\$ 128,018
Total Project Cost:	\$ 640,091

The State was allowed to retain up to three percent of the total PSIC award for costs associated with the administration of the State's PSIC Investments. The M&A costs could include hiring full-time or part-time staff or contractors for grant management services related to reporting, monitoring and audit compliance, and associated travel and meeting expenses.

Statewide Planning

Federal Amount	\$ 873,279
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The State was allowed to retain up to five percent of the total PSIC award for Statewide Planning costs associated with the incorporation of the PSIC criteria into the Statewide Communication Interoperability Plan (SCIP). The Statewide Planning period of performance was April 1, 2007–December 3, 2007, with the submission of the SCIP.
