



# Maryland (MD)

**PSIC Federal Award: \$22,934,593**

(Awarded September 30, 2007)

## Summary

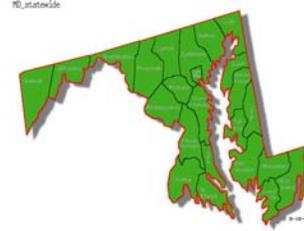
PSIC Investment Justification	Federal Funds
State and Local Communications Partnership: Tower and Fiber Infrastructure	\$7,900,000
Central Maryland Area Radio Communications (CMARC), Maryland Eastern Shore Interoperability Network (MESIN), Western Maryland Interoperability System Project (IPIX), Public Safety Intranet (PSINET), 700 Megahertz (MHz): Systems Upgrade, Improvement, and Acquisition	\$9,150,000
State Interoperability Executive Committee (SIEC) Consultant Support	\$800,000
Data Exchange Hub (DEH) and National Capital Region (NCR) Fiber Optic Network Infrastructure (NCRnet)	\$4,700,000
Management and Administration (M&A)	\$384,593
Statewide Planning	-
<b>Total PSIC Award</b>	<b>\$22,934,593</b>

**Pass Through:** The State of Maryland fulfilled the PSIC Grant Program requirement by passing through a minimum of 80 percent of the total award amount to local or tribal governments or authorized nongovernmental public safety agencies

**Strategic Technology Reserve (STR):** Maryland submitted a written STR waiver request based on the fact that the State has invested in a number of reserve capabilities, including radio caches, deployable towers, mobile command vehicles, and satellite communications. The State was granted a full waiver.

## Investments

### State and Local Communications Partnership: Tower and Fiber Infrastructure



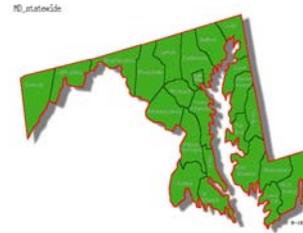
Federal Amount:	\$ 7,900,000
Non-Federal Match Amount:	\$ 1,777,500
<b>Total Project Cost:</b>	<b>\$ 9,677,500</b>

<b>92%*</b> Acquisition & Deployment	<b>0%</b> Training & Exercise	<b>8%</b> Planning & Coordination
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*\*Percentages include both Federal and non-Federal Match funds.*

Maryland is geographically diverse State with some high population density areas, which results in coverage and capacity challenges. As a result, Maryland's first responders are currently unable to use radio communications across all agencies and jurisdictions. This Investment provides for an extension of the Public Safety Intranet (PSINET), a connected system of digital microwave and fiber linkages, which will link first responders and local agencies to one another, and eliminate coverage gaps throughout the State. PSINET will allow local emergency management services (EMS) personnel to speak directly with physicians at emergency departments. This Investment will also provide four new towers to fill in local coverage gaps and to ensure PSINET connectivity in previously unincorporated counties. Planning funds will be used to coordinate these improvements.

**Central Maryland Area Radio Communications (CMARC),  
Maryland Eastern Shore Interoperability Network (MESIN),  
Western Maryland Interoperability System Project (IPIX),  
Public Safety Intranet (PSINET), 700 Megahertz (MHz):  
Systems Upgrade, Improvement, and Acquisition**



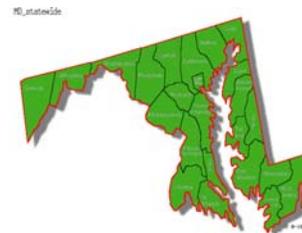
Federal Amount:	\$ 9,150,000
Non-Federal Match Amount:	\$ 1,772,812
<b>Total Project Cost:</b>	<b>\$ 10,922,812</b>

<b>81%*</b> Acquisition & Deployment	<b>6%</b> Training & Exercise	<b>13%</b> Planning & Coordination
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*\*Percentages include both Federal and non-Federal Match funds.*

Various proprietary systems and equipment used by State agencies and local entities prevent seamless communication across the State. This Investment will allow Maryland to create a “network of networks” with alternate modes of communication, portability, and architecture. The State will improve and extend the Maryland Eastern Shore Interoperability Network (MESIN) and the Central Maryland Area Radio Communications (CMARC), both Radio over Internet Protocol (RoIP) solutions, through infrastructure improvements. These improvements will result in an advanced regional simulcast system that will provide trunked wireless voice interoperability on a Project 25 (P25) backbone. In Western Maryland, this Investment will fund a new pilot RoIP project to address communication gaps in rural and mountainous regions. Lastly, the State will expand the availability of National Public Safety Planning Advisory Committee (NPSPAC) channels in Southern Maryland and implement a real-time traffic video system through MESIN. Training and exercises are in place for the new systems and equipment. These improvements are expected to link disparate systems, extend coverage in underserved regions, and promote interoperability through the use of shared channels.

**State Interoperability Executive Committee  
Consultant Support**



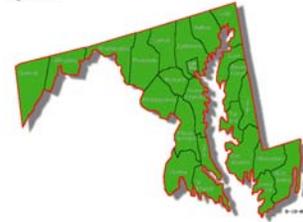
Federal Amount:	\$ 800,000
Non-Federal Match Amount:	\$ 0
<b>Total Project Cost:</b>	<b>\$ 800,000</b>

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

Maryland requires additional support to determine future technology requirements and increased oversight of interoperable communications projects. This investment will fund the development of three detailed technical plans to guide Southern Maryland, Western Maryland, and the National Capital Region (NCR) towards the use of NPSPAC Mutual Aid channels. Additionally, this Investment will allow the State to continue its partnership with the University of Maryland, which has provided support in the State’s development of interoperability governance, outreach to public safety partners, and enhanced communications plans and protocols. Consultants will also be used to conduct asset inventory using the Communication Assets Survey and Mapping (CASM) tool. This Investment will provide the State with the support it needs to determine interface requirements, technology options, implementation sequences, and project oversight.

MD\_statewide



## Data Exchange Hub and National Capital Region Fiber Optic Network Infrastructure (NCRnet)

Federal Amount:	\$ 4,700,000
Non-Federal Match Amount:	\$ 1,034,823
<b>Total Project Cost:</b>	<b>\$ 5,734,823</b>

<b>90%*</b> Acquisition & Deployment	<b>0%</b> Training & Exercise	<b>10%</b> Planning & Coordination
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*\*Percentages include both Federal and non-Federal Match funds.*

First responders in the National Capital Region (NCR) are currently unable to share secure and reliable data. This Investment in the Data Exchange Hub (DEH) and the NCRnet project will provide the application and network infrastructure necessary to allow secure, noncommercial access to regional communications systems. Improvements to this system will facilitate real time, inter-regional, and emergency support function (ESF) communications. The DEH/NCRnet initiatives will provide an enhanced data-exchange environment, integrated emergency exchanges between regional and Washington, D.C. ESF agencies, dedicated fiber-optic connections for the exchange of data, and policies and procedures to govern the infrastructure. The Investment is expected to improve agency response to and recovery from all-hazards incidents.

## PSIC Administration and Statewide Planning Costs

### Management and Administration (M&A)

Federal Amount:	\$ 384,593
Non-Federal Match Amount:	\$ 98,400
<b>Total Project Cost:</b>	<b>\$ 482,993</b>

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	\$ 0
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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. Maryland, however, chose not to allocate its PSIC funds in this manner.