

## PSAP Grant Program Grant Ranker

# View Application--70--CAD Replacement

**Grant Period:** 2009

**Tier:** Replacement of technically outdated wireless E-911 equipment or service to enable primary PSAP to maintain current service levels to the general public (**TECHNICALLY OUTDATED**)

**Grant Program:** Enhancement **Grant Type:** Individual PSAP

**Priority:** Other (**OTHER**)

**Primary PSAP Applicants:** Shenandoah County Emergency Communications

**Jurisdictions Served:** Shenandoah

### **Project Director:**

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### **Project Description:**

Shenandoah County is a rural county with a population of approximately 39,925 and growing and encompasses 512 square miles. Our Communications Center is responsible for receiving and dispatching calls for service for those living in and traveling through the County. Shenandoah County Emergency Communications Center currently operates using Archonix Computer Aided Dispatch System. Shenandoah County Emergency Communications Center is a multi jurisdictional agency who dispatches calls to multitude of public safety agencies

**Total Project Cost** \$193,550.00

**Amount Requested:** \$150,000.00

**Matching Funds:** \$43,550.00

**Additional Local Funds:** \$0.00

### **Statement of Need:**

Shenandoah County Emergency Communications Center's Computer Aided Dispatch was purchased in 2000 and is extremely outdated. Shenandoah County has an obligation to the citizens and to those visiting and traveling through the county with current technology to assist the public. Shenandoah County does not have the money available to fund the entire project. This project has been placed in the Capital Improvement Plan for FY 08-09 and is listed as a critical need

### **Project Impact:**

CAD is a critical portion of daily operational duties of the Shenandoah County Communications Center. This upgrade will allow the much needed advancement in technology in order for the center to move forward with up coming changes to the 911 industry.

**Consequence of Not Receiving:**

Shenandoah County will be unable to provide needed services to the citizens and field units. The current system no longer provides software updates to allow forward advancement with technology.

**Part of Long Term or Strategic Plan?:** Yes

**Likelihood of Completion Unfunded?:** 0%

**Other Available Funding Sources?:** No

**Percent of Grant Funding Requested To Total Funding Cost?:** 80%

**Is Project Locally Sustainable?:** Yes

**Comprehensive Project Description:**

Shenandoah County is in the process of securing a new multi jurisdictional Computer Aided Dispatch System. Shenandoah County Emergency Communications Center serves as a centrally located PSAP that serves six separate law enforcement agencies and twelve fire and rescue agencies. The current CAD system has been in place since 2001 and there are no critical updates or new software upgrades available and support for the current product is becoming limited. The intent of this project is to deploy a new system that will allow the PSAP to handle all calls for service for each agency within one system. The new system will have the ability for call takers and dispatchers to monitor event history, access to name data, and the ability to search for any needed data shared among all agencies involved. The system will be a turn key system containing verified address information from each jurisdiction with the ability to send units across jurisdictional boundary lines for mutual aid assistance. The CAD system will be interfaced with all current systems such as E911 interface for easy address transfer from the phone system including phase II information, VCIN/NCIC interface for transactions and entries, mapping and Net clock for accurate time stamp. Data from the current CAD system will be converted so historical information will not be lost and reports and statistical data will be able to be retrieved from the new system. Training will be provided by the vendor to all current employees in a train the trainer format so all employees will be able to train any new employees that are hired after the new system is in place. Implementation will be monitored and all standards must be met before acceptance of the system.

**What type of interface or compatibility solution will be used between existing equipment and/or software and that which you intend to purchase?:**

Shenandoah County has recently started a project that will upgrade the Net Clock which will provide the needed upgrade to interface with new technology. The 911 phone system is also being upgraded which will allow for new technology to interface between 911 and CAD. This system is compatible with our current audio recording system.

**What is the overall relationship of your project to your PSAP or locality's established long-range future plans?:**

Vendor assures that system will consistently and constantly be upgraded as technology progresses. Shenandoah County strives to maintain a status quo with technology advancements.

**How will the equipment purchased will support future technologies for PSAP readiness?:**

They system will allow the communications center to maintain a thorough database of hazardous areas, dangerous persons and the ability to better handle critical incidents.

**Budget and Budget Narrative:**

The total cost of the project is \$193,550. Funding break down of the project amount is as follows: \$43,550 in local funds, \$150,000 CAD Grant Program. Shenandoah County has secured the remaining funds through the Capital Improvement Program and the funds will be available July 1, 2008

**Ongoing Expenses:**

The vendor will provide one year maintenance with the initial purchase of the system. Yearly maintenance costs will be a yearly budgetary item which will be shared by all agencies served by the PSAP.

**Evaluation:**

Shenandoah County will evaluate the CAD system by comparing the new system to the old CAD System. An

oversight Team consisting of IT Technicians, ECC Supervisors and Communications Officers. The Team will monitor the job scope, verify installation in a safe and acceptable manner and validate functionality of the equipment to ensure the system meets our goals. Vendor will be held accountable by a performance bond.

**What are the short term, intermediate, and/or long-term outcomes desired for this project?:**

Short term goals will consist of geo data conversion, installation, and training. Intermediate goals are to establish data sharing with local and regional agencies. Long term goals will be to interface CAD and mobile field units.

**What measures will be used to determine outcomes?:**

IT personnel will be responsible for monitoring and reporting progress for the life of the project. Reports will be made to agency heads affected by the project.

**How will data be collected and how will evaluations be conducted?:**

IT personnel will monitor use of system to ensure proper operation of CAD and interfaces. Input from users will be utilized on a daily basis to ensure system performs satisfactory.

**How will data be presented?:**

All data will be collected and distributed to all agencies involved on a regular basis to ensure system is utilized as needed. IT personnel will query system for needed data and reports for agencies involved.

**Attachments**

<a href="#">Shen Co CAD Budgetary Pricing For Wireless Grant Request.doc</a>
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<b>SHENANDOAH COUNTY CAD UPGRADE GRANT REQUEST BUDGETARY PRICING</b>		
<b>PROJECT ELEMENT</b>	<b>ITEM COSTS</b>	<b>TOTAL COSTS</b>
<b>BASE CAD</b>		
Aegis/MSP Combined Multi-Jurisdiction LE/FIRE/EMS	\$63,000	
CAD Mapping	\$7,000	
E-911 Interface	\$7,000	
Netclock Serial Interface	\$7,000	
Priority Dispatch PROQA for EMD Interface	\$7,000	
<b>BASE CAD TOTAL</b>		<b>\$91,000</b>
<b>CAD MODULES</b>		
CAD/NCIC Interface	\$10,000	
CAD Stats Mapping	\$11,250	
<b>CAD MODULES TOTAL</b>		<b>\$21,250</b>
<b>IMPLEMENTATION / PROJECT MANAGEMENT</b>		
Project Management	\$20,000	
Configuration/Training/Technical Support	\$57,200	
IT Consulting	\$5,500	
Interface Installation		
911 Interface	\$3,500	
Netclock Interface	\$3,500	
ProQA for EMD Interface	\$4,500	
State/NCIC	\$5,000	
GeoFile Implementation	\$6,000	
<b>IMPLEMENTATION / PROJECT MANAGEMENT TOTAL</b>	<b>\$105,200</b>	
<b>IMPLEMENTATION / PROJECT MANAGEMENT TOTAL (TOTAL COST DIVIDED IN HALF FOR CAD PORTION)</b>		<b>\$52,600</b>
<b>GEOFILE CREATION / MANAGEMENT</b>		
ESRI ArcGIS Software	\$12,500	
GeoFile Maintenance Software	\$1,200	
<b>GEOFILE CREATION / MANAGEMENT TOTAL</b>		<b>\$13,700</b>
<b>TRAVEL AND LIVING EXPENSES</b>		
Estimate 20 trips @ \$1,500 per trip	\$30,000	
<b>TRAVEL AND LIVING EXPENSES TOTAL (TOTAL COST DIVIDED IN HALF FOR CAD PORTION)</b>		<b>\$15,000</b>
<b>TOTAL CAD PROJECT COST</b>		<b>\$193,550</b>
<b>80% TOTAL CAD PROJECT COST</b>		<b>\$154,840</b>
<b>TOTAL GRANT FUNDING REQUESTED</b>		<b>\$150,000</b>
<b>LOCAL SHARE IF GRANT IS AWARDED</b>		<b>\$43,550</b>