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Dorothy Spears-Dean
PSC Coordinator
(804) 416-6201

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Virginia Dept. of
Emergency Management

FY 10 Grant Guidelines
for
Virginia Wireless E-911 Services Board's
PSAP Grant Program

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Virginia Wireless E-911 Services Board's PSAP Grant Program

I. Executive Summary

The PSAP Grant Program is a multi-million dollar grant program administered by the Virginia Wireless E-911 Services Board. The primary purpose of this program is to financially assist Virginia primary PSAPs with the purchase of equipment and services that support the continuity and enhancement of wireless E-911. Any Virginia primary PSAP that supports wireless E-911 is eligible to apply for and receive these funds either as a stand alone applicant or as part of a regional initiative or a consolidation project. Grant awards can not exceed the following:

- \$150,000 for an individual primary PSAP
- \$325,000 for a regional initiative involving two primary PSAPs or a currently consolidated PSAP
- \$475,000 for a regional initiative involving three primary PSAPs and/or two primary PSAPs and a currently consolidated PSAP
- \$625,000 for a regional initiative involving four primary PSAPs and/or three primary PSAPs and a currently consolidated PSAP
- \$775,000 for a regional initiative involving five or more primary PSAPs and/or four or more primary PSAPs and a currently consolidated PSAP
- \$800,000 for a consolidation project

The deadline to apply for a grant each year is October 31st. Primary PSAPs need to submit their requests using the online grant application on VITA's Integrated Services Program website. Individual PSAP and regional initiative applicants will have a twelve month grant period in which to expend their grant awards. Consolidation project applicants will have a twenty four month grant period in which to expend their grant awards. All grant periods will run consistent with the Commonwealth's fiscal year. However, this program cannot guarantee grant funding to sustain multi-year projects.

The chairperson of the Board will make appointments to the PSAP Grant Program's Grant Committee. Each year, in anticipation of the upcoming grant cycle, the Grant Committee will recommend to the Board the grant funding priorities, as well as any changes to the existing grant guidelines or administration of the grant program. The final authority to administer the PSAP Grant Program rests with the Board, and without prior notice, the Board can amend, alter, or change the guidelines, as well as require the Grant Committee to undertake additional responsibilities not already specified in the guidelines.

Primary PSAPs have two programs through which to apply for grant funds. These programs are the Wireless E-911 Continuity and Consolidation Program and the Wireless E-911 Enhancement Program. The purpose of the Continuity and Consolidation Program is to provide funding to primary PSAPs for projects designed to replace or upgrade wireless E-911 equipment and services that are out of service, without vendor support, technically outdated, or can no longer perform at an established minimum functional standard to sustain an acceptable level of service to the public. Each year, this program will receive no less than 80% of the available funds in the PSAP Grant Program. However, should all approved grants for the Continuity and Consolidation Program for a

specific year be fully funded, then any funds left from the 80% in that same year may be allocated for other grant programs as deemed appropriate by the Committee and/or Board. The purpose of the Enhancement Program is to provide funding to primary PSAPs for projects designed to strengthen, broaden or increase the current wireless E-911 operations through equipment, PSAP staff development, or service beyond that PSAP's current capabilities. Each year, this program will receive the remaining percentage of the available funds in the PSAP Grant Program.

All applications submitted by primary PSAPs for these grant programs must include a statement of need, a comprehensive project description, a budget, a budget narrative, and an evaluation plan. Awards will be made by the Board based on the substance of the application relative to the established funding priorities.

II. Introduction

What is the PSAP Grant Program?

The PSAP Grant Program is a multi-million dollar grant program for Virginia primary PSAPs to provide financial assistance to these organizations based on demonstrated need. Funding for this program is being made available through the Virginia Wireless E-911 Services Board (the “Board”) to support wireless E-911. The primary goal of this program is to financially assist primary PSAPs with the purchase of equipment and services that support the continuity and enhancement of wireless E-911, including voluntary PSAP consolidation projects.

This PSAP Grant Program has been established in §56-484.17 of the Code of Virginia.

Wireless E-911 Fund; uses of Fund; enforcement; audit required:

The remaining 10% and any remaining funds from the previous fiscal year from the 30% for the CMRS providers shall be distributed to the PSAPs or on behalf of PSAPs based on grant requests received by the Board each fiscal year. The Board shall establish criteria for receiving and making grants from the Fund, including procedures for determining the amount of a grant and payment schedule; however, the grants must be to the benefit of wireless E-911. Any grant funding that has not been committed by the Board by the end of the fiscal year shall be distributed to the PSAPs based on the same distribution percentage used during the fiscal year in which the funding was collected; however, the Board may retain some or all of this uncommitted funding for an identified funding need in the next fiscal year.

In regards to the PSAP Grant Program, the Board is authorized to undertake the following actions:

1. Distribute 10% of the Wireless E-911 Fund collected during the current fiscal year as PSAP grants to support Wireless E-911.
2. Distribute any remaining funds from the 30% CMRS earmark collected during the previous fiscal year as PSAP grants to support wireless E-911.
3. Distribute to the PSAPs any uncommitted grant funding at the end of each fiscal year based on the same distribution percentage used during the fiscal year in which the funds were collected.
4. Retain any of the uncommitted grant or CMRS funding for an identified funding need in the upcoming fiscal year, which may include specified grant funding or special projects for the next fiscal year.

This document contains information about the rules and requirements governing the PSAP Grant Program, the types of projects eligible for funding, and instructions for completing and submitting the online grant application. However, the final authority to administer this grant program rests with the Board. The Board can amend, alter, or change these guidelines, as well as require the Grant Committee to undertake additional responsibilities not already specified in the guidelines.

Definitions

CMRS – means mobile telecommunications services as defined in the federal Mobile Telecommunications Sourcing Act, 4 U.S.C. § 124, as amended.

CMRS provider – means an entity authorized by the Federal Communications Commission to provide CMRS within the Commonwealth of Virginia.

Consolidation – means the combining of two or more primary PSAPs into a single physically combined primary PSAP with an integrated management structure established by MOUs that serves the same constituent population previously served by the independent primary PSAPs. In addition, all parties must benefit directly from the consolidation activities implemented with a grant award.

Consolidation Project – means a project that meets the narrow criteria of “consolidation”. “Shared resource” or “co-location” projects are considered regional initiatives.

Memorandum of understanding (MOU) – means a formal document that guides and directs the parties of a Regional Initiative in regards to their affiliation and working relationship, inclusive of anticipated future arrangements, for the purposes outlined in the grant application submitted by the parties.

Public Safety Answering Point (PSAP) – means a facility equipped and staffed on a 24-hour basis to receive and process wireless E-911 calls or that intends to receive and process wireless E-911 calls and has notified CMRS providers in its jurisdiction of its intention to receive and process such calls.

Primary Public Safety Answering Point – means a specific group of PSAPs that are recognized by the Virginia Wireless E-911 Services Board as eligible to receive wireless funding. Only these specific PSAPs may participate in the PSAP Grant Program.

Regional Initiative – means a project or projects involving multiple primary PSAPs that represent no less than two cities, two counties, or a combination of at least one city and one county. A regional initiative can also mean a single primary PSAP that serves multiple counties or cities. Regional initiatives can include projects from the Continuity and Consolidation Program, the Enhancement Program, or both. Regional initiatives are interpreted broadly. Included in this definition are regional approaches aimed at consolidating the components that support wireless E-911, such as shared equipment, shared resources, and/or the co-location of technology. All participants must benefit directly from the regional activities implemented with the grant award.

Wireless E-911 Fund – means a dedicated fund consisting of all moneys collected pursuant to the Wireless E-911 surcharge, as well as any additional funds otherwise allocated or donated to the Wireless E-911 Fund.

Wireless E-911 surcharge – means a monthly fee of \$.75 billed by each CMRS provider and CMRS reseller on each CMRS number of a customer with a place of primary use in Virginia.

Eligibility

Any Virginia primary PSAP that supports wireless E-911 is eligible to apply for and receive these funds. Additional consideration will be given to new primary PSAP projects that are not currently being supported by a local, state or federal grant and to primary PSAPs that can demonstrate financial need. In order for a funding request from a primary PSAP to be considered, the PSAP must have already submitted any required true-up for the previous FY by the identified deadline, unless an exception has been granted by the PSC Coordinator. Certain projects, such as GIS and personnel recruitment and retention, shall require data sharing with the Commonwealth of Virginia, as well as other PSAPs, when appropriate. This requirement will be stated in the grant award.

Grant funds are to be used to supplement the portion of local governments' budgets that pertain to PSAPs, not replace any funds which would have been budgeted for the grant-funded purpose in the absence of the grant. This means that a locality can not replace general funds that have been allocated for a specific PSAP project with grant funds awarded for the same project in the same fiscal year

Amount Available

A primary PSAP can submit no more than one individual grant application and participate in no more than one regional initiative in a grant cycle. As a result, a primary PSAP could be requesting funding in two separate applications during the same grant cycle. Alternatively, a PSAP could participate in a consolidation project during a grant cycle. If the PSAP participates in a consolidation project, then the PSAP is prohibited from participating in a regional initiative until the consolidation project is complete, and the PSAP is ineligible for funding as an individual PSAP. The only exception for funding would be an emergency appeal made by a single primary PSAP participating in an ongoing consolidation project faced with a critical need related to maintaining current operations and unrelated to the consolidation effort. An appeal for this exception would need to be made directly to the Board and would be limited to \$150,000.

In addition, funding requests from either a single primary PSAP or for a regional initiative can include multiple projects from different grant programmatic areas. Funding requests for PSAP consolidation projects can only be used for equipment and services that directly relate to a physical consolidation. Funding requests for more than one project in a single request will need to be prioritized. Each project should include its own cost schedule. In the event that the Board exercises its discretion and recommends a partial or incomplete award, the Grant Committee will work with the primary PSAP listed on the grant application to determine an optimal solution.

Grant awards can not exceed the following:

- \$150,000 for an individual primary PSAP
- \$325,000 for a regional initiative involving two primary PSAPs or a currently consolidated PSAP
- \$475,000 for a regional initiative involving three primary PSAPs and/or two primary PSAPs and a currently consolidated PSAP

- \$625,000 for a regional initiative involving four primary PSAPs and/or three primary PSAPs and a currently consolidated PSAP
- \$775,000 for a regional initiative involving five or more primary PSAPs and/or four or more primary PSAPs and a currently consolidated PSAP
- \$800,000 for a consolidation project

Grant Period

The grant period for successful individual primary PSAP or regional initiative applicants will be for twelve months and this twelve month grant award period will run consistent with the Commonwealth's fiscal year. The grant period for successful consolidation project applicants will be for twenty-four months and this twenty-four month grant award period will run consistent with two Commonwealth's fiscal years. The Commonwealth's fiscal year begins on July 1st and ends on June 30th.

Multi-Year Funding

This is an annual grant program. Therefore, this program cannot guarantee grant funding to sustain multi-year projects. However, extensions to the grant period are permitted, if approved by the Board. PSAP Grant Program extensions will be handled in the same manner as other long-standing funding programs of the Board and are discussed in the Grant Cycle section.

However, maintenance may be included as a pre-paid option for an original purchase (up to 5 years) for items that are included in the priority list for the Continuity and Consolidation Program. Maintenance as a separate purchase is not eligible for funding.

How to Apply/Deadline

The entire grant application package is accessible from VITA's Integrated Services Program's website (www.va911.org). This online grant application has been designed with built-in "help screens" and "drop-down menus" to assist primary PSAPs with the application process. The application can be saved and retrieved as many times as needed during completion.

The online system will not accept incomplete applications and will alert a primary PSAP if required information is missing. **However, once an application has been submitted, it cannot be changed without the intervention of PSC staff.** After submission, an automatic e-mail notification will be sent to the e-mail address listed for each project contained in the online grant application.

All funding requests must be submitted using the online grant application on VITA's Integrated Services Program's website. In addition to the online help, technical assistance is available from VITA's Public Safety Communications (PSC) staff throughout the grant process. The deadline to apply each year is October 31st.

III. Funding Guidelines

Grant Committee

The chairperson of the Board will make appointments to the Grant Committee for the PSAP Grant Program. Membership to the Grant Committee will be staggered. Committee appointments will be made for either a two - or three - year term. Committee members are appointed and serve at the pleasure of the Board's chairperson. At all times, the Grant Committee shall have at least two Board members.

Furthermore, members of the Grant Committee should adequately represent the geographic diversity of the Commonwealth, the varied operational capacities of Virginia primary PSAPs, and public safety professional organizations. Accordingly a nine-person Grant Committee is established consisting of the following individuals: 2 Board members (one of which will chair the committee), 4 primary PSAP representatives (two of which will represent APCO and NENA), and 3 at-large members.

Each year, in anticipation of the upcoming grant cycle, the Grant Committee will recommend the grant funding priorities for the continuity and enhancement of wireless E-911 equipment and services to the Board. Also in anticipation of the upcoming grant cycle, the Grant Committee will make recommendations to the Board regarding the creation and/or modification of previously established program guidelines, the development of any criteria for awarding grants, and the proposal of any necessary changes to the administration of the PSAP Grant Program.

Grant Cycle

The Board will accept primary PSAP grant applications each year from July 1 until October 31st. Specifics about the grant program for the upcoming funding cycle will be announced no later than July 1st each year. VITA's Public Safety Communications staff will review grant applications for completeness and accuracy and forward applications to the Grant Committee. Applications will be reviewed by the Grant Committee from November 1st until December 31st. The Grant Committee will make funding recommendations to the Board. The Board will review and approve applications no later than February 15th to coincide with local budget planning cycles. Final approval is at the discretion of the Board. Primary PSAPs will receive an electronic grant award notification by March 1st. After the primary PSAPs receive their notification, the Grant Committee will provide the Board with its recommendations for funding priorities and changes to the grant guideline for the upcoming grant cycle before the end of each fiscal year. Grant awards to the primary PSAPs will be made after July 1st. As a reminder, in order for a funding request from a primary PSAP to be considered, the PSAP must have already submitted any required true-up for the previous FY by the identified deadline, unless an exception has been granted by PSC Coordinator.

Primary PSAPs receiving funding will be required to report financial and programmatic information and data to close out their individual or regional initiative grant no later than 13 months after receiving funding. A different reporting schedule will be required for consolidation grants and will be determined by staff at the time of the grant award. Also, primary PSAPs will complete a financial report to demonstrate that they have expended grant funds by providing invoices.

Furthermore, if a primary PSAP has made a reasonable attempt to complete the project within the required time frame, but is unable to do so, an extension can be requested from the Board. Extension requests may be based on a PSAP's inability to complete the funded projects or to comply with the reporting schedule and must be submitted to the Board no later than May 1st. If the Board approves an extension request based on failure to comply with the reporting schedule, the required financial report must be completed by the primary PSAP within 30 days after the close of the subsequent fiscal year.

Failure on the part of the primary PSAP to meet grant guidelines may result in the withholding of future grant funding. The Board shall audit the grant funding received by all recipients to ensure that it was utilized in accordance with the grant requirements. If it is determined that the funding was misused, then the Commonwealth can take appropriate action to the extent permitted by law.

Regional Initiatives

Any eligible primary PSAP may act as a "host applicant" in a funding request for a regional initiative. Regional initiatives require that one eligible primary PSAP act as the "host" for the initiative. The "host" will be the fiscal agent responsible for fulfilling all grant requirements such as reports, control of and accounting for funds, and distribution and control of equipment purchased with the grant award. All jurisdictions participating in a regional initiative must be identified in the online grant application. A joint MOU must be provided by all of the participating localities.

Regional initiatives among PSAPs are encouraged. To the extent appropriate, primary PSAP applicants should address the following items in the online grant application: the relationship of the initiative to the participating PSAPs, intended collaborative efforts, the geographic area that will be served by the initiative, resource sharing, and how the initiative impacts the operational or strategic plans of the participating agencies.

Consolidation Projects

A Consolidation Project is a specialized grant type which requires additional grant funding and a longer grant period than would ordinarily be available for an individual primary PSAP request or a regional initiative. Grant funding for a PSAP consolidation project is a one-time only grant. In addition, the primary PSAPs receiving funding for a consolidation project can not apply for funding as a regional initiative during the consolidation project, and is no longer eligible for funding as an individual PSAP. The only exception for funding would be an emergency appeal made by a single primary PSAP participating in an ongoing consolidation, faced with a critical need related to maintaining current operations, and not related to the consolidation effort. This appeal would need to be made directly to the Board and would be limited to \$150,000.

Primary PSAPs interested in obtaining grant funding for a consolidation project must first satisfy two prerequisites before submitting a grant request. These prerequisites are demonstrated local commitment and feasibility. First, the localities that govern the PSAPs involved in this consolidation must sign a Statement of Intent in support of consolidation. Second, a feasibility study must be completed that provides answers to the

following questions: How would a consolidation take place and provide improved service; How should it be organized and staffed; What services should it perform; How should policies be made and changed; How should it be funded; and, What communication changes or improvements should be made in order to better support operations. This feasibility study may be completed with local funds, staff assistance, financial support from VITA, or uncommitted grant funding at the discretion of the Board.

Similar to a regional initiative, one of the primary PSAPs participating in the consolidation project must act as the “host applicant” in a funding request. The “host” will be the fiscal agent responsible for fulfilling all grant requirements such as reports, control of and accounting for funds, and distribution and control of equipment purchased with the grant award. All jurisdictions participating in a consolidation project must be identified in the online grant application. A joint MOU must be provided by all of the participating localities. And finally, if a grant award is made, a detailed scope of work must be submitted for the entire project as well as a supporting budget that includes both grant and local funding.

Statement of Need

Each funding request must include a Statement of Need that the project is attempting to address. This statement should reference the relationship to the current funding priorities established by the Grant Committee and include evidence of any financial need. Documentation of need shall be established with facts and quantifiable data. In order to address the key elements related to need, the Statement of Need section on the online grant application has a corresponding text box for the primary PSAP to address the relationship of the following items to their projects: identification of funding priorities; impact on operational services; consequences of not receiving funding; inclusion of project in a long-term or a strategic plan; likelihood of completing project without grant funding; availability of other funding source for project; percentage of grant funding request to total project costs; and, local sustainability.

Comprehensive Project Description

Primary PSAPs seeking funding for their Wireless E-911 projects must provide a thorough, concise, and complete description in the Comprehensive Project Description section on the online grant application. At a minimum, this description shall outline goals and objectives, provide an implementation strategy and work plan, list the activities to be accomplished, include a timeline, and identify the longevity or sustainability of the project. The Comprehensive Grant Description section on the online grant application has a corresponding text box for the primary PSAP to describe the items listed above.

In addition, depending on the grant project, primary PSAPs may want to provide more information such as: the interface or compatibility between existing equipment and/or software and that which you intend to purchase; the overall relationship of your project to established long-range future technologies plans; and, how the equipment purchased will support future technologies for PSAP readiness.

Budget and Budget Narrative

Each funding request must include a budget for the total amount requested. In the Budget section of the online grant application, list the planned expenditures to be made with grant funds. In lieu of a line item breakdown, an itemized cost schedule or detailed vendor prepared quote may be submitted as an attachment. Please note, that Individual PSAP or regional initiative funding may include costs, including extended warranty and maintenance costs up to five years after the implementation, upgrade, or replacement.

In addition to providing a budget, applicants shall provide a corresponding narrative in the Budget Narrative section of the online grant application that briefly explains the reason for each requested budget item and provides the basis for its cost. All items requested must be thoroughly justified and clearly related to the proposed project.

If this project will have ongoing expenses, such as monthly recurring charges, describe plans and specific sources for future/long-term funding within the Budget Narrative section. Primary PSAPs shall also demonstrate how the project will be sustained in the future without additional outside funding.

Evaluation Plan

Each proposal must include an evaluation plan that demonstrates that the equipment or services listed on the online grant application have been purchased, installed/implemented, and are performing as expected. In many cases, this can be achieved with a brief statement in the Evaluation Plan section on the online grant application. In addition, depending on the grant project, primary PSAPs may also want to identify the short-term, intermediate, and/or long-term outcomes, the measures used to determine outcomes, how data will be collected and evaluations conducted, and how data will be presented.

Review Process

The Grant Committee will evaluate all complete and eligible applications based on the substance of the application relative to the established funding tiers and priorities and make funding recommendations. As explained earlier, the funding priorities and the criteria for evaluating applications are established based on set priorities. In addition to funding priorities, the Grant Committee will evaluate applications based on what is contained in the application, the relationship to wireless E-911, whether or not funding was received in the last grant cycle, sustainability, demonstrated financial need, and criticality, as well as other criteria developed by the Grant Committee and identified in conjunction with the announcement of the grant application period.

WIRELESS E-911 CONTINUITY AND CONSOLIDATION PROGRAM

Purpose

The Board will provide funding to primary PSAPs for projects designed to replace or upgrade wireless E-911 equipment and services that are out of service, without vendor support, technically outdated, or can no longer perform at an established minimum functional standard to sustain an acceptable level of service to the public. The Board will also provide funding for primary PSAPs to utilize in consolidation projects.

Funding Allocation

Each year, this program will receive no less than 80% of the available funds in the PSAP Grant Program. However, should all approved grants for the Continuity and Consolidation Program for a specific year be fully funded, then any funds left from the 80% in that same year may be allocated for other grant programs as deemed appropriate by the Committee and/or Board.

Program Concept

Grant funds may be requested for, but are not limited to the following wireless E-911 equipment and services: customer premise equipment (CPE); mapping display systems and related GIS services; call accounting equipment; voice recorders and logging systems; integrated 911 call processing systems; and, internal network improvements that support wireless E-911 equipment and services. A Continuity and Consolidation priority list of equipment and services will be developed each funding cycle.

Goals and Objectives

Primary PSAPs that submit funding requests for projects shall include goals and objectives relevant to the purchase of equipment and/or services that support the continuity of wireless E-911 and the identified need described in the online grant application.

Implementation

Primary PSAPs shall describe in the Comprehensive Project Description section of the online grant application the goals and objectives, an implementation strategy and work plan, the activities to be accomplished, a timeline, and the longevity or sustainability of the project.

Outcomes/Evaluation

Primary PSAPs shall describe in the Evaluation Plan section of the online grant application an evaluation plan that demonstrates that the equipment or services listed on the grant application have been purchased, installed/implemented, and are performing as expected. In many cases, this can be achieved with a brief statement.

WIRELESS E-911 ENHANCEMENT PROGRAM

Purpose

The Board will provide funds to primary PSAPs for projects designed to strengthen, broaden or increase the current wireless E-911 operations through equipment, PSAP staff development, or service beyond that PSAP's current capabilities.

Funding Allocation

Each year, this program will receive the remaining percentage of the available funds in the PSAP Grant Program.

Program Concept

Grant funds may be requested, but are not limited to the following initiatives: recruitment, training, and retention of PSAP personnel; future technologies beneficial to wireless E-911; and disaster and redundancy planning and technology. An Enhancement priority list of equipment and services will be developed each funding cycle.

Goals and Objectives

Primary PSAPs that submit funding requests for projects shall include goals and objectives relevant to the purchase of equipment and/or services that support the enhancement of wireless E-911 and the identified need described in the online grant application.

Implementation

Primary PSAPs shall describe in the Comprehensive Project Description section of the online grant application the goals and objectives, an implementation strategy and work plan, the activities to be accomplished, a timeline, and the longevity or sustainability of the project.

Outcomes/Evaluation

Primary PSAPs shall describe in the Evaluation Plan section of the online grant application an evaluation plan that demonstrates that the equipment or services listed on the grant application have been purchased, installed/implemented, and are performing as expected. In many cases, this can be achieved with a brief statement.

FY 10 PSAP GRANT PROGRAM PRIORTIES

Continuity and Consolidation Priorities:

1. CPE
2. Mapping system
3. Mapping servers and workstations
4. GIS: high priority (**refer to GIS-related Grant Request Prioritization Matrix for a description of GIS projects that would have a high funding priority**)

Matrix for a description of GIS projects that would have a high funding priority)

5. Voice recorders and logging system
6. Computer-Aided Dispatch
7. Call accounting equipment
8. GIS: medium priority (**refer to GIS-related Grant Request**

Prioritization Matrix for a description of GIS projects that would have a medium funding priority)

9. Time Synchronization
10. Computer system networking improvements for items included in this program
11. Other Continuity and Consolidation items

FY 10 Enhancement Program Priorities

1. Next Generation 9-1-1
2. Recruitment of personnel
3. Training of personnel
4. Transportable back-up for PSAP primary operational items
5. Fixed back-up for primary PSAP operational items
6. Radio consoles
7. GIS: high priority (**refer to GIS-related Grant Request Prioritization Matrix for a description of GIS projects that would have a high funding priority**)
8. GIS: low priority (**refer to GIS-related Grant Request Prioritization Matrix for a description of GIS projects that would have a low funding priority**)
9. EMD/ Police Dispatch/Fire Dispatch software or protocols (not funded through another grant program)
10. Other Enhancement items

PSAP Grant Program GIS-Related Grant Request Priority Matrix

Priority	Data Production				Data Transfer	Emergency Services Mapping
	Enterprise Software / Hardware	Non-Enterprise 9-1-1 Specific GIS Tools	Data	Hardcopy Software / Hardware	Map Data Transfer to / from the PSAP	Emergency Services Mapping Software / Hardware
High	<ul style="list-style-type: none"> ESRI 9.X Supporting the Enterprise [C] ESRI 9.X PSAP Support Only [C] 	<ul style="list-style-type: none"> Maintenance Field Tools (9-1-1 Specific and Supports High Priority Data Elements) [C] Maintenance Office Tools (9-1-1 Specific and Supports High Priority Data Elements) [C] 	<ul style="list-style-type: none"> Format Conversion to ESRI [C] Data Manipulation of [C]: <ul style="list-style-type: none"> Road Centerlines (MSAG Valid) Address Building Polygons (MSAG Valid) Address Building Points (MSAG Valid) Emergency Service Zones (MSAG Valid) County / Municipal Boundaries (MSAG Valid) 		<ul style="list-style-type: none"> Real-Time [E] Automatic/On Demand [C] 	<ul style="list-style-type: none"> Dispatch Mapping (Hosted Services) [E] Dispatch Mapping (Supports Geodatabase) [C] <ul style="list-style-type: none"> Dispatch Mapping (CAD Provided) Dispatch Mapping (CPE Provided) Dispatch Mapping (Stand-alone) Dispatch Mapping to / from CAD Interfaces [C]
Medium	<ul style="list-style-type: none"> ESRI 8.X-3.X Supporting Enterprise or PSAP [C] 		<ul style="list-style-type: none"> Data Manipulation of [C]: <ul style="list-style-type: none"> Police Beats Fire Boxes EMS Boundaries Hydrography Fire Hydrants 	<ul style="list-style-type: none"> Map Books / Atlases: <u>only</u> for PSAP Use [C] Large Format Maps: <u>only</u> for PSAP Use [C] Large-scale printers/plotters: <u>primarily</u> for PSAP Use [C] 		<ul style="list-style-type: none"> Dispatch Mapping (Supports <u>only</u> Shapefile Format and <u>does not</u> Support Geodatabase Format) [C] <ul style="list-style-type: none"> Dispatch Mapping (CAD Provided) Dispatch Mapping (CPE Provided) Dispatch Mapping (Stand-alone)
Low	<ul style="list-style-type: none"> Other Platforms Supporting Enterprise or PSAP [N] 	<ul style="list-style-type: none"> Other Maintenance Tools (Non-9-1-1 Specific) [E] 	<ul style="list-style-type: none"> Data Manipulation of [E]: <ul style="list-style-type: none"> Parcels (MSAG Valid Addresses Applied) Oblique Imagery (e.g., Pictometry) Other Data Layers (MSAG valid, if applicable) Enhancing Road Centerlines for Directionality and Routing [E] Data Manipulation of [N]: <ul style="list-style-type: none"> Road Centerlines (Non-MSAG Valid) Address Building Polygons (Non-MSAG Valid) Address Building Points (Non-MSAG Valid) Emergency Service Zones (Non-MSAG Valid) County / Municipal Boundaries (Non-MSAG Valid) Parcels (Non-MSAG Valid Addresses Applied) 			<ul style="list-style-type: none"> Automatic Vehicle Location (AVL) [E] Historical/Statistical (Pin Mapping) [E] Dispatch Mapping (Non-ESRI Data Formats) [N] <ul style="list-style-type: none"> Dispatch Mapping (CAD Provided) Dispatch Mapping (CPE Provided) Dispatch Mapping (Stand-alone)
Program Code	Red = [E] = Items funded under the Enhancement Program, Blue = [C] = Items funded under the Continuity and Consolidation Program, Black = [N] = Items generally not recommended for funding					
In-Cell Priority Order	Items are listed in priority order within each cell.					
Terminology Definitions and Descriptions	<ul style="list-style-type: none"> The numbers ("X.X") following "ESRI" refers to ESRI software versions. "ESRI 9.X Supporting the Enterprise" refers to the use of ESRI 9.X versioned data production software being used to benefit not only the locality's PSAP, but other local government departments as well. "ESRI 9.X PSAP Support Only" refers to the use of ESRI 9.X versioned data production software being used only for the benefit of a locality's PSAP. "Other Platforms Supporting Enterprise or PSAP" refers to any GIS data production platform besides ESRI. 	<ul style="list-style-type: none"> "Non-Enterprise 9-1-1 Specific GIS Tools" refers to those tools that would be used as extensions of, or in conjunction with, standard ESRI software. These tools provide features and functionality that are specifically for the maintenance of 9-1-1 pertinent map data sets. "Other Maintenance Tools (Non-9-1-1 Specific)" refers to those tools that would primarily provide features and functionality for the maintenance of non-9-1-1 pertinent map data sets (e.g., utilities). 	<ul style="list-style-type: none"> "Format Conversion" refers to the conversion of one map data format to a different map data format. "MSAG Valid" refers to map data attributes and spatial relationships existing in the map data so that the map data is an accurate representation of the records contained in the 9-1-1 Database Provider's Master Street Address Guide (MSAG) (e.g., map data attributes are consistent with naming standards in the MSAG; road centerlines broken, and common nodes exist, at emergency service zone boundaries). "Data Manipulation" refers to the creation, enhancement, verification, or maintenance of map data. <ul style="list-style-type: none"> Creation = creating a map data set for the first time Verification = audit of spatial or attribute accuracy of a map data set Enhancement = applying non-existent spatial or attribute information to a map data set Maintenance = when a map data set reaches an acceptable level of spatial and attribute accuracy, the addition of features to the map data set Creation of <u>entire</u> road centerline datasets and/or orthophotography already funded as a statewide project will not be funded. Verification, enhancement, and maintenance of road centerlines is permissible. This policy does not impact the funding of oblique imagery. 		<ul style="list-style-type: none"> "Real-Time" refers to the primary data used in an emergency services mapping application having a live and continuous map data connection to the map data source; such that when map data is edited by the GIS editing entity, it can be seen immediately in the emergency services mapping application. "Automatic/On Demand" refers to an automated process by which map data is distributed from a map data source to an emergency services mapping application. 	<ul style="list-style-type: none"> All emergency services software generally recommended for funding must reside <u>within the virtual PSAP. The virtual PSAP is that physical area(s) where 9-1-1 calls are processed.</u> For example, "Dispatch Mapping" refers to the mapping application that resides in the PSAP. Likewise, "Automatic Vehicle Location" refers to that portion of the AVL system (mapping module) that resides in the PSAP, not the RF infrastructure and/or software or hardware that resides on or within the vehicle. "Dispatch Mapping (Hosted Services)" refers to the dispatch mapping application being served from some remote, off-premise, location to each telecommunicator workstation in the PSAP. "Dispatch Mapping (Supports Geodatabase)" refers to the primary data format of the application being ESRI geodatabase, whether the geodatabase format be personal, file, or enterprise. "Dispatch Mapping (Supports only Shapefile Format and not Geodatabase Format)" refers to the primary data format of the application being ESRI shapefile. "Dispatch Mapping (Non-ESRI Data Formats)" refers to the primary data format not being an ESRI data format.
Addressing / MSAG / ALI Database Verification and Validation Projects	<ul style="list-style-type: none"> Addressing projects without GIS elements do not constitute GIS projects. For example, a project to verify addressing without a GIS element is not a GIS project and the priority for such a project would not be evaluated using the GIS prioritization matrix. If, however, the addressing project involves conversion or manipulation of GIS data (most addressing projects will), the GIS prioritization matrix should be used in determining project priority. Projects involving the verification of various E-911 databases such as the MSAG and the Automatic Location Information (ALI) database without GIS elements do not constitute GIS projects. For example, a project to verify address ranges in the MSAG without a GIS element is not a GIS project and the priority for such a project would not be evaluated using the GIS prioritization matrix. If, however, the MSAG verification project involves conversion or manipulation of GIS data (most projects such as this will), the GIS prioritization matrix should be used in determining project priority. 					