

FY12

# PSAP GRANT PROGRAM APPLICATION



VIRGINIA INFORMATION  
TECHNOLOGIES AGENCY  
Integrated Services Division  
FY12



## FY12 PSAP GRANT PROGRAM APPLICATION

### HOW TO APPLY/DEADLINE

The grant application will be available and accessible from VITA's Integrated Services Program's website (<http://www.vita.virginia.gov/isp/>). Upon completion of the application, it is to be submitted to the PSAP Grant Manager, Lisa Nicholson, at [lisa.nicholson@vita.virginia.gov](mailto:lisa.nicholson@vita.virginia.gov). Any supporting documentation must also be submitted along with the application.

After submission, the PSAP Grant Manager will assign a Grant ID and send an e-mail notification to the project contact e-mail address listed on the application received.

All funding requests must be submitted using the grant application. In addition to the grant application reference manual, technical assistance is available from VITA's Public Safety Communications (PSC) staff throughout the grant process. The FY12 PSAP Grant Application Cycle deadline is December 22, 2010 at 11:59 pm.



## FY12 PSAP GRANT APPLICATION

### PROJECT TITLE

[Click here to enter text](#)

### GRANT APPLICANT PROFILE/PROJECT CONTACT

PSAP/HOST PSAP NAME: Waynesboro

CONTACT TITLE: Director

CONTACT FIRST NAME: Gary

CONTACT LAST NAME: Critzer

ADDRESS 1: 250 S.Wayne Ave

ADDRESS 2: Suite 301

CITY: Waynesboro

ZIP CODE: 22980

CONTACT EMAIL: [critzergp@ci.waynesboro.va.us](mailto:critzergp@ci.waynesboro.va.us)

CONTACT PHONE NUMBER: 540-942-6698

CONTACT MOBILE NUMBER: 540-241-2298

CONTACT FAX NUMBER: 540-942-6521

REGIONAL COORDINATOR: Stefanie McGuffin

### HOST PSAP AND PARTICIPATING PSAPS/LOCALITIES

_____	_____
_____	_____
_____	_____
_____	_____

### GRANT TYPE

Individual PSAP

Consolidation

Regional Initiative

Secondary Consolidation



## GRANT PROGRAM TYPE

- Wireless E-911 PSAP Education Program  
 Continuity and Consolidation       Enhancement

## TIER

- Out of Service       Non-Vendor Supported  
 Technically Outdated       Strengthen  
 Not Applicable

**PROJECT FOCUS** [Click to select a project focus from the drop down list](#)

**If "Other" selected, please specify:** [Click here to enter text](#)

## FINANCIAL DATA

Amount Requested: \$ 150,000.00

Total Project Cost: \$ 150,950.00

## STATEMENT OF NEED

Replace technically outdated CAD system. Existing Motorola, formerly CRISNet, NETCad CAD system is technically outdated and near end of life. While it continues to be supported it is no longer being developed or enhanced. It is not NG911 ready nor will it be. A recent regional 911 consolidation study paid for by VITA ISP, while not recommending consolidation, did recommend as a high priority to upgrade Waynesboro's CAD system to the OSSI platform, which is what Staunton and Augusta County are currently using, in order to enhance data sharing, interoperability, and redundancy. Grant opportunities are also being explored to move our PD to the OSSI RMS software for even greater regional data sharing opportunities. Local funding is limited but the project is sustainable with funding for on-going maintenance.



Describe how the grant will be maintained and supported in the future, if applicable.

Local funding for ongoing software support will be provided in the general fund budget.

### COMPREHENSIVE PROJECT DESCRIPTION

#### **FOR WIRELESS E-911 PSAP EDUCATION PROGRAM GRANT REQUESTS:**

Describe how the education/training is 9-1-1/public safety communications specific and how this will benefit E-911 and the employee(s) and/or PSAP.

[Click here to enter text](#)



**FOR CONTINUITY AND CONSOLIDATION OR ENHANCEMENT PROJECTS:**

Provide a thorough, concise, and complete description of the project, including an outline of the goals and objectives, implementation strategy, and a work plan.

Replacement of technically outdated CAD system. Increase operational effectiveness and regional data sharing. Preparation for NG911.

**FOR CONTINUITY AND CONSOLIDATION OR ENHANCEMENT PROJECTS:**

**PROJECT TIMELINE** – Select each applicable phase of the project and indicate the estimated completion date. Sample activities for each phase can be found in the PSAP Grant Program Guidelines as well as on the addendum to this form.

PROJECT PHASE	ESTIMATED COMPLETION DATE
<input type="checkbox"/> <b>INITIATION</b> (Project approved by appropriate stakeholders)	07 / 01 / 2011
<input type="checkbox"/> <b>DESIGN/PLANNING</b> (Project, system, or solution requirements are developed)	07/31/2011
<input type="checkbox"/> <b>ACQUISITION</b> (Selected system or solution is procured)	09/30/2011
<input type="checkbox"/> <b>IMPLEMENTATION</b> (Selected system or solution is configured and installed)	01/01/2012
<input type="checkbox"/> <b>TESTING/COMPLETION</b> (Selected system or solution is tested and put in production)	03/31/2012



<p>Identify the longevity or sustainability of the project.</p> <p>Ongoing hardware and software support provided by local government general fund budget.</p>
<p>Describe how this project supports the Virginia Statewide E-911 Strategic Comprehensive Plan.</p> <p>Preparation for NG911 and increased regional data sharing and redundancy</p>

**REGIONAL INITIATIVE (if applicable)**

<p>The relationship of the initiative to the participating PSAPs: Enhanced data sharing with Augusta County and Staunton PSAP's and the future ability to have a regional CAD and RMS system.</p>
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Intended collaborative efforts:

Enhanced data sharing, regional back-up and redundancy, beginning of a potential regional CAD – RMS system.

Resource sharing:

If a regional system were to develop in the future hardware and software costs could be shared as well as redundant technology.

How does the initiative impacts the operational or strategic plans of the participating agencies:

[Click here to enter text](#)

**CONSOLIDATION (Primary or Secondary) - (if applicable)**

How would a consolidation take place and provide improved service:

[Click here to enter text](#)



How should it be organized and staffed:

Click here to enter text

What services should it perform:

Click here to enter text

How should policies be made and changed:

Click here to enter text

How should it be funded:

Click here to enter text



What communication changes or improvements should be made in order to better support operations:

[Click here to enter text](#)

### **BUDGET AND BUDGET NARRATIVE**

List the planned expenditures to be made with grant funds. (NOTE: In lieu of a line item breakdown, an itemized cost schedule or detailed vendor prepared quote may be submitted as an attachment.) Briefly explain the reason for each requested budget item and provide the basis for its cost: A vendor quote is attached. Project is contingent upon grant funding.



## EVALUATION

How will the project be evaluated and measured for achievement and success:

Once operational the obvious benefits of improved technology will be evident to call takers and dispatchers by have more information readily available to them. The software will also improve interoperability between neighboring PSAP's thus enhancing data sharing and call processing.



## FINANCIAL AND PROGRAMMATIC REPORT

### PROJECT PHASES

### SAMPLE ACTIVITIES

#### PHASE

#### SAMPLE ACTIVITIES

##### INITIATION

(Project approved by appropriate stakeholders)

- Project concept is documented
- Local Board or governing authority approval or endorsement is received
- PSAP grant application is filed
- Local budgets are obtained
- Appropriated grant funds are approved
- Budgetary estimates are obtained

##### DESIGN/PLANNING

(Project, system, or solution requirements are developed)

- Requirements are documented
- Components to be purchased are identified
- General design is documented

##### ACQUISITION

(Selected system or solution is procured)

- RFP (or other bid related processes) are drafted
- Proposals are evaluated
- Contract is signed
- Purchase orders are issued
- Quotes are obtained/grant funds draw down

##### IMPLEMENTATION

(Selected system or solution is configured and installed)

- Purchased components are delivered and installed
- Training is performed

##### TESTING/COMPLETION

(Selected system or solution is tested and put in production)

- Performance of system/solution is validated
- System/solution goes "live"

# SUNGARD® PUBLIC SECTOR

## Budgetary Quote

Date	Quote #	Acct Mgr
12/23/10	MFGMQ1858	Mike Martin

Quote Prepared For:

City of Waynesboro  
 Gary Critzer  
 250 S. Wayne Ave  
 Suite 301  
 Waynesboro, Virginia 22980  
 Phone: 540-942-6698

### GRANT BUDGET FOR STAND-ALONE CAD SYSTEM

Qty	Part Number	Product Description	Unit Price	Extended Price	Annual Maintenance	
<i>Computer Aided Dispatch</i>						
1	CAD-T1	BASE COMPUTER AIDED DISPATCH SYSTEM TIER-1	\$27,300	\$27,300	\$4,914	7x24
2	CAD-CON-T1	ADDITIONAL CAD CONS.LIC.(4 Total CAD Consoles)	\$2,600	\$5,200	\$936	7x24
1	CAD-E911-T1	E911 INTERFACE MODULE	\$4,500	\$4,500	\$810	7x24
1	CAD-MAP-T1	FIRST CAD MAP DISPLAY AND MAP MAINTENANCE SOFTWARE LICENSE	\$3,500	\$3,500	\$630	7x24
3	CAD-MAPD-T1	ADDITIONAL CAD MAP DISPLAY LICENSE	\$1,000	\$3,000	\$540	7x24
1	CAD-PG-T1	ALPHA NUMERIC PAGING MODULE	\$4,500	\$4,500	\$810	7x24
1	CAD-INT-PG-T1	SUNGARD OSSI'S INTERFACE TO PAGEDATE	\$1,000	\$1,000	\$180	7x24
1	CAD-MRM-T1	CAD RESOURCE MONITOR DISPLAY LICENSE WITH MAPS	\$1,000	\$1,000	\$180	7x24
1	MCT-SWI	STATE/NCIC MESSAGING SOFTWARE	\$20,000	\$20,000	\$3,600	7x24
4	MCT-MIS	LAN CLIENT LICENSE FOR MESSAGE SWITCH	\$300	\$1,200	\$216	7x24
1	DISCOUNT	DISCOUNT	-\$21,000	-\$21,000	\$0	
				SubTotal:	\$50,200	
<i>CAD Implementation Services</i>						
1	CAD-PROJ-MGNT	CAD PROJECT MANAGEMENT	\$6,400	\$6,400	-	n/a
1	CAD-IMPL	BASE CAD SOFTWARE IMPLEMENTATION	\$18,880	\$18,880	-	n/a
1	CAD-INST	BASE CAD SOFTWARE INSTALLATION	\$6,300	\$6,300	-	n/a
1	MCT-SWI-INST	INSTALLATION OF BASE MESSAGE SWITCH	\$2,800	\$2,800	-	n/a

Qty	Part Number	Product Description	Unit Price	Extended Price	Annual Maintenance
1	MCT-SWI-IMPL	IMPLEMENTATION OF BASE MESSAGE SWITCH	\$1,400	\$1,400	- n/a
1	CAD-MAP-CONV	MAP BASED GEOFILE GENERATION	\$20,000	\$20,000	- n/a
1	CAD-MAP-EDTRN	MAP EDITOR TRAINING	\$3,600	\$3,600	- n/a
1	CAD-MNT-TRN	CAD MAINTENANCE TRAINING	\$6,400	\$6,400	- n/a
2	CAD-USR-TRN	CAD USER TRAINING	\$6,400	\$12,800	- n/a
1	CAD-PROF-ADD	ADDITIONAL PROFESSIONAL SERVICES	\$1,200	\$1,200	- n/a
1	CAD-TE	TRAVEL EXPENSES FOR CAD SERVICES	\$2,000	\$2,000	- n/a
1	CAD-LE	LIVING EXPENSES FOR CAD IMPLEMENTATION SERVICES	\$3,500	\$3,500	- n/a
			SubTotal:	\$85,280	
<b>CAD Application Server</b>					
1	HWR-SERV-APP-LVR	Base Application Server	\$4,600	\$4,600	- n/a
1	THP-MS-WIN2003STD	Windows Server 2003 R2 Standard Edition	\$548	\$548	- n/a
1	THP-MS-SQLSTDPROC	Microsoft SQL Server 2005 Standard Edition CPU License	\$4,523	\$4,523	- n/a
1	TCH-INSTALL-SERV	Implementation Services for Application Server	\$1,400	\$1,400	- n/a
			SubTotal:	\$11,071	
<b>Miscellaneous Hardware and System Software</b>					
4	HWR-MATROX-P690LPe	Matrox P690 Plus LP PCIe x16 Video Card	\$258	\$1,033	- n/a
1	THP-PAGEGATE	PageGate Network Paging Software	\$565	\$565	- n/a
<b>Miscellaneous Implementation Services</b>					
2	TCH-INSTALL-ONSITE	On-Site Installation for Application Servers	\$1,400	\$2,800	- n/a
			<b>Total:</b>	<b>\$150,950</b>	<b>\$12,816</b>

This quote is valid until 09/30/11

# SUNGARD<sup>®</sup>

## PUBLIC SECTOR

### Product Descriptions

Date	Quote #	Acct Mgr
12/23/10	MFGMQ1858	Mike Martin

Quote Prepared For:

City of Waynesboro  
 Gary Critzer  
 250 S. Wayne Ave  
 Suite 301  
 Waynesboro, Virginia 22980  
 Phone: 540-942-6698

Part Number	Product Description
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#### Computer Aided Dispatch

CAD-T1                      BASE COMPUTER AIDED DISPATCH SYSTEM TIER-1

Computer Aided Dispatch Includes:  
 Single-Jurisdictional CAD for Police, Fire, and/or EMS  
 Call Taking and Dispatching Functions  
 Tabular Geo-File Subsystem (without maps)  
 Business and Sites Subsystem  
 Unit Recommendation Subsystem  
 Premise/Alert and Hotspots Subsystems  
 Two (2) Call Taker/Dispatcher Console Licenses

CAD-CON                    ADDITIONAL CAD CONS.LIC.(4 Total CAD Consoles)

An additional license, in addition to the number of console licenses in the base CAD system, is required for each call taker and dispatch console/workstation to operate SunGard OSSI's CAD system.

CAD-E911                    E911 INTERFACE MODULE

The E911 Interface allows SunGard OSSI's CAD to communicate to the E911 controller's ANI/ALI serial port.

The Customer must provide an RS232/serial cable (with accurate pin-outs) from their E911 ANI/ALI controller's CAD port to the CAD server's serial port. The Customer must also provide SunGard OSSI with accurate ANI/ALI interface data formats from their E911 vendor that defines the data stream characters and their stop and start positions.

CAD-MAP                    FIRST CAD MAP DISPLAY AND MAP MAINTENANCE SOFTWARE LICENSE

First OASIS Map Display and Map Maintenance Software License for a CAD Workstation Includes:  
 Pin Mapping of Calls for Service Data  
 Map Editing and Maintenance software (training not included)  
 Map Display for One Workstation

This does not include any GIS data, related attribute data, ortho photography or digitizing services. Should the Customer elect to maintain their maps with OASIS, they should use this license exclusively as a map editor and not as a CAD display license. Therefore, another CAD Map Display license would be required for the first CAD workstation.

CAD-MAPD                    ADDITIONAL CAD MAP DISPLAY LICENSE

An additional license, in addition to the number of map console licenses in the base CAD system, is required for each additional call taker and dispatch console/workstation to display maps with SunGard OSSI's CAD system. Each license represents one workstation, not concurrent user.

**CAD-PG                    ALPHA NUMERIC PAGING MODULE**

The Alpha-Numeric Paging Module is designed to automatically send a alphanumeric page to responding units upon dispatch. In addition, the paging module supports the ability to send individual personalized messages to specific pagers directly from within CAD. The Paging Module requires all pagers being used to utilize the same paging service provider (Arch Paging, Verizon, etc). The provider must support the TAPI protocol.

For speed efficiency, SunGard OSSI recommends that Group paging be setup with a paging services provider that supports group paging. For example, a volunteer fire station will need to have a single group Pager Identifier Number (PIN) set up that will alert all firefighters for that specific station. Without Group paging the Paging Module would have to process each individual firefighters pager which could result in slow notification of all personnel.

The Customer is required to provide a dedicated phone line and external modem for use by the Paging Module only. The Customer is also responsible for all items such as pagers, paging service fees, installation charges, required network, etc.

For more dynamic paging solutions, SunGard OSSI offers an interface between the Alphanumeric Paging Module and NotePage's PageGate software. This interface will provide solutions that include:

- " Custom group paging
- " Combinations of multiple paging service providers
- " Support for multiple paging protocols that includes internet paging (SNPP & SMTP)
- " Modem banking

**CAD-INT-PG                SUNGARD OSSI'S INTERFACE TO PAGEGATE**

SunGard OSSI's interface to NotePage, Inc., PageGate software allows the CAD Paging Module to interface with the PageGate third party product. PageGate allows multiple paging service providers. This does not include the license fees (PageGate & ASCII Command Line interface) for the PageGate software.

**CAD-MRM                    CAD RESOURCE MONITOR DISPLAY LICENSE WITH MAPS**

CAD Resource Monitor (CRM) with maps is a limited read only version of CAD that allows the Customer to view CAD activity and various calls for service reports. CRM requires that the workstation be connected to minimally a 100 MB LAN. The quantity of one (1) means one workstation software license. To have this product with mapping functionality, base CAD maps must be operational with SunGard OSSI's CAD System.

**MCT-SWI                    STATE/NCIC MESSAGING SOFTWARE**

The Message Switch software includes a query interface from the SunGard OSSI Application to the State computer system and to the FBI/NCIC system via the state system.

The Message Switch will allow for the following functions:

- Workstation-to-Workstation messaging
- State/NCIC query interface directly from the Data Entry window
- Automatic State/NCIC query on license plates from CAD
- Responses from the State will come back to the user in the message queue

The Message Switch must run on Windows 2000 Server or higher, not a Workstation, due to Client Access License limitations of the workstation. PC Anywhere and an external modem are required on the Message Switch server. The Message Switch supports basic State/NCIC queries. All State/NCIC data entry functions must be performed with state supplied software or technology.

**MCT-MIS                    LAN CLIENT LICENSE FOR MESSAGE SWITCH**

A client license is required for each CAD, RMS or JMS workstation connected to the Customer's LAN or WAN to access SunGard OSSI's Message Switch.

The Message Switch Client provides the following functions:

- Workstation-to-workstation messaging
- Mobile-to-workstation messaging (if mobile applications are licensed)
- SunGard OSSI's standard State/NCIC queries

**DISCOUNT                DISCOUNT**

## CAD Implementation Services

## CAD-PROJ-MGNT CAD PROJECT MANAGEMENT

CAD project management includes professional services from SunGard OSSI for project coordination and project management. The project management fee also includes coordinating with the Customer's project manager all SunGard OSSI related deliveries such as application software, implementation services, and scheduling of SunGard OSSI's resources with the Customer.

## CAD-IMPL BASE CAD SOFTWARE IMPLEMENTATION

The CAD Implementation includes Quality Assurance, Audits, and Go Live Assistance.

Four (4) days of QA services to assist with the CAD implementation.

Four (4) days to review Customer's data at SunGard OSSI's office during the project. Reviews occur at 10%, 50% and 90% of completion of the Customer building their CAD support files.

Two (2) SunGard professionals (1 QA and 1 Technical Services) to be on-site for up to two (2) days when the base CAD System goes live as determined by the project plan.

## CAD-INST BASE CAD SOFTWARE INSTALLATION

The CAD installation includes the installation of SunGard OSSI's standard CAD application software on the Customer's server(s). This price includes the configuration of up to three (3) CAD workstations on the Customer's LAN for SunGard OSSI's application software. SunGard OSSI prefers the CAD server(s) to be shipped to SunGard OSSI's office in High Point, NC to provide these services.

Unless otherwise stated within the quote, the Customer will install and configure the operating system software (Windows 2000 or higher), install all 3rd party software (i.e. Veritas Open File Manager, PC Anywhere and FoxPro) on the respective file servers and workstations using SunGard OSSI's setup configuration. Customer is responsible for installation and configuration of the Local Area Network.

SunGard OSSI can provide an optional quote to provide the above listed services.

## MCT-SWI-INST INSTALLATION OF BASE MESSAGE SWITCH

Installation and setup of SunGard OSSI's Base Message Switch application software.

The Message Switch must run on Windows 2000 Server or higher.

## MCT-SWI-IMPL IMPLEMENTATION OF BASE MESSAGE SWITCH

One (1) day of technical services to configure for State Access and to conduct Maintenance Training.

## CAD-MAP-CONV MAP BASED GEOFILE GENERATION

This service includes:

" Programming and consulting services to assist the customer in generating the initial CAD Geo-File centerline in SunGard OSSI's proprietary (OASIS) format.

" Programming and consultation services to assist the customer in generating the initial polygon and general view layers in SunGard OSSI's proprietary (OASIS) format.

" Programming and consultation services to assist the customer in generating an ortho photography layer. Ortho photographs are aerial pictures that can be displayed as a mapping layer. SunGard OSSI will assemble the ortho tiles and create a reference database file that will be used by the SunGard OSSI product line. SunGard OSSI will install the ortho's on the client's CAD Server. Accepted ortho file formats are SID, TIFF, JPG and BMP. The customer is responsible for providing ortho source files to SunGard OSSI.

" SunGard OSSI will perform three (3) detailed reviews of the customer's centerline data at SunGard OSSI's office during project implementation. The objective of this review is to identify suspicious data elements in the customer's centerline that may be of issue when used with CAD. Examples include missing ranges, overlapping addresses, reversed ranges, etc. The customer is provided with a summary report and supplemental Excel reports that help identify the suspicious data. These audits are only a tool to be used by the customer and are not intended to be a substitute for customer data testing and verification. Audits occur at 10%, 50% and 90% of project completion. Additional requested audits are subject to additional professional charges.

Special Notes

" SunGard OSSI supports converting ESRI E00, ESRI Shape or MapInfo source data.

This service assumes the customer provides SunGard OSSI all required GIS layers and associated data elements (attribute data) and that SunGard OSSI is not required to provide any digitizing services. This is an estimate of the services needed, to determine the final conversion costs SunGard OSSI would need to first evaluate the customer's GIS data.

" All delays in the project caused by defects of data will be the sole responsibility of the Customer. SunGard OSSI shall not assume any liability for any and all errors associated with the converted GIS resources.

Part Number

Product Description

- " The customer is responsible to correct all errors and ensuring the accuracy of all GIS provided data.
- " The customer is responsible to digitize all required map layers to support the public safety GIS-based CAD and RMS subsystems.
- " The customer is responsible for the validation of all map line work, attribute information and related data as well as providing resources to field verify all of the GIS data.

NOTICE OF SUNGARD OSSI'S DEPENDENCY ON CUSTOMER'S GIS DEPARTMENT:

SunGard OSSI's ability to provide conversion services relating to Geographic Information System (GIS), maps or geographic analysis, etc. is contingent on the Customer providing SunGard OSSI with the resources and data defined in SunGard OSSI's CAD Map Resource Guide that is incorporated into this agreement as an Exhibit.

The Customer shall provide SunGard OSSI with a centerline file that contains the following: Block ranges (address ranges are required)

- Street names
- Street prefixes
- Street suffixes
- Jurisdiction/City Code
- X/Y Coordinate Pairs for each street segment (referred to as ARCS by ARCINFO)

The Customer is responsible for the accuracy of the street inventory and for the accuracy of all attribute data associated with street segments. Examples of such accuracy include:

- Missing streets
- Missing street segments
- Missing intersections
- Errors in street names, street prefixes, street type, etc.

CAD-MAP-EDTRN MAP EDITOR TRAINING

SunGard OSSI will provide up to three (3) days of training at SunGard OSSI's office in High Point, NC. The training will include the updating and maintenance of the Customer GIS data, creation of polygons and map editor. The Customer is responsible for travel and living expenses for their personnel to attend this training. This training is for customers who will be using SunGard OSSI's Map Editor as the primary application for maintaining maps.

CAD-MNT-TRN CAD MAINTENANCE TRAINING

Training for key personnel and system administrators (4-6 people max.) responsible for system configuration (including setting codes to reflect agency business practices) and maintenance. Class duration = 4 days.

SunGard recommends scheduling this training at company headquarters in High Point, NC. If Customer requests on-site training, the Customer is responsible for setting up a suitable training environment following guidelines provided by SunGard.

CAD-USR-TRN CAD USER TRAINING

Training for end-users (10 people max.) on base CAD. Topics include navigation, call-processing, dispatching, searching, and reporting. Class duration = 4 days.

CAD-PROF-ADD ADDITIONAL PROFESSIONAL SERVICES

Services provided by SunGard OSSI product or training specialists. Services may include but are not limited to add-on module training, refresher training, system analysis, or consulting

CAD-TE TRAVEL EXPENSES FOR CAD SERVICES

Estimated Travel and Living expenses.

Living expenses are budgeted for one travel day per trip and each day on site.

The listed travel and living expense costs are a budget quote based on an estimate of the number of trips and the total number of days of on-site professional services that SunGard Public Sector provides. The Customer will be billed only for the actual cost of travel and living expenses per the terms of the contract.

Changes or modifications to the project would be appropriately reflected in the travel and living.

CAD-LE LIVING EXPENSES FOR CAD IMPLEMENTATION SERVICES

Estimated Travel and Living expenses.

Living expenses are budgeted for one travel day per trip and each day on site.

**Part Number****Product Description**

The listed travel and living expense costs are a budget quote based on an estimate of the number of trips and the total number of days of on-site professional services that SunGard Public Sector provides. The Customer will be billed only for the actual cost of travel and living expenses per the terms of the contract.

Changes or modifications to the project would be appropriately reflected in the travel and living.

### CAD Application Server

**HWR-SERV-APP-LVR Base Application Server**

- Dell PowerEdge 2950 III (Rack Design)
- (1) Intel® Quad Core Xeon® 2.33GHz CPU w/4MB Cache
  - 4GB 667MHz (4x1GB), Dual Ranked DIMMs, Energy Smart
  - PERC6i SAS RAID Controller
  - 1x8 Backplane for 2.5-inch Hard Drives
  - (2) 73GB 10K RPM SAS Hard Drives (RAID 1)
  - (4) 146GB 10K RPM SAS Hard Drives (RAID 5)
  - Dual On-Board NICs
  - Redundant Power Supply With Y-CORD and Straight Cords
  - 24X IDE CD-RW/DVD ROM Drive
  - Rapid Rails
  - Rack Bezel
  - 3 Year ProSupport for IT 4HR 7x24 Onsite: Non Mission Critical

**THP-MS-WIN2003STD Windows Server 2003 R2 Standard Edition**

Microsoft Windows Server 2003 R2 Standard Edition server license. Includes free upgrade to Windows Server 2008.

**THP-MS-SQLSTDPROC Microsoft SQL Server 2005 Standard Edition CPU License**

Microsoft's SQL Server 2005 Standard Edition CPU license for unlimited SQL connections on one CPU. Dual Processor servers will need two processor licenses.

**TCH-INSTALL-SERV Implementation Services for Application Server**

- SunGard's OSSI Implementation Services include:
- Server Hardware Configuration and initialization
  - Installation and configuration of Windows Operating System
  - Installation and configuration of Microsoft SQL Server database software
  - Hardware Ownership Transfer

All Application Servers referenced in this Agreement shall be shipped to SunGard's offices in High Point, NC. SunGard will install and configure all software on the Application Server per the contract agreement. The server will then be shipped to the Customer's site for final implementation per the contract.

### Miscellaneous Hardware and System Software

**HWR-MATROX-P690LP Matrox P690 Plus LP PCIe x16 Video Card**

Matrox P690 Plus LP PCIe x16 Video Card with 256MB of graphics memory to be used for CAD Workstations with 2 digital or 3-4 analog monitors\*. This card requires an available PCI Express expansion slot. Compatible with both Low Profile and Full Height configurations.

\* A 3-4 analog monitor configuration requires the optional Quad-Monitor upgrade cable (PN: CAB-L60-4XAF)

**THP-PAGEGATE PageGate Network Paging Software**

PageGate Software is a third party product provided by NotePage, Inc., that allows for multiple paging service providers to be used with SunGard's OSSI CAD Paging Module. This package includes a 5,000 users license and the command Line ASCII Front End.

- The Customer is responsible for the following:
- Providing a Com Port with modem and a dedicated phone line
  - Paging providers must support TAPI protocol
  - Obtain paging service from one or more providers
  - Obtain the access numbers for sending alpha pages to the different paging providers
  - Verifying TAPI protocol support from all page providers
  - Build and configure all pagers inside of PageGate

Part Number

Product Description

- Build and configure pagers with units in CAD
- Consideration to group paging should be considered to reduce paging time

SunGard is not responsible for the warranty or maintenance of this product. The manufacture's warranty applies.

Miscellaneous Implementation Services

TCH-INSTALL-ONSITE On-Site Installation for Application Servers

The SunGard Onsite Implementation Services include:

- Final OSSI software application configurations
- Final third party application configurations
- Configuration of hardware on the customers network and domain
- SA Review and training to cover all hardware and software configurations.

This Agreement is based on the assumption that a Windows 2000 or higher Domain is already in place and functional. If this is not the case, the Customer is required to provide all necessary equipment and services for such implementation.

All implementation services are billed on a daily basis. If SunGard provides less than a day of service, it will be billed at the full daily rate. Services do not include Travel and Living.