

Requisition

Req # 00125447

PO #

Date: 01/18/08

Regular
~~00000~~ 7110
2/6/08

Bill To: x
x

Vendor : 327913
 CALENCE LLC
 1560 WEST FOUNTAINHEAD PARKWAY
 2ND FLOOR
 TEMPE AZ 85282
 FAX (480)212-7400

Ship To: INFORMATION TECHNOLOGY DEPARTMENT
 100 N. CLOSNER, 1ST FL
 EDINBURG TX 78539

Contact: EDNA KIRBY
 956-292-7010

Contract No: DIR-SDD-236

Special Instructions:

QUANTITY	UOM	DESCRIPTION	UNIT PRICE	AMOUNT
		COUNTY WIDE - SHERIFF'S OFFICE DO NOT DUPLICATE ORDER		
1	EACH	2811 w/AC PWR, 2FE, 4HWICs, 2PV DMs, 1NME, 2AIMS, IP BASE, 64F/256D	1,397.20	1,397.20
1	EACH	256 to 768MB DDR DRAM factory upgrade for the Cisco 2811	1,960.00	1,960.00
1	EACH	2-Port RJ-48 Multiflex Trunk -T1	1,120.00	1,120.00
1	EACH	Maximum Compact and USB Flash	476.00	476.00
1	EACH	SMARTNET 8X5XNBD 2811 w/AC PWR, 2FE, 4HWI	336.00	336.00
		Account No _____	<u>Encumbrance</u>	
		8-1100-415-00-200-002-0-665	812.00	
		8-1100-415-00-200-002-0-745	4,477.20	
			Freight	.00
			Total	5,289.20
		REPORT ROAD HAZARDS 1-866-HCR-SAFE OR 1-866-427-7233		
Texas Law Enforcement Telecommunication System for Criminal history reports and for warrant and date entry.				

Authorized By: _____

CALENCE

1660 West Fountainhead Parkway
 2nd Floor
 Tempe, AZ 85282

Account Manager: Berger, Diana
 Phone: (956) 681-5581
 Client Advocate: Fain, Timothy
 Phone: (512) 691-2026
 Fax: (512) 691-9480



Texas Department of Information Resources Quotation

Quote Number: Q-054111-1
 Date: 1/8/2008
 Shipping Terms: FOB - O
 Payment Terms: Net 30 days
 Quote Valid Thru: 2/8/2008

DIR Agreement #: DIR-SDD-238
 County of Hidalgo
 Information Technology Department
 100 N. Clossner, 1st Floor
 Edinburg, TX 78539

REQ. 125447

Part Number	Description	Qty	List price	Disc.	Trade In	Unit price	Ext Price
CISCO2811	2811 w/ AC PWR,2FE,4HWICs,2PV DMs,1NME,2AIMS,IP BASE,84F/256D	1	\$ 2,495.00	44.00 %		\$ 1,397.20	\$ 1,397.20
MEM2811-256U766D	256 to 768MB DDR DRAM factory upgrade for the Cisco 2811	1	\$ 3,500.00	44.00 %		\$ 1,960.00	\$ 1,960.00
MAX-28/38-FLASH-5N	Maximum Compact and USB Flash	1	\$ 850.00	44.00 %		\$ 476.00	\$ 476.00
WWIC-2MFT-T1	2-Port RJ-48 Multiflex Trunk - T1	1	\$ 2,000.00	44.00 %		\$ 1,120.00	\$ 1,120.00
CAB-AC	Power Cord,110V	1	\$ 0.00	44.00 %		\$	\$ 0.00
S28NIPB-12403	Cisco 2800 IP BASE W/O CRYPTO	1	\$ 0.00	44.00 %		\$	\$ 0.00
MEM2800-54U255CF	54 to 256 MB CF Factory Upgrade for Cisco 2800 Series	1	\$ 0.00	44.00 %		\$	\$ 0.00
MEMUSB-256FT	256MB USB Flash Token for Cisco 1800/2800/3800 series	1	\$ 0.00	44.00 %		\$	\$ 0.00
PWR-2811-AC	CISCO 2811 AC POWER SUPPLY	1	\$ 0.00	44.00 %		\$	\$ 0.00
ROUTER-SDM	DEVICE MANAGER FOR ROUTERS	1	\$ 0.00	44.00 %		\$	\$ 0.00

745
 665
 745

125447, TLETS

Edna: As per your request, I am hereby providing you with the Object Codes for classification of the items indicated above.
 Sincerely, [Signature] 1-18-08

Reg 125447

CALENCE

1560 West Fountainhead Parkway
2nd Floor
Tempe, AZ 85282



Texas Department of Information Resources
Quotation

Account Manager: Berger, Diana
Phone: (866) 661-5561
Client Advocate: Fain, Timothy
Phone: (512) 801-2028
Fax: (512) 801-9480

Quote Number: Q-054111-1
Date: 1/3/2008
Shipping Terms: FOB - O
Payment Terms: Net 30 days
Quote Valid Thru: 2/8/2008

DIR Agreement #: DIR-SDD-236
County of Hidalgo
Information Technology Department
100 N. Ciesner, 1st Floor
Edinburg, TX 78539

Part Number	Description	Qty	List price	Disc.	Trade in	Unit price	Ext Price
CON-SNT-2811	SMARTNET 8X5XNBD 2811 w/ AC PWR,2FE,4HW1	1	\$ 420.00	20.00 %		\$ 336.00	\$ 336.00

665

* Please contact your Account Manager for financing options.

PLEASE NOTE: THE TERMS AND CONDITIONS ON THE LAST PAGE ARE ALSO A PART HERE-OF, INCLUDING SELLER'S LIMITED WARRANTY AND LIMITATIONS LIABILITIES.

Total Hardware	\$	4,953.20
Total Maintenance	\$	336.00
Estimated Tax	\$	0.00
Estimated Freight	\$	0.00
Quote Total	\$	5,289.20

Quote Number: Q-054111-1

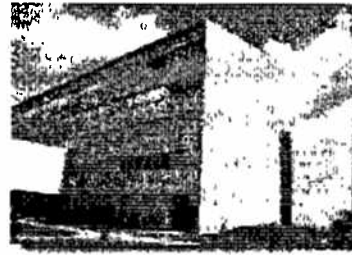
Proprietary and confidential. For use only by addressee.

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County of Hidalgo

Information Technology Department
100 N. Closner Blvd.
Edinburg, TX 78539
956-292-7010
www.co.hidalgo.tx.us

Texas



Date:	1/28/08
Time:	
To:	Attn: Maty
Fax #:	(956) 292-7612
Company:	Purchasing
Total Pages:	3
From:	Edna Kirby
Fax:	(956) 318-2699
Regarding:	CALENCE/ Req.# 125447
Comments: If you have any questions please call me at (956) 292-7010 Ext. 6017	
e-mail address	edna.kirby@co.hidalgo.tx.us

The Migration Process

Once an agency has successfully passed the Security Review Process, TxDPS will begin the process of moving an agency onto the new system. TxDPS recognizes that we must work together and exchange information in order for the transition to be as smooth as possible. This document provides the TLETS member agency with most of the information needed before embarking on the transition. Depending on the size and complexity of the agency, the transition may involve one or more individuals at each agency. The details of the process will likely vary for each agency depending on their configurations and internal structure. The process is current as of this writing and will likely be improved over the course of the migration.

An initial contact call will be placed to the known TLETS primary contact as soon as possible following the Security Review approval. The results of the initial contact will be:

1. The identification of the primary contact for the conversion effort.
2. The identification of a contact person who will provide the TLETS operator information to TxDPS. More information on the collection of Operator information is found under the section entitled **TLETS Operators**.
3. The identification of the technical person who will be responsible for configuring your system to communicate with TxDPS.
4. A scheduled time for completing the TxDPS survey which is described later in this document.

Following the initial call, TxDPS will provide by e-mail a list of operators to the contact person, a Terminal Connection Report containing the current configuration at your agency, and a link to a website containing pertinent information on the TLETS Re-Engineering Project.

The document refers frequently to the TLETS web site which is found on the Internet at:

http://www.txdps.state.tx.us/director_staff/information_management/tlets/reeng/reengindex.htm.

*At the security screen, enter username: **tlets** and the case sensitive password: **#5Et3a**.*

Note that while the Security Review Process is a prerequisite to the conversion onto the new system, the information supplied in that process is only available to the TLETS Re-Engineering team on a “need-to-know” basis. A converting agency may find that some of the information provided to TxDPS is re-requested during the conversion process.

Connectivity

In most cases, TxDPS will continue to provide connectivity to the agency using the same method that is currently provided. The activities required to connect each agency to the IP network will vary significantly; this is largely dependent on the number of TLETS devices a member agency has. In the new system, a device is equivalent to equipment that is assigned a mnemonic in the current system. **Direct connect printers will not be used across the satellite network.** Printing will be accomplished using a windows defined printer.

Agencies that connect across the TxDPS Satellite network will be provided a 10.x.x.x subnet. Because of the variation in the configuration at the site, TxDPS has attempted to categorize the configurations based on devices.

Small Site

The small site refers to an agency on satellite having only a single terminal or workstation. They will need a computer that meets or exceeds the specifications provided below and a standard T568b-T568a Cat5 crossover cable to connect the workstation to the satellite transceiver.

Medium to Large Satellite Site

The medium to large satellite sites will have more than one device and will connect to TxDPS across the satellite network. The agency will provide the computer equipment for all the devices as well as necessary networking equipment. If the agency can support the subnet provided without using Network Address Translation (NAT), then the agency need only supply a full-duplex switch having enough ports for all the devices needing connectivity. Agencies may utilize a second Network Interface Card (NIC) and configure it for connectivity with TxDPS. If this approach will be used, the agency should include that information in the Security Review Packet. If the agency will be connecting from an IP network and cannot use the TxDPS assigned IP addresses, they will need to use Network Address Translation (NAT). In this situation, the agency will need to incorporate a standard TCP/IP router with console access to configure NAT. The TLETS member agency is responsible for configuration of all networking equipment at their site.

Large Terrestrial Sites

Agencies connecting to TxDPS on a terrestrial circuit will be provided a Frame Relay circuit for connectivity into TxDPS. **The TLETS member agency will be responsible for networking equipment compatible with the TLETS network.** Connectivity will be achieved using a router which supports Cisco Advanced IP Services. TxDPS will act as the Certificate Authority for the Encryption Keys and can provide a template for the router configuration. As soon as the Security Review Packet is delivered to TxDPS, the agency should contact the TLETS Order Center to begin the plan for migration. TxDPS will need to work very closely with these sites during their movement onto the new system.

Workstations and Printers

TxDPS has procured a Java Application referred to as “workstation” software to replace the 3270 screens in the legacy SNA environment. “Workstation” is associated to TLETS devices that are not behind an interface system. This application will be provided at no cost to TLETS member agencies. The recommended computer specifications are below.

- CPU/Type/Speed: 2 GHz
- Memory: 512 MB
- Display Resolution: 1024 x 768
- Disk Space Available: 300 MB
- Operating System: Windows XP SP2 or 2000 SP4
- Interface: TCP/IP Network Interface Card (NIC)

The software will operate on systems having the below minimum specifications, however, the performance may not be sufficient:

- CPU Type/Speed Pentium 600mhz and above
- Memory 256 MB
- Display Resolution 1024 x 768
- Disk Space 50 MB
- Operating System: Windows XP SP2 or 2000 SP4

TxDPS is aware that computer systems currently being purchased are most often delivered with Windows Vista. There is no reason to believe that the system will not operate sufficiently on that platform, however, our vendor has not approved the software for operating on Windows Vista at this time. Additionally, TxDPS personnel do not have experience with this platform, so assistance in navigating through that operating environment will not be available.

The software will be installed from a CD which will be mailed to the agency following the initial contact call. TxDPS has detailed installation instructions which must be followed precisely. The agency will be required to install the software on each computer that will use the “workstation”.

Printing from within the application will be accomplished using a Windows defined printer. Printing can be accomplished in a variety of ways:

- The operator may redirect all messages received to a printer. *This is equivalent to using F4 in the current 3270 environment, except the printer will not be assigned a mnemonic.*
- The operator may select individual messages or groups of messages sent or received for printing. In this mode, the printer is not assigned a mnemonic. Messages are directed to the workstation and the TLETS operator is in control of what is and is not printed. *This is somewhat similar to using F10 in the legacy environment.*
- The operator may set the workstation software for unattended printing. Setting the workstation to this mode will log the operator out of the workstation and will log the printer onto the message switch. The workstation would remain powered up and logged in and the printer would need to be available. An agency requiring a TLETS printer for broadcast messages only would use this methodology. This would require the existence of a PC having a windows printer attached; the PC could not be used for access to TLETS.

Interface Systems

Many TLETS member agencies use CAD, RMS, or mobile systems at their site. TxDPS refers to such systems as Interface Systems. In the legacy system, these systems exchange information with TxDPS using SNA/SDLC. In the new system, these systems will exchange information using a TCP/IP socket protocol called DMPP-2020. Agencies connecting to TxDPS will be required to use AES-256 encryption for exchanging the data with TxDPS.

TxDPS will require the agency to modify their systems to exchange data using the new protocol. This may or may not involve the use of a vendor. TxDPS recognizes that some of these interface systems no longer have support available. Agencies must plan for this situation because TxDPS cannot allow continued exchange of

CJIS information using SNA/SDLC. Agencies are required to incorporate the new data exchange methods in their systems.

TxDPS has provided a test site at TxDPS headquarters in Austin to facilitate TLETS member agencies' vendors to test their software across the TxDPS satellite network. Numerous vendors have used the test area to verify that their systems are ready for the new system. TxDPS does not require the testing, however it is highly recommended. Information regarding the test area can be found on the TLETS Re-Engineering web site under the link "Rules for Interface Testing."

Specifications for data exchange are also on the web site under the following links:

- DMPP-2020 Interface Specification
- DMPP-2020 Technical Guide
- DSEO-2020 Technical Specification
- OFML Interface Specification
- DMPP-2020 Abbreviated Guide
- Encryption Example

TLETS Operators

The new TLETS system requires UserIDs for every operator submitting transactions through the TLETS system. The system is designed so that the credentials are validated and includes a secondary check on the training record to verify that the operator has received the required NCIC training.

Following the initial contact call, TxDPS will provide the migrating agency a spreadsheet containing operators that TxDPS believes are associated with the TLETS member agency. The Agency contact will be required to review the list of operators and identify additions, deletions, and corrections on the spreadsheet. TxDPS will provide detailed instructions and requests that those instructions be followed closely to facilitate the migration effort.

After the spreadsheet is returned to TxDPS, TxDPS will assign Authorization Levels (Certifications) and expiration dates based on training record(s) on file. Questions related to the Certification or expiration date should be directed to the Crime Records Service, TCIC Training at 512-424-2832 or by email tcic.training@txdps.state.tx.us.

TxDPS will allow operators who have not received TCIC classroom training or who have failed to take the re-test in the allotted time to perform transactions for a period of six (6) months in a probationary status. This should provide the agency adequate time to ensure that operators have received the required training.

Telephone Survey

Once a member agency is eligible to move onto the new system, TxDPS and the agency will participate in an information gathering session by phone. The call may require multiple persons from both parties in order to exchange the information necessary for the migration. During the telephone survey, your current configuration will be reviewed to ascertain your needs on the new system. Devices, group broadcast codes, ORIS used or supported by your agency, addresses, and contacts will be reviewed so that TxDPS may accurately update their records. Questions regarding the operator list will be addressed during this call.

Evaluation of Devices

TxDPS will review the current number of devices with the agency and identify any devices that may no longer be necessary at the agency. TxDPS will look at the number of transactions that have been run on each device for the last 6-8 months. Devices that are unused will be eliminated from the configuration. During the first phase of the migration, the number of devices operating the individual workstation software may be limited.

If the agency has requested additional devices in the Security Review Process, TxDPS will make every effort to accommodate that request.

The agency will need to notify TxDPS with any ORIs that the agency may use to support other agencies as well as the level of authority and the devices that use those ORIs.

Hours of Operation for non-24 hour Agencies

Terminal agencies open less than 24 hours may identify the mnemonic of the agency it wishes to receive its messages during the off-hours. You should provide a verification that the recipient agency agrees to receive your off-hour messages. TxDPS will configure the system to automatically re-route traffic during the hours that the agency is closed. The agency will no longer have the ability to change routing themselves.

Radius broadcast

The new system provides the capability for agencies to send a message to agencies within a specified distance from a central point. Most agencies that already receive broadcast messages have already been configured with this capability. During the telephone survey, TxDPS will determine the device(s) which will receive such broadcasts.

Scheduled date

The determination for the best date for the conversion will be agreed upon. It is important to schedule a date so that all parties have a target to move towards. TxDPS recognizes that extenuating circumstances do arise and that the scheduled date may need to be adjusted. If the date needs to be adjusted, please notify the TLETS Order Center as soon as possible.

Preparation for Migration

TxDPS will prepare the configurations for new devices in advance and configure the PES for transmission of Internet Protocol. The TCP/IP subnet will be identified to the agency; each workstation will be assigned a unique IP address. This will allow the TLETS member Agency to prepare their network for the connection. If the agency has multiple devices, advanced preparation of the equipment in the TLETS member agency makes

the conversion process much smoother. Single station agencies that connect to the PES without intervening network equipment will require the use of a standard Ethernet crossover cable to connect their PC to the PES. Information necessary for the configurations is found on the web site under the following link:

- Single Workstation Setup and/or Multiple Device Connectivity Guide (depending on the agency's configuration.)

If the agency is using the TxDPS workstation software, the software can be installed on the workstation only after connectivity with the TxDPS network is established.

- Workstation CD Install (TxDPS will provide software; do not attempt to install until you have a working and active connection to the Omnixx server.)

The Workstation software will not be usable until you contact TxDPS.

TLETS Network Operations (1-800-638-5387) can assist with some problems encountered during the workstation installation as well as the verification of the connectivity with the TxDPS TLETS. TxDPS cannot assist with equipment configurations. The equipment at the agency is the agency's responsibility.

Migration

TxDPS recognizes that agencies having complex configurations may take more than one day to complete. TxDPS will allow the agency to operate on both SNA and TCP/IP for no longer than two weeks. The agency must coordinate with any third parties to ensure that the transition of the entire agency can be achieved in a short time frame.

Additional Information

- It is recommended you print out all necessary documentation before attempting connectivity.
- Read the instructions CAREFULLY.
- Prepare your agency's equipment prior to the scheduled date. The software can be installed ahead of time, but it cannot be installed unless your equipment is successfully connected to the TLETS network.

The following documents are useful for the operators using the new Java Application:

- Omnixx Force Training Manual
- Omnixx Force Shortcut Keys
- Quick Start Guide

Help Desk

If any questions arise during or after the installation, call Network Operations at 1-800-638-5387 or TLETS Order Center, tlets_order_center@txdps.state.tx.us, 512-424-2256.



Multiple Device Connectivity Guide

Intended Audience: TLETS member agencies that have more than one terminal and/or servers

Reason for Guide: The satellite transceiver (Personal Earth Station or PES) has a single Ethernet port that provides the physical connection between the agency and the TLETS network. Agencies having more than one device interconnecting with TLETS will need to independently design their network to exchange data with TLETS. This document should provide most of the information necessary to achieve that connection when a local agency has multiple devices to TLETS. The configuration of equipment necessary to connect with TLETS will vary widely depending on the complexity of the network establishing connectivity with TLETS. Agencies having multiple devices connected into TLETS will be responsible for configuring any network equipment for connectivity to the TLETS system.

Scenario 1: The simplest network that may exchange data with TLETS will not interconnect with any other networks including the Public Internet. Normally for this type of setup, the agency will provide an Ethernet switch with enough ports and cabling to connect the devices to the Personal Earth Station. The agency will make a physical connection using Ethernet cables and then follow the single workstation install instructions for each individual workstation on the TLETS system. This information may be obtained from the TLETS website identified in the subsection, “Additional Information”

Scenario 2: More complex networks will require configuration of network appliances and may include route statements, firewall rule sets, Network Address Translation (NAT) and possibly other configurations depending on the network. TxDPS will assign the local agency a range of IP addresses (a subnet) and each device at the agency will be assigned a static IP address. TxDPS will provide the agency with a Terminal Connection Report (TCR). The TCR is the replacement for the TDA sheet that TxDPS has provided to the agency in the past. The heading of the TCR will provide the Agency with an address labeled “Gateway” as well as the subnet mask. The gateway address combined with the subnet mask will identify the subnet (range of IP addresses) that can be used behind the PES. The Gateway address is the IP address that TxDPS has assigned to the PES unit and is reserved for that purpose. TxDPS will “skip” the subsequent address and then assign each of the devices assigned to the agency an address within the subnet. The agency will use the “skipped” address as an “inside” address they can use for their network equipment.

Prerequisites:

DNS If the agency has a DNS server, an entry should be made to resolve the name DPSTLETS to the address 170.193.46.67. If the agency does not have DNS, then the agency will need to modify the hosts file on each workstation and/or interface server for this resolution.

Firewall If the agency has the TxDPS supplied workstation software installed, the following ports must be opened to the firewall:

170.193.47.9 : 6600	Workstation software to message switch
170.193.46.67 : 80	Login page which is encrypted using AES

Java TXDPS will provide a CD to install the software. Administrator privileges are required to install the software. After the initial install all operators will need full control over the following directories on their system while using the workstation software (the directories will be created at install time).

TLETS (C:\TLETS)

Java (C:\Program Files\java\re1.5.0_xx) (xx is the update number)

Java Web Start (C:\program files\Java Web Start\)

When installing from the CD, if the JAVA directory already exists, an error will occur. If this happens, then you will need to go to add/remove programs and uninstall version 5 only. Then you may need to physically remove the following directory: C:\Program Files\java\re1.5.0_05.

Interface Agencies:

If the agency has an interface installed, the following port must be opened to the firewall:
170.193.47.9 : 6800

A production codebook will be provided separately for interfaces to use the application layer AES encryption.

Mobile data systems are not allowed to request or receive CHRI data. If a single server system will support both a CAD and Mobile system, the system must be able to transmit messages from the Mobile system using one mnemonic and transmit from the other system using a different mnemonic. In other words two mnemonics would be associated with a single server. Authority would be limited to the mobile system so that CHRI data may not be requested.

Interface systems are required to submit the DPS issued UserIDs in the stream of data. If the agency wishes to use local user IDs in lieu of the TxDPS issued user ID, it is permissible to map the Local UserID to the TxDPS-issued UserID as long as the submitted UserID is the actual operator of the device. TxDPS will be validating User Certifications to insure that the operator has been trained and assigning authorities associated with that training to the TxDPS user id. In the event that the local system is set up with UserIDs other than those issued by TxDPS and your agency wants to continue to use those UserIDs and not the TxDPS user IDs, the interface will need to be capable of translating the "local" user ID to the TxDPS issued user ID. This would be most easily accomplished by adding a table for the conversion so that as operators come and go, the table can be easily maintained by the local agency.

Additional Information:

Other helpful information can be found on the Re-Engineering link at the following website:

http://www.txdps.state.tx.us/director_staff/information_management/tlets/tletsindex.htm
The username is tlets and the case sensitive password is #5Et3a

It is highly recommended that the following documents, located on this web-site, be printed prior to beginning the installation of the software.

“Workstation CD Install”
“Omnixx Force Training Manual”
“Omnixx Force Shortcut Keys”

All operators must have full control over the following directories and subdirectories beneath those directories:

C:\TLETS
C:\Program Files\Java Web Start
C:\Program Files\Java

These directories will be present on their system following the install.