



Form GSOP I-PIN (04/98)

STATE OF CALIFORNIA  
Department of General Services - Office of Procurement  
**PURCHASE ORDER**

<b>Purchase Order No.</b>	<b>Rev.</b>	<b>Date</b>
62180		6/30/2008

<b>Supplier No.</b>	<b>Solicitation No.</b>	<b>Delivery Date</b>	<b>FOB Point</b>	<b>Invoice Terms</b>
811737	57050	90 Days ARO	Destination	0% / 30 DAYS

TALLEY COMMUNICATIONS CORP. 12976 SANDOVAL STREET SANTA FE SPRING, CA 90670 Attn: LARRY FEIGE  Phone: 562-906-8000	<b>S</b> DEPT.OF TRANSPORTATION <b>h</b> RADIO COMMUNICATIONS DIV <b>T</b> 1881 ALHAMBRA BLVD. <b>i</b> SACRAMENTO, CA 95816 <b>o</b> <b>P</b> Attn: BOB NITSCHKE(916)657-3968	<b>C</b> DEPT. OF TRANSPORTATION <b>h</b> RADIO COMM DIVISION MS 77 <b>a</b> 1120 N ST <b>T</b> SACRAMENTO CA 95814 <b>r</b> <b>o</b> <b>g</b> <b>e</b>		
	<b>Agency Billing</b>	<b>Agency Purchase Estimate</b>	<b>Purchase Estimate</b>	<b>Revision</b>
	60049	22-0431KM	66995	6
<b>Agency Contact</b>		<b>Phone</b>	<b>Date Received</b>	
KATIE MCCLAIN		916-227-5668		

Item No.	Quantity	Unit	Commodity Code	Description	Unit Price	Extension
<p>This purchase order is being awarded on SEPTEMBER 23, 2008 pursuant to Government Code Section 13332.17. Any encumbrances made pursuant to this purchase order shall be construed to have been made on the last day of the preceding fiscal year.</p> <p>The general provisions for Non-IT commodities are hereby incorporated by reference. These General Provisions can be obtained by phoning (916) 375-4400 or by accessing our website at:</p> <p><a href="http://www.documents.dgs.ca.gov/pd/modellang/GPnonIT0407.pdf">www.documents.dgs.ca.gov/pd/modellang/GPnonIT0407.pdf</a></p> <p>THE FOLLOWING INFORMATION IS PROVIDED FOR AGENCY USE ONLY:</p> <p>Prime Contractor: NS</p>						
500	EA		5820-000-0043-8	CONSOLE REMOTE CONTROL MULTI-LINE COMPONENT Desktop Multiline Console in accordance with State Specification RC-031 Rev. A dated August 2008.  Brand: <u>GAI-TRONICS</u> Model: <u>GIG08024</u>	725.5000	362,750.00
550	EA		5820-000-0032-3	MANUAL SERVICE (FOR USE WITH COMMUNICATION GROUP) Service/Installation manual in accordance with TD 927, Service Manual Requirements.	40.2500	22,137.50
500	EA		5820-000-0031-1	MANUAL OPERATOR (FOR USE WITH COMMUNICATION GROUP) Operator Manual.	0.0000	0.00
1	EA		5820-000-0034-7	PROGRAMMING SOFTWARE (FOR USE WITH COMMUNICATION GROUP) Programming software in accordance with State Specification.	0.0000	0.00

Sales and/or use tax to be extra unless noted above

Buyer  SHANNON KELLER	Phone 916-375-4606	BOC Number
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STATE OF CALIFORNIA

Department of General Services - Office of Procurement

**PURCHASE ORDER CONTINUATION**

Form GSOP 2-PIN (04/98)

<i>Purchase Order No.</i> <b>62180</b>	<i>Revision</i>	<i>Date</i> 6/30/2008	<i>Supplier No.</i> 811737	<i>Supplier Name</i> TALLEY COMMUNICATIONS CORP.
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<i>Item No.</i>	<i>Quantity</i>	<i>Unit</i>	<i>Commodity Code</i>	<i>Description</i>	<i>Unit Price</i>	<i>Extension</i>
140	EA	5820-000-0033-5		PROGRAMMING INTERFACE (FOR USE WITH COMMUNICATION GROUP)	30.9500	4,333.00
				Programming interface.		
				<u>PO Miscellaneous Charges and Discounts</u>		<u>Dollar Value</u>
				TRAINING		5,800.00
				<b>Total Value:</b>		<b>395,020.50</b>
 <u>OPTIONAL NON AWARD PURCHASE ITEM</u>						
<p>The option to purchase technical training in accordance with the "Technical Training Requirements" has been exercised and included in this purchase order award.</p> <p>Training will be held consecutively with a day in between classes. The classes will be held at three three (3) different locations, one in Northern Ca, Central Ca, and Southern Ca. An exact location will be determined after award.</p>						
 <u>FOR THE PURPOSE OF THIS AWARD</u>						
<p>Only Free On Board (FOB) Destination will be accepted.</p>						
 <u>ELECTRICAL AND MECHANICAL EQUIPMENT</u>						
<p>All electrical and mechanical equipment furnished shall comply with the California Administrative Code; Title 8 (Industrial Safety Orders), Title 24 (State Building Standards Law) &amp; Title 17 (Public Health). All electrical equipment furnished shall be grounded, with any exceptions only as approved in the referenced applicable titles.</p>						
 <u>DELIVERY</u>						
<p>For the purpose of Inspection, Acceptance, and Rejection the contractor shall deliver 125 stations (line item 1), 1 each programming software, 2 each programming interface, 2 each service manuals (printed), and 2 each operator manuals within 90 calendar days after receipt of order (ARD). The remaining items of the purchase order (with the exception of technical training) shall be delivered within 140 days ARD.</p>						
 <u>SALES TAX</u>						
<p>Sales tax was not included in the bid pricing and is not part of this award. Sales tax should be added at time of invoicing. The sales tax rate applied should be based on the rate of the area the product is to be delivered to.</p>						
 <u>CASH DISCOUNTS</u>						
<p>Caltrans will honor cash discounts, if offered by the supplier. Payment to the supplier will be made in accordance with the cash discount terms and conditions specified on the invoice, and the terms will be calculated after the testing period date of acceptance.</p>						

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**PURCHASE ORDER CONTINUATION**

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<i>Purchase Order No.</i>	<i>Revision</i>	<i>Date</i>	<i>Supplier No.</i>	<i>Supplier Name</i>
62180		6/30/2008	811737	TALLEY COMMUNICATIONS CORP.

<i>Item No.</i>	<i>Quantity</i>	<i>Unit</i>	<i>Commodity Code</i>	<i>Description</i>	<i>Unit Price</i>	<i>Extension</i>
<p><u>PAYMENT INQUIRIES</u></p> <p>All inquiries regarding payment shall be directed to Bob Nitschke at (916) 657-5750.</p>						
<p><u>CHANGE ORDERS</u></p> <p>This Purchase Order may be amended, modified, or terminated at any time by mutual agreement of the parties, in writing. Change orders amending, modifying or terminating the Purchase Order, including any modifications of the compensation payable, may be issued only by the State Procurement Officer. All such change orders shall be in writing and issued only upon written concurrence of the supplier. Termination, as that term is used in this section, does not include termination for default of the supplier.</p>						
<p><u>SCPRS</u></p> <p>This Purchase Order has been registered into the State Contract and Procurement Registration System (<a href="https://www.scprs.dgs.ca.gov/">https://www.scprs.dgs.ca.gov/</a>). The registration number is 26600908334175.</p>						

# Technical Equipment Specification

**Equipment Type: Desktop Multiline Console**

Specification Number: RC-031 Rev. A

Issue Date: August 2008

Number of Pages: 13

The bidder shall submit information about the equipment being supplied below and on the subsequent pages.

Company Name: Talley Comm indications

Equipment Brand: GAI-Tronics

Equipment Model: GTC 08024

**1 General**

- 1.1 This technical equipment specification describes a desktop multiline radio dispatch console (console) for use by the State of California (State) in a public safety land mobile radio system.
- 1.2 The console shall be microprocessor controlled.
- 1.3 The console shall be configured by the supplier as indicated in the "Console Configuration List" provided to the supplier with each purchase order.

**2 Overall Console Requirements**

	The console shall meet or exceed the following performance standards:	Meets Requirement		Provide supporting data about the equipment.
		Yes	No	
2.1	Fully equipped transmit/receive channels	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.2	Hum and noise	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.3	Audio Frequency Response	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.4	Audio Distortion	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.5	Input and output impedance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.5.1	Terminated impedance 600 ohms	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.5.2	Capability to parallel at least 4 consoles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

The console shall meet or exceed the following performance standards:	Meets Requirement	Provide supporting data about the equipment.
	Yes No	
<p>2.6 Circuit Modifications</p> <p>The available changes must include:</p> <ul style="list-style-type: none"> <li>addition/deletion of a circuit,</li> <li>circuit identification labeling,</li> <li>2-wire/4-wire audio, and intra-control systems configuration.</li> </ul>	<p><input checked="" type="checkbox"/> <input type="checkbox"/></p>	
<p>2.7 Acceptable modification methods</p> <p>2.7.1 Connecting or disconnecting plugs, switch setting changes, or solderless jumper changes.</p>	<p><input checked="" type="checkbox"/> <input type="checkbox"/></p>	
<p>2.7.2 Software changes performed by State personnel.</p> <p>Accomplished via a menu driven program internal to the console and accessed by either: a personal computer, or, a vendor-supplied keyboard that plugs into the console</p>	<p><input checked="" type="checkbox"/> <input type="checkbox"/></p>	

### 3 Intracontrol System Requirements

The console shall meet or exceed the following performance requirements:		Provide supporting data about the equipment.	
		Meets Requirement	
		Yes	No
3.1	Circuit Selection Options	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.1.1	Single Circuit Select	Each circuit in the console shall be capable of being "selected" as the primary circuit.	
3.1.2	Simultaneous Select	Allows the operator to select more than one circuit simultaneously.	

### 4 Transmitter Keying Control

The console shall meet or exceed the following performance requirements:		Provide supporting data about the equipment.	
		Meets Requirement	
		Yes	No
4.1	Transmitter Keying Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.2	Transmitter Keying Activation	In-band tone signaling superimposed on the same wire pair as the transmit and receive audio signals Selected control line will be keyed upon: Handset transmit switch and Desk microphone transmit switch Provides selection among multiple transmitter frequencies.	
4.3	In-band Tone Keying	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The console shall meet or exceed the following performance requirements:

Meets Requirement

Provide supporting data about the equipment.

Yes No

4.3.1 The guard tone shall be attenuated from the transmit audio.

4.3.2 Station control per channel 8 minimum

4.3.3 Tone format

Order	Tone	Frequency	Level	Duration
1st	Guard High	2175 Hz	0 dBm	120 mS
2nd	Monitor	2050 Hz	-10 dBm	40 mS
2nd	Function F1	1950 Hz	-10 dBm	40 mS
2nd	Function F2	1850 Hz	-10 dBm	40 mS
2nd	Function F3	1350 Hz	-10 dBm	40 mS
2nd	Function F4	1250 Hz	-10 dBm	40 mS
2nd	Function F5	1150 Hz	-10 dBm	40 mS
2nd	Function F6	1050 Hz	-10 dBm	40 mS
2nd	Function F7	950 Hz	-10 dBm	40 mS
2nd	Function F8	750 Hz	-10 dBm	40 mS
3rd	Guard Low	2175 Hz	-20 dBm	Duration of transmission
	Reference	1000 Hz	0 dBm	

**5 Main Control Panel**

The console shall contain the following indicators and controls:		Meets Requirement	Provide supporting data about the equipment.
		Yes	No
5.1	"Call" Indicator	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Indicates a received signal on a control line.		
5.2	Frequency Select Indicator	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Signifies the selected frequency of a channel		
5.3	Control Line Select Indicator	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5.4	Simultaneous "select"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5.5	"All mute."	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Mutes all unselected audio.		
5.5.1	Single-action activation/de-activation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Multiple steps to activate or de-activate are not allowed.		
5.6	Programmable alphanumeric display	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	8 character, minimum		

**6 Console Outputs**

The console shall provide the following outputs and meet or exceed the following requirements:		Meets Requirement	Provide supporting data about the equipment.
		Yes	No
6.1	Audio Outputs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6.1.1	Audio Output Levels (TX)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Balanced 600Ω, Adjustable to Max of +10 dBm, Min of -10 dBm.		
6.1.2	Documentation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	The reference level must be documented on block diagrams, level diagrams and in the maintenance manual.		

### 7 Transmit/Receive Circuitry

The console shall meet or exceed the following requirements:		Provide supporting data about the equipment.	
		Meets Requirement	
		Yes	No
7.1	The transmit circuitry and the receive circuitry shall be configured to work as a unit.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.2	Receive Audio	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Applies to both "selected" and "unselected" audio		
7.2.1	Signal Line Input Range	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	-30 dBm to +10 dBm		
7.2.2	Compression Output Level Variation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	3 dB variation, maximum, throughout the 24 dB range.		
7.2.3	Distortion	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<3% max at full compression		

### 8 Speakers

The console speakers shall meet or exceed the following requirements:		Provide supporting data about the equipment.	
		Meets Requirement	
		Yes	No
8.1	Power Rating	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	0.8 watts, minimum		
8.2	Volume Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Volume controls requiring program action to change volume are unacceptable.		
8.2.1	Attenuation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Sufficient to decrease speaker to mute level		

## 9 Physical Requirements

The console shall meet or exceed the following physical requirements:

		Meets Requirement		Provide supporting data about the equipment.
		Yes	No	
9.1	Desktop configuration	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Self-contained "office telephone" style; supplied with interconnecting cables.			
9.2	Maintenance Access	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Without use of special tools other than extender cards.			
9.3	Size	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Max 10"W x 10"D x 5" H			
9.4	Microphone	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Desktop-style with PTT switch and Handset-style with cradle and PTT switch.			
9.5	Connections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Readily removable without requiring soldering/de-soldering			
9.6	Console To Control Line Connections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Wired to readily accessible screw-type terminals, or Telco-style RJ-45 Jack, or D-sub style jack such as a DB-25.			
9.7	Audio Output Connection	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Barrier strip terminals, or Bulkhead connector, or Telco-style RJ-45 Jack, or D-sub style jack such as a DB-25			

	Meets Requirement	Provide supporting data about the equipment.
	Yes No	
<p>The console shall meet or exceed the following physical requirements:</p> <p>9.8 Printed Circuit Boards</p>	<p><input checked="" type="checkbox"/> <input type="checkbox"/></p>	<p>Prototypes or boards modified by use of external wires are not acceptable (note: jumpers used for configuration changes, such as keying are acceptable). The State engineers will make the final determination of any board being a prototype.</p>
<p>9.9 All printed circuit cards shall be clearly labeled to show component identification on the component side of the card.</p>	<p><input checked="" type="checkbox"/> <input type="checkbox"/></p>	
<p>9.10 All connectors, terminal blocks, cables, controls, and modules shall be clearly labeled.</p>	<p><input checked="" type="checkbox"/> <input type="checkbox"/></p>	<p>Labeling shall be designed to allow technicians to easily match connectors and cables to mates</p>
<p>9.11 Each set of control line function switches on the circuit control switch modules shall be grouped together for identification and ease of operation.</p>	<p><input checked="" type="checkbox"/> <input type="checkbox"/></p>	

The console shall meet or exceed the following physical requirements:

	Meets Requirement	Provide supporting data about the equipment.
9.12 Accessibility of Internal Adjustments	<input checked="" type="checkbox"/>	Mounted to provide easy access during adjustment and setup. The controls shall be mounted to allow adjustment without the use of extender equipment or board relocation.
9.13 The console shall contain no forced air cooling devices.	<input checked="" type="checkbox"/>	
9.14 Operating Temperature Range	<input checked="" type="checkbox"/>	0° C to +45° C

### 10 Electrical Requirements

The console shall meet or exceed the following electrical requirements:

	Meets Requirement	Provide supporting data about the equipment.
10.1 Primary Power Input	<input checked="" type="checkbox"/>	117 volt, nominal, 60 Hz single phase AC
10.2 Persistent Button Configuration/Programming	<input checked="" type="checkbox"/>	In the event of primary power failure all button programming shall be automatically saved. All buttons shall be restored to their programmed configuration when power is returned to the system.

## 11 Software Requirements

Supply the following equipment as required:	Meets Requirement		Provide supporting data about the equipment.
	Yes	No	
11.1 Commercial Software (if required)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11.2 Application Software (if required)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11.2.1 Application software is any software created by the supplier that executes on any computer provided with the console.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The application software will be provided on CD, DVD or other mass storage media. The application software media will not have copy protection.
11.2.2 Proof of license and/or distribution authorization may be required when commercial software provided by the supplier is not proprietary to the supplier and is used as part of the application software.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11.2.3 The application software for channel changes and reconfiguration shall be menu driven for use by technical personnel.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11.2.4 The supplier shall provide any specialized hardware needed to run the application software.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Supply the following equipment as required:	Meets Requirement		Provide supporting data about the equipment.
	Yes	No	
11.2.5 Updates and revisions to the application software and associated documentation are the responsibility of the supplier and shall be made available to the Telecommunications Division.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

## 12 Accessory Equipment

Supply the following accessory equipment in the quantities specified on the equipment order:	Meets Requirement		Provide supporting data about the equipment.
	Yes	No	
12.1 Programming Documentation:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12.1.1 Instructions for circuit additions and deletions, channel configuration changes (this shall include but not be limited to 2-wire/4-wire, F1 - F8 definition, and control line signaling method), and intracircuit system requirements (simul-select, & mute).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12.2 Service / Installation Manual	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12.2.1 Provide a printed copy of the manual.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

	Meets Requirement		Provide supporting data about the equipment.
	Yes	No	
Supply the following accessory equipment in the quantities specified on the equipment order:			
12.2.2 Contents of manual	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Complies with Form TD-927 Service Manual Requirements
12.3 Operator Manual	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12.3.1 Provide a printed copy of the manual.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12.3.2 Contents of manual	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Location of all switches, controls and indicators; Step-by-step instructions to operate all equipment features.

**13 Standards**

	Meets Requirement		Provide supporting data about the equipment.
	Yes	No	
The equipment shall comply with the following documents and standards:			
13.1 Form TD-947	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Public Safety Radio Goods, Special Provisions
13.2 Form TD-927	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Service Manual Requirements

**PUBLIC SAFETY RADIO GOODS****SPECIAL PROVISIONS**

TD-947 (Rev. 04/07)

**1. TECHNICAL STANDARDS**

- a) Where applicable, all goods delivered shall meet or exceed the requirements contained in the Code of Federal Regulations, Title 47 Telecommunication, Chapter I Federal Communications Commission Rules and Regulations, in particular:
- i) Part 2, Subpart I, "Marketing of Radio Frequency Devices" (47CFR2.803). All goods offered shall be authorized by the FCC by the bid due date.
  - ii) Part 15, Radio Frequency Devices (47CFR15).
  - iii) Part 90, Private Land Mobile Radio Service (47CFR90).
  - iv) Part 101, Fixed Microwave Services (47CFR101).
- b) Where applicable, all goods operating in the analog mode shall meet or exceed all applicable performance standards listed in TIA/EIA-603-C, "Land Mobile FM and PM Communications Equipment Measurement and Performance Standards", unless otherwise stated in the specification.
- i) The State may consider goods operating within 30-50 MHz that are tested under comparable performance standards listed in TIA-603 and possibly EIA-152-C, "Minimum Standards for Land Mobile Communication FM or PM Transmitters, 25-866 MHz" and EIA/TIA-204-D, "Minimum Standards for Land Mobile Communication FM or PM Receivers, 25-866 MHz (which were superseded by TIA/EIA-603).
  - ii) Specification compliance testing conducted by the State, however, will be conducted in accordance with the methods, procedures, and requirements of TIA/EIA-603-C, unless otherwise stated in the specification. All measurements of transmitter radio frequency specifications shall be made at the transmitter chassis antenna connector. All measurements of receiver radio frequency specifications shall be made at the receiver chassis antenna connector. Measurements of received audio response and distortion shall be made at the speaker output.
  - iii) The performance requirements contained within the technical specifications further define and, in some cases, exceed the requirements contained in TIA/EIA-603-C. In the event of a conflict between performance requirements contained in TIA/EIA-603-C and the performance requirements contained in the specification, the requirements contained in the specification shall prevail.
- c) Where applicable, all goods operating in the digital mode shall meet or exceed all applicable APCO Project 25 system standards listed in the TIA/EIA 102 series of standards, interim standards and technical bulletins.
- d) Where applicable, all goods operating within 806-809 / 821-824 MHz and 851-854 / 866-869 MHz shall comply with the recommendations set forth in the National Public Safety Planning Advisory Committee 800 MHz NPSPAC Channel Regional Communications Plan for Regions 5 and 6 approved by the Federal Communications Commission (FCC) in 47CFR90.621(g).

**2. SPECIAL ORDERING PROVISIONS**

During the thirty-calendar day period immediately following purchase order issuance, the State reserves the right to increase the quantity ordered by up to twenty-five percent, or as otherwise specified, at rates not to exceed those contained herein.

**3. SPECIFICATION COMPLIANCE TESTING**

- a) Goods may be inspected before acceptance for workmanship, appearance, and conformance to all other requirements of the specifications. The State may reject any shipment or item of a shipment that is not in compliance with specification requirements or is otherwise defective in any manner.
- b) Within fifteen calendar days after contractor first receives notice of rejection, contractor shall, if requested by the State, remove rejected goods from the State's facilities. Upon failure of contractor to remove such goods from the State's facilities within the specified period, the State may forward such goods to contractor by common carrier, at contractor's expense and risk.
- c) Unless otherwise specified at time of rejection, and at no cost to the State, all rejected goods shall be repaired or replaced by contractor and shall be returned to the State within thirty calendar days from the date the goods are made available on, or removed from, the State's facilities, whichever occurs first.
- d) Unless otherwise specified at time of rejection, if contractor does not deliver goods meeting specifications within sixty calendar days from the date the goods are made available on, or removed from, State's facilities, whichever occurs first, contractor shall be deemed to be in default, and the State will terminate the purchase order in whole or in part in accordance with the Termination for Default provision contained in the General Provisions.
- e) At the State's option, contractor may be permitted to make repairs of rejected goods at the State's facilities.

**4. MINIMUM GUARANTEES AND WARRANTIES**

- a) Contractor is responsible for all guarantees and warranties required herein. Any guarantee/warranty offered by the original goods manufacturer shall not relieve contractor of this responsibility.

- b) If contractor is other than the manufacturer of goods delivered, contractor warrants that the manufacturer has authorized contractor to sell goods delivered. At the request of the State, written verification by manufacturer of such authorization shall be immediately provided.
- c) All goods delivered shall be guaranteed by contractor against defects for eighteen months from date of acceptance.
- d) During the guarantee period, contractor shall repair or replace, at its option and expense, all defective goods, or refund the purchase price thereof.
- e) Unless otherwise specified at time of requested repair, if contractor has not completed guarantee repair within thirty calendar days after notification of a malfunction, the State may effect such repairs and bill contractor for material cost and labor cost at the State technician current hourly rate.
- f) Workmanship and materials provided by contractor in the performance of any installation work required shall be guaranteed for ninety calendar days after installation. Workmanship or materials which are found to be defective during this period shall be promptly corrected at contractor's expense.
- g) During the Warranty Period, Contractor shall manage the individual warranties and maintenance services (if any) of the third-party Goods. If the third-party Goods do not function as warranted during the Warranty Period, Contractor will correct the deficiency

#### 5. DESIGN DEFECT

- a) A design defect shall be defined as identical failures occurring within five years after delivery in at least five units or five percent, whichever is larger, of identical assemblies, subassemblies, or parts supplied.
- b) Delivered goods shall be guaranteed by contractor against design defects for five years from date of acceptance. Upon written notification to and confirmation by contractor of design defects evidenced within the five-year guarantee period, contractor shall take prompt corrective action, at no cost to the State.
- c) Whenever it is necessary for contractor to take corrective action of design defects, contractor shall take the same corrective action in all identical goods supplied.
- d) All parts and materials used in corrective action for design defects shall be guaranteed by contractor against defects for one year from date of such corrective action.

#### 6. SERVICE PROVISIONS

- a) Contractor shall provide the following services that will repair or exchange, in the times indicated, all defective goods returned by the State for repair.
  - i) Emergency no-charge warranty service within five calendar days, excluding shipping time, for defective goods returned within the guarantee period.

- ii) Non-emergency no-charge warranty service within twenty calendar days, excluding shipping time, for defective goods returned within the guarantee period.
- iii) Emergency full-charge nonwarranty service within five calendar days, excluding shipping time, for defective goods returned after expiration of the guarantee period.

#### 7. AVAILABILITY OF REPAIR PARTS

- a) Contractor shall notify State of the date of last manufacture for all goods delivered.
- b) For a period of seven years from the notice of last manufacture, contractor shall make available to the State exact replacement parts for use in the delivered goods.
- c) If exact replacement parts are not available, contractor may substitute equal or similar parts which do not deteriorate performance and which will continue to meet all specifications in effect at the time of purchase.

#### 8. SOFTWARE USAGE/LICENSE REQUIREMENT

- a) The Department of General Services, Telecommunications Division, and/or the purchasing agency shall be permitted to make unlimited copies of any software required for installation and maintenance of goods supplied. Such copies shall be for the sole and exclusive use of the State designated maintenance and engineering personnel in the installation, maintenance, and operation of the delivered goods.
- b) Any need for a separate software license agreement to reflect the scope and/or limitations of this usage shall be negotiated to the mutual agreement of the parties, including Department of General Services, Procurement Division and Telecommunications Division.

**Service Manual Requirements**

TD-927 (Rev. 03/04)

1. Each service manual shall be current and shall include any revised and/or supplemental documentation if not published in the main service manual.
2. Each service manual shall contain a general information section as follows:
  - 2.1. A list of applicable subassemblies that comprise the specified equipment
  - 2.2. Overall description of the equipment design features, performance, and applications
  - 2.3. Equipment specifications summary
  - 2.4. Equipment installation instructions, if applicable.
3. Each manual shall contain a theory of equipment operation section which shall include the following items:
  - 3.1. Theory of operation of the standard equipment, with unique or unusual circuitry described in detail.
  - 3.2. Theory of operation reflecting any modifications to the standard equipment.
4. Each manual shall contain an equipment maintenance section which shall include the items as follows:
  - 4.1. Recommended test equipment and fixtures, or minimum operational and performance requirements for appropriate test equipment.
  - 4.2. Alignment and troubleshooting information and charts.
  - 4.3. Removal and installation procedures for replacing assemblies and subassemblies, if not obvious or if improper sequencing of steps may result in component damage.
5. Each manual shall contain an equipment replacement parts section which shall include a component parts list including electrical parts, mechanical parts, and assemblies. All semiconductors shall be identified by the supplier's numbers and, as applicable, by JEDEC numbers.
6. Each manual shall contain an equipment diagram section which shall include the following items:
  - 6.1. Schematic diagram(s) identifying all circuit components and showing normal test voltages and levels.
  - 6.2. An overall functional block diagram.
  - 6.3. Detailed interconnecting diagram(s) showing wiring between modules, circuit boards, and major components.
  - 6.4. Pictorial circuit board layout diagrams(s) showing both component placement and printed wiring detail.
  - 6.5. Diagram(s) showing location of circuit boards and other subassemblies.
  - 6.6. Exploded view diagram(s) of complex mechanical assemblies.
7. Each manual shall conform to the following physical requirements:
  - 7.1. All pages, including latest revisions, shall be securely fastened together between protective covers (loose-leaf ring binding is acceptable).
  - 7.2. No page shall be subject to fading from exposure to any normal source of ambient lighting (OZALID reproduced pages are not acceptable).
  - 7.3. On orders of twenty or more manuals, the cover or first page shall be printed to show equipment model number, State purchase order number and its date, and name of State agency for which the equipment is specified.
  - 7.4. On orders including less than twenty manuals, the cover or first page shall be marked in any manner to show the State purchase order number and date.

**1 Objective**

Given a classroom condition with the specified equipment and materials the State technical staff shall learn the information necessary to earn the manufacturer certification for maintenance and repair.

**2 Quantity**

The State may specify on the equipment order that the supplier conduct one or more training courses.

**3 Schedule**

The training course shall be conducted within 90 days after equipment acceptance or at a later specified date agreed upon by the State.

**4 Number of Trainees**

The training course shall be designed for a group of 10-15 State telecommunications engineers and/or maintenance technicians per class.

**5 Length of Training Course**

The length of the course shall be sufficient to provide for the training objective and, unless otherwise specified, shall be a minimum of 4 hours. The training shall not exceed 8 hours on any one day and the days shall be consecutive.

**6 Syllabus**

The training course shall be a manufacturer certified course for the equipment specified. The training course shall include but not be limited to the following topics:

- Installation and initial check-out procedures.
- Theory of operation.
- Programming software procedures.
- Routine maintenance practices and procedures.
- Trouble-shooting techniques and procedures.

A copy of the lesson plan to be used for this class by the instructor shall be forwarded to DGS Telecommunications one week before the instruction is to begin.

**7 Instructor Qualifications**

The training course shall be conducted by a manufacturer trained and certified instructor. The State prefers the training be provided by a certified instructor employed by the manufacturer. If the manufacturer does not directly employ the instructor, the supplier of the equipment shall provide, upon request, to the State, proof of certification that the instructor is manufacturer trained on the specified equipment and will present the same course as if given by the manufacturer.

**8 Sameness of Courses**

If more than one training course is specified. All training courses ordered shall be identical.

## 9 Location of Courses

The training course(s) may be held at State facilities in Sacramento or, if agreed to by the State, at a supplier-provided site within the State of California. To use the State facilities in Sacramento, the supplier should contact:

George Rivera  
State of California, Department of General Services  
Telecommunications Division  
601 Sequoia Pacific Blvd.  
Sacramento, California 95814-0282  
916-657-9748

## 10 Course Material

The supplier shall supply each trainee with the following material that is specific to the equipment ordered:

- A copy of the Operation and Maintenance manual in accordance with TD-927 Service Manual Requirements
- Documentation covering all modifications made to the equipment in compliance with the State specification.
- Programming Software
- Programming instruction manual
- A copy of the Manufacturer's training, on CD or DVD format, if available, will be given to each student that attends a training class.

## STATEWIDE CONTRACT

### STATEMENT OF WORK

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#### Non-IT General Provisions

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This Statement of Work ("Agreement") reflects the change to General Provisions, GSPD-401 Non-IT Commodities, as required for the Department of General Services-Telecommunications Division hereinafter referred to as the "State".

#### SCOPE

Paragraph 17.e) is modified as follows:

The state shall give written notice of rejection of goods delivered or services performed hereunder within a reasonable time after receipt of such goods or performance of such services. Such notice of rejection will state the respects in which the goods do not substantially conform to their specifications. If the State does not provide such notice of rejection within sixty (60) days, unless otherwise specified in the statement of work, of delivery, such goods and services will be deemed to have been accepted. Acceptance by the State will be final and irreversible, except as it relates to latent defects, fraud, and gross mistakes amounting to fraud. Acceptance shall not be construed to waive any warranty rights that the State might have at law or by express reservation in this Contract with respect to any nonconformity.

#### STATE RESPONSIBILITIES

The sixty (60) day inspection, acceptance, and rejection period starts upon the receipt of goods as specified on the purchase order (with the exception of training, if ordered).