TITLE PAGE

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Volume III
Technical and Managementt Proposal

A/1

GTI is proposing a complete telecommunications system solution from a leader in the Digital PBX world. In addition, GTI through our systems integration capability is adding functionality to the basic system to insure compliance with all of the Government's requirements. The basic system proposed [redacted]. The [redacted] the [redacted] combination of hardware and software from [redacted].

In addition to the basic system, GTI is proposing an intelligent conference bridge from [redacted] to meet the NRCOC bridging requirements.

The [redacted] EPABX is a flexible, digital system that is upgradeable and is compatible with the evolving ISDN standards. In addition, the [redacted] is a fully processor stored program controlled switching system.

The underlying hardware and software structure is the same for all system configurations regardless of size or application. This hardware/software structure ensures both upward and downward compatibility between different [redacted] systems.

Because the network structure is homogeneous for all system configuration, the network control scheme is also generic. The simplicity of the network allows for fast implementation of fully distributed call control.

The system uses a single - stage Time Division Multiplexing switching network which provides:

- Non-blocking architecture.
- High speed data communications.
- High bandwidth capability.
- Pulse Code Modulation (PCM).

The proposed NRCOC system, the [redacted] provides a high degree of redundancy that is standard. The entire common equipment (down to the port level) within the [redacted] is duplicated to provide a highly reliable and survivable telephone system. The following hardware is fully duplicated in all [redacted] PABX's:

A. Call Processing/Input/Output Subsystem

- Management and Call Processor (including processors and memory)
- Peripheral Bus Controller
- Inter Multi-Processor Bus Controller (IBC)
- Scan/Signal Distributor
- File Memory Controller (FMC)
- File Memory
- Data Communications Controller
- Network
- Ring Generator

B. Speech Path Memory

- Speech Path Memory
- Multiplexer
- De-Multiplexer
- Highway Interface
- Power Supply for line and trunk circuits

C. Power Supply

- Line/Trunk (LTU) Shelf power.
- Common equipment power network.

The [redacted] hardware includes redundant hard disk drives and floppy disk drives for program and database storage, loading, and system updates. If a malfunction occurs in the common equipment, a Phase 1 cutover is initiated automatically. This transfers all operation to the redundant common control equipment, including the redundant memory. All stable calls are maintained when this occurs. Calls in transition (i.e. dialing or ringing are lost and must be placed again. If a failure occurs in the second system the system initiates a total re-start and brings up one of the two duplicated common systems that provides the most call processing capacity.

GTI is proposing the [redacted] a non-redundant version of the [redacted] for the three regions. The [redacted] is designed to be upgraded to a [redacted] by simply adding the redundant components.

GTI is proposing a system that includes all subscriber station equipment, attendant cabinets/consoles, a cable wiring distribution system, distribution frames, reserve power equipment and all other ancillary equipment required to provide the total system specified.

Due to the nature of the [redacted] architecture, which is one of the first to be designed for high speed data to be brought about as a result of ISDN, and the fact that the [redacted] is actually in the beginning of its product life cycle, GTI can easily guarantee a design life expectancy for circuits and components of at least 10 years.

The [redacted] is designed specifically to meet the NRC's requirements both at the NRCOC and at the regional offices. [redacted] has been a recognized leader in electric power equipment since 1945. Their products include:

- o Industrial battery chargers
- o Telecommunication power systems
- o Power Supplies
- o DC to AC converters
- o UPS systems

All equipment is manufactured in the heartland of the United States and is completely assembled, tested and verified prior to shipment for installation with the proposed [redacted]

The Government's requirements for a MS required an integrated solution to meet all of the stated requirements. The MS, as proposed, will run on a GTI supplied IBM Compatible 386 25Mhz Personal Computer with 2 MB of memory, a 80MB hard disk drive, VGA color monitor, floppy disk drive, keyboard and an attached 300CPS letter quality dot matrix printer. The system will also contain a [redacted] for connection of up to 4 terminals and the entire system will be Novell compatible. The PC will be connected to the system emergency battery power supply.

In addition to the hardware proposed, GTI is proposing several software packages that together meet all of the MS requirements.

The first package to be provided is the [redacted] system. The [redacted] is a dedicated system that is in constant communication with the PBX. It provides an interface from a MS-DOS machine for programming and traffic analysis of the connected switch.

The second package is the [redacted] This suite of software also runs on the previously described computer. The suite of software includes:

1. DataBase Module.

   - o Call Accounting
   - o Cost & Budget Allocation
   - o Directory/Message Center
   - o Report Writer

2. Inventory/Work Order

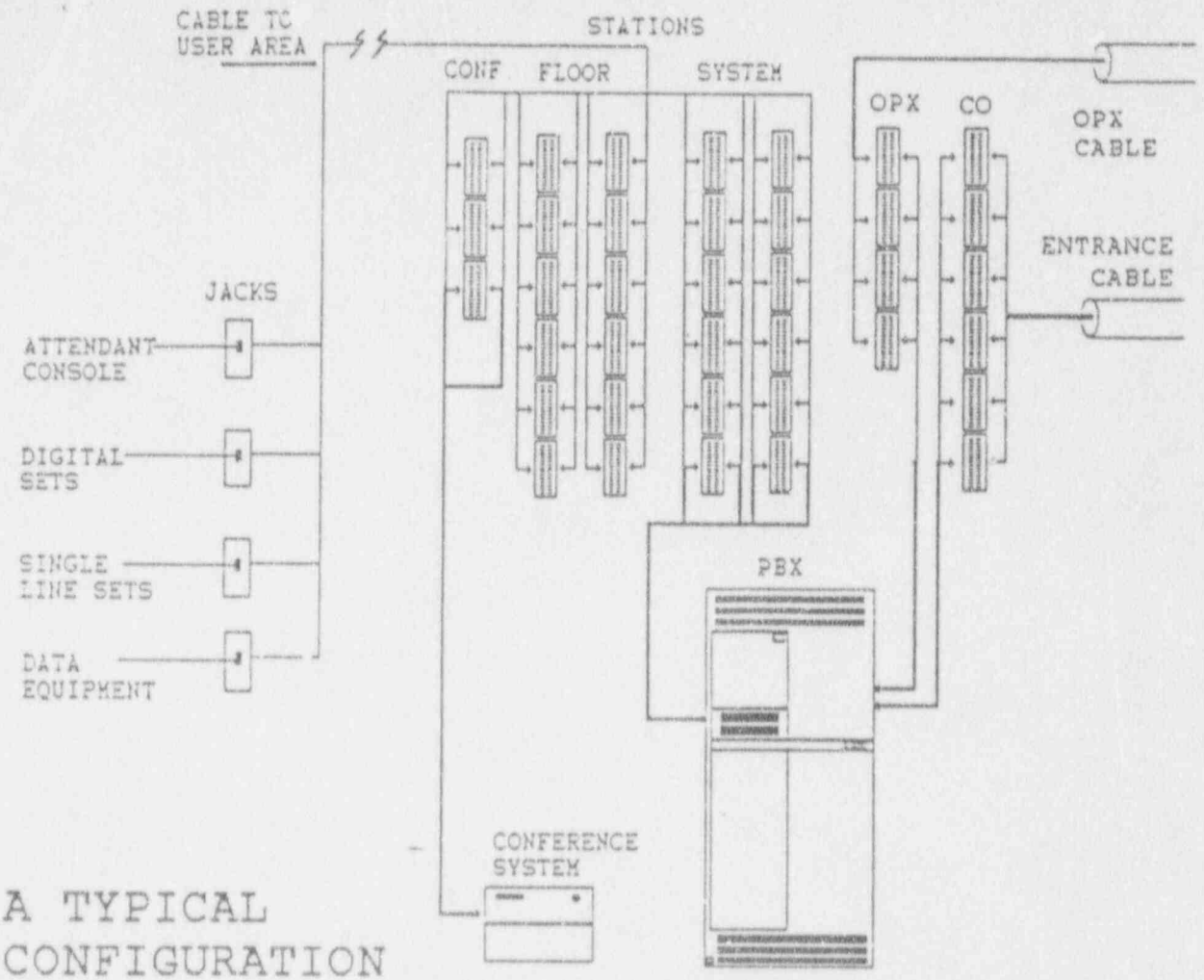
   - o Equipment Cost Allocation
   - o Inventory System
   - o Work Order Entry
   - o Technician Time/Charges

3. Facilities Management

   - o Trouble Tickets
   - o Cable Tracking
   - o Traffic Analysis
   - o Automatic Cable Assignment

The conference bridge proposed is the [redacted] from [redacted] The product is manufactured in the United States and represents current state-of-the-art in conference bridging. The [redacted] conference bridge is a third generation system design that links conferees together in natural, interactive electronic telephone meetings featuring premium sound quality and consistent audio levels. The [redacted] system's non-blocking architecture dynamically allocates up to 72 ports to permit as many as ten simultaneous conferences, or subconferences. Multiple operators can work together from a single location or in distributed networks to speed call set up and optimize network efficiency. A variety of conference modes, including meet-me, dial-out, passcode, broadcast and chairperson-dialed are readily accommodated. The [redacted] is software controlled and offers a wide range of feature packages and customization options.

GTI brings 5 years of successful experience in developing, integrating, delivering, installing and maintaining telecommunications systems to the U.S. Government to this procurement. We are confident that together with the equipment proposed we can meet all of the NRC's requirements and expectations for new, state-of-the-art, sophisticated telecommunications systems.



A TYPICAL CONFIGURATION

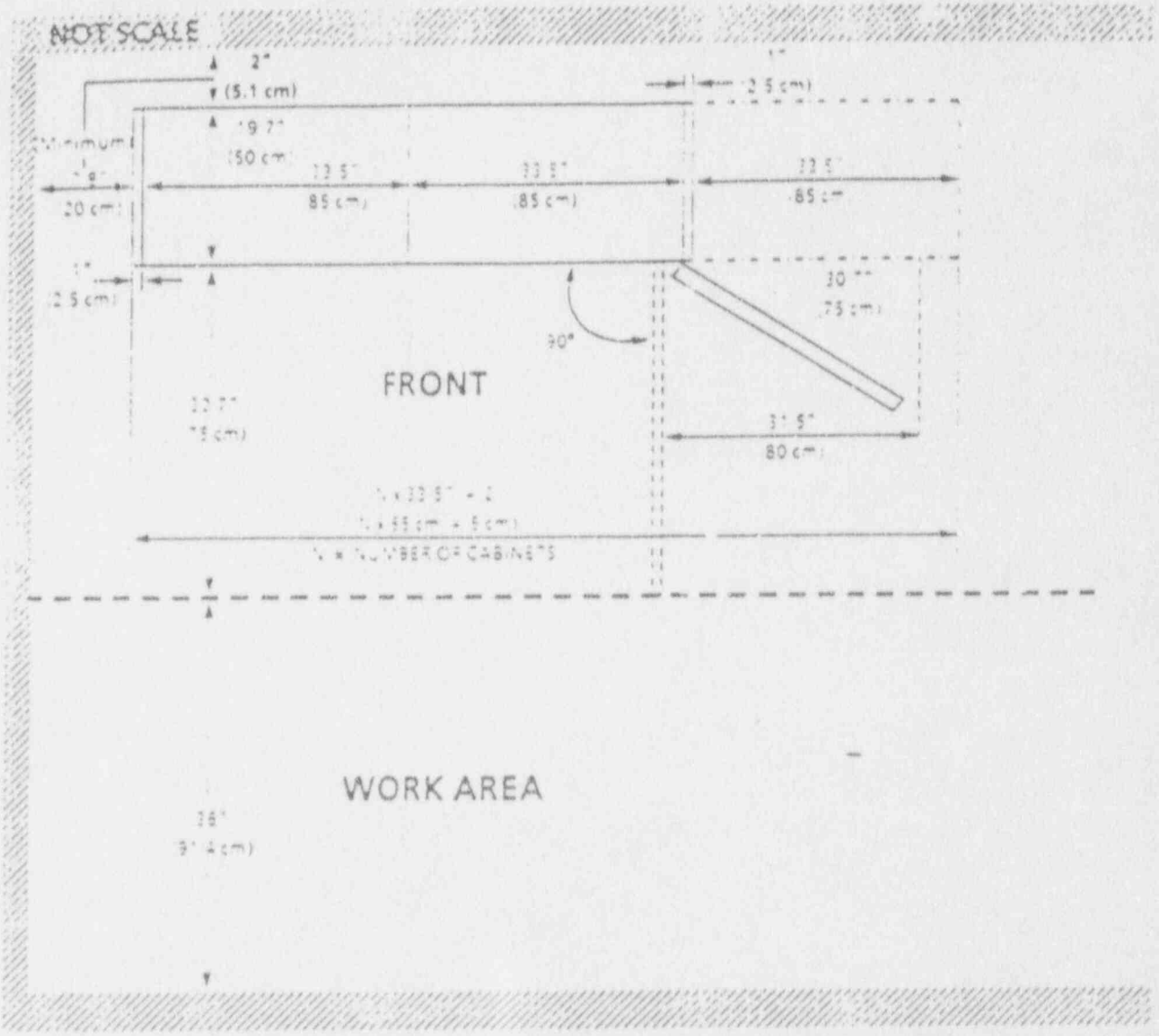
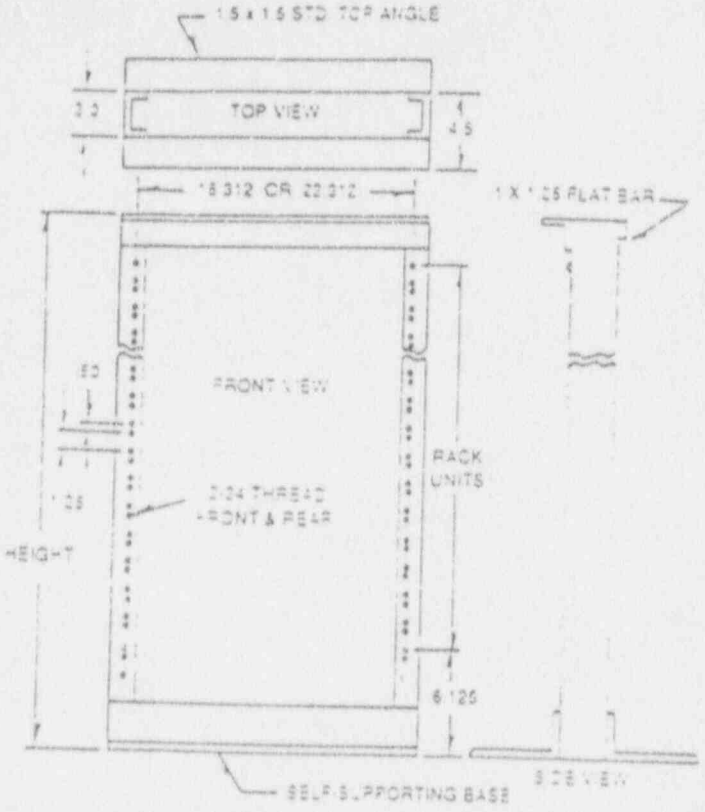


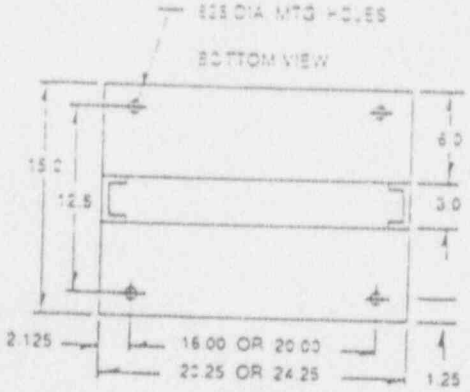
Figure 12.2 Cabinet Floor Plan for Against-a-Wall Configuration

Relay Racks

GENERAL DESCRIPTION

[redacted] equipment relay racks are of bolted construction with a brushed aluminum finish. These racks provide an efficient and rugged means of mounting battery chargers as well as other associated d.c. power equipment. The component parts consist of two 3 inch channels which are drilled and tapped on the front and rear for 12-24 NC hardware. When assembled the two 1.5 inch top angles and 15 inch base provide a sturdy equipment rack. [redacted] offers a wide array of relay rack heights from 6 feet through 9 feet in both 19 and 23 inch wide mounting dimensions.



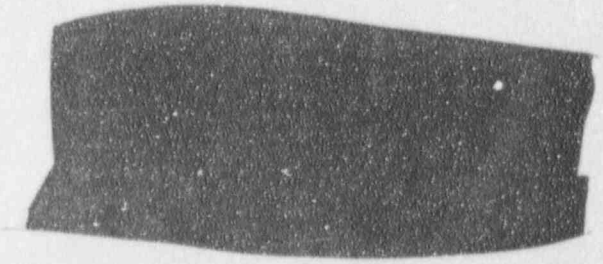


ALL DIMENSIONS IN INCHES

RELAY RACKS

Model Number	Rack Width	Rack Height* in Ft.	**Available No. of Rack Units
[redacted]	19"	6	36
	19"	6-1/2	39
	19"	7	43
	19"	7-1/2	45
	19"	8	49
	19"	9	55
	23"	7	43
	23"	8	49
	23"	9	55

*Deduct 8-3/4" for useable height.
**A rack unit space is equal to 1.75 inches.



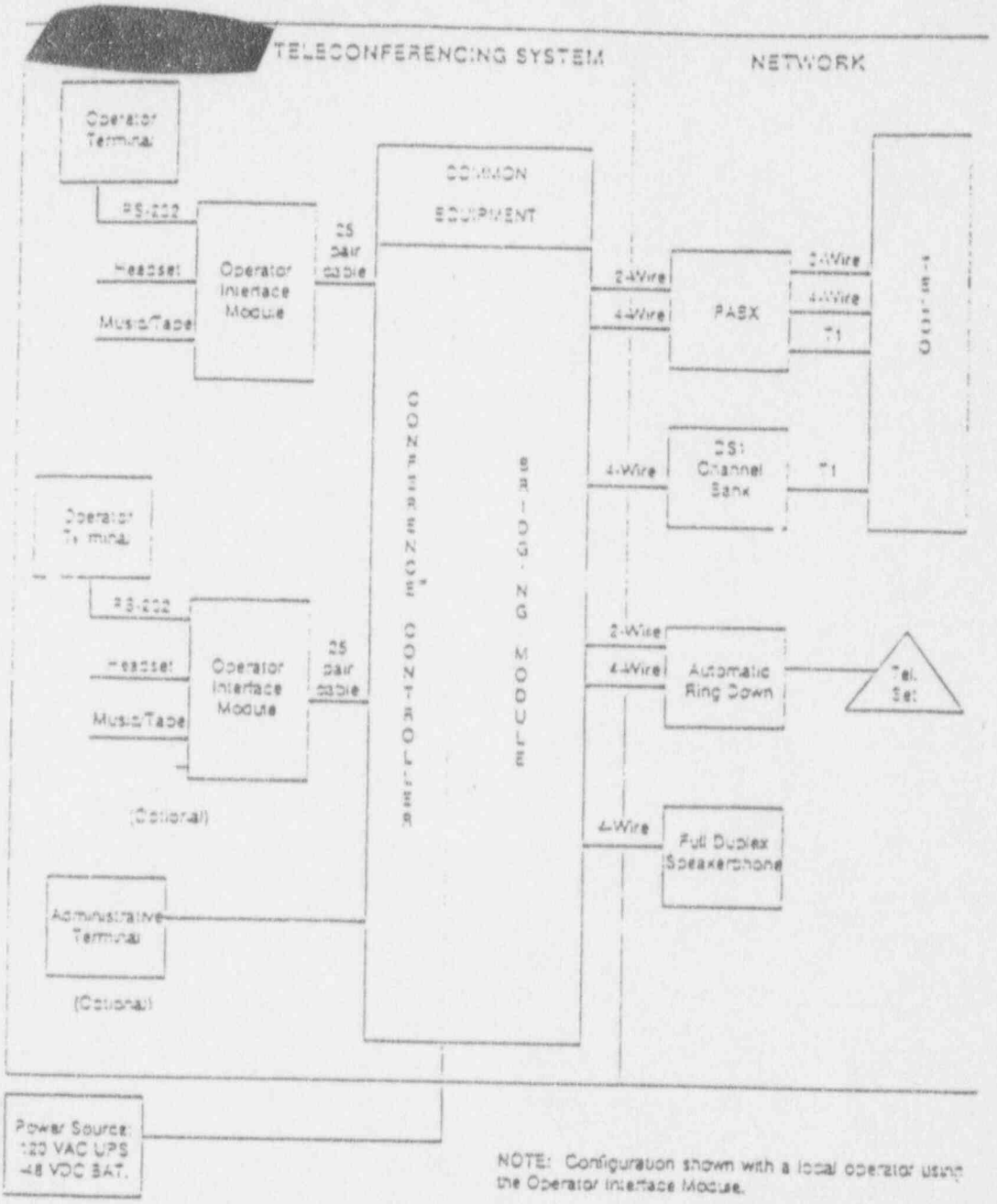
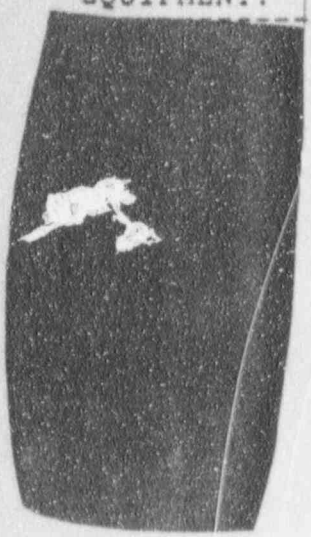


Figure 1-2 [redacted] system block diagram

ENVIRONMENTAL SPECIFICATIONS



EQUIPMENT:	ITEM	OPERATING	STORAGE
	TEMPERATURE	40 - 86 deg. F (5 to 40 deg. C)	-40 to 151 deg. F (-40 to 66 deg. C)
	HUMIDITY	20 to 80% RH	5 to 95% RH Non-condensing
	TEMPERATURE INCREASE IN CABINET	77 deg F (25 deg. C) or less	
	TEMPERATURE	32 - 122 deg. F (0 - 50 deg. C)	-40 to 185 deg. F (-40 to 85 deg. C)
	HUMIDITY	0 to 95% RH	
	COOLING	Convection	
	TEMPERATURE	32 - 122 deg. F (0 - 50 deg. C)	-4 to 140 deg. F (-20 to 60 deg. C)
	HUMIDITY	0 to 95% RH	
	COOLING	Convection	
	TEMPERATURE	50 - 95 deg. F (10 - 34 deg. C)	-30 to 140 deg. F (-34 to 58 deg. C)
	HUMIDITY	20 to 80% RH non-condensing	

ITEM	OPERATING	STORAGE
Temperature:	40 - 85 deg F (5 to 40 deg C)	-40 to 151 deg F (-40 to 65 deg C)
Humidity:	20 to 80% RH	5 to 95% RH non-condensing
Temperature Increase in Cabinet:	77 deg. F (25 deg. C) or less	N/A

SERIES

Single Phase Controlled Ferroresonant Float Chargers for Telecommunications Power Systems

ENVIRONMENTAL

Operating Temperature: 0°C (32°F to 50°C (122°F)
Storage Temperature: -40°C (-40°F to 85°C (185°F)
Humidity: 0-95% relative humidity
Cooling: Convection

D.C. TO A.C. Inverter Sine Wave Output

ENVIRONMENTAL

Operating Temperature 0 to 50°C
Storage Temperature -20 to 60°C
Relative Humidity 0-95%
(non-condensing)
Cooling: Convection

ENVIRONMENTAL

Temperature		
Common Equipment		
Operating	50° to 95°F	10° to 34°C
Storage	-30° to 140°F	-34° to 58C
Operator Terminals		
Operating	50° to 104°F	10° to 40°C
Storage	-40° to 140°F	-40° to 58°C
Relative Humidity	20% to 80% (non-condensing)	
Altitude		
Operating	0 to 10,000ft.	
Non-operating	0 to 35,000ft.	

Controlled Ferroresonant Float Chargers for Telecommunications Power Systems

GENERAL DESCRIPTION

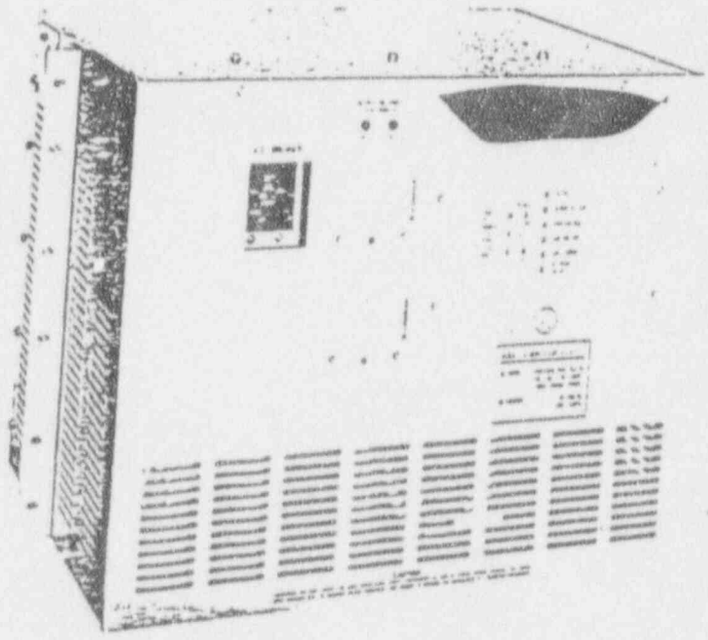
[redacted] controlled ferroresonant float chargers have many inherent advantages such as voltage regulation, high efficiency, high power factor, and short circuit protection.

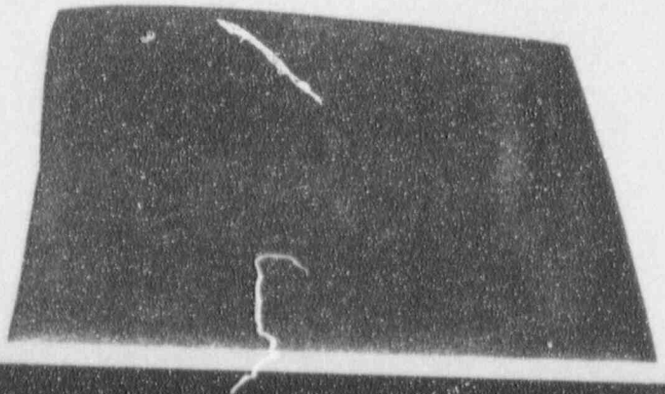
These chargers provide separate adjustable voltages for floating or equalizing lead or nickel cadmium cells. A float/equalize selector switch is located on the front of the charger.

Steady state output voltage remains within ±½% of the setting from no load to full load and for a.c. input voltages with ±10% of the nominal input voltage.

For all conditions of input voltage and output load, output noise is less than 32 dbrn ("C" message weighting) and output ripple not exceeding 30 millivolts RMS, on batteries rated in ampere-hours at four (4) times the rated charger current.

[redacted] chargers are internally filtered to 32 dbrn ("C" message weighting) without the batteries connected. This allows the A36F to be used as a battery eliminator/power supply.





DESIGN FEATURES

- Recognized LaMarche Quality and Reliability
- Controlled Ferroresonant Design
- State of the Art Circuit and Components
- Load Sharing/Paralleling
- Current Walk In
- Alarms (one form "C") Rectifier Failure and Low Current
- Adjustable High Voltage Shutdown
- Local and Remote Sensing
- Remote Equalize
- Float/Equalize Switch
- Output Voltage Test Points
- Adjustments for
  - Float Voltage
  - Equalize Voltage
  - Current Limit
  - High Voltage Shutdown
  - Low Voltage
  - Low Current
- AC Circuit Breaker
- Meters (±2% accuracy)
  - DC Ammeter
  - DC Voltmeter
- LED Status Indicators
  - AC "On"
  - Float Mode
  - Equalize Mode
  - Rectifier Failure
  - High Voltage
  - Low Voltage
  - Low Current
  - Blown DC Fuse

SPECIFICATIONS

REGULATION

Steady-State
Plus or minus ½% of the setting from no load to full load over the specified input voltage, frequency, and ambient temperature ranges.

Dynamic Response (on battery)
Maximum voltage transient will not exceed ±5% of initial steady-state voltage for a step change from 20% to 100% of the full rated load. Recovery to steady-state voltage regulation range does not exceed 200 ms and all transient behavior disappears within 500 ms.

AUDIBLE NOISE

Less than 65dBA at any point 5 feet from any vertical surface of the rectifier.

FILTERING

Voice Band Noise
Less than 22dbrnC when tested according to REA Form 524 and less than 32dbrnC on batteries rated in ampere-hours at four times the rated charger current. [redacted] units are filtered to 32dbrnC without batteries connected.

PROTECTION

Current Limit
The chargers have an inherent magnetic current limiting feature. Electronic current limiting control circuitry provides for an adjustable value of 90 to 125% of the rated output current.

AC Breaker
A two-pole circuit breaker opens both sides of the AC service for 208 or 240. Breaker opens phase side of 120-VAC service.

Fusing
DC output fused (Optional DC Breaker Replacing Fuse)

High Voltage Shutdown
AC circuit breaker trips if output voltage exceeds a preset adjustable value.

ENVIRONMENTAL

Operating Temperature: 0°C (32°F) to 50°C (122°F)
Storage Temperature: -40°C (-40°F) to 85°C (185°F)
Humidity: 0-95% relative humidity
Cooling: Convection

ENCLOSURES

Front Access, relay-rack, or floor mounted, ANSI 61 Gray

Load Sharing:
Load sharing terminals are provided on the alarm interface board. When connected, two (2) or more LaMarche units are forced to share the load equally within ±5% for individual unit outputs greater than 10% of rated output.

Current Walk In
Output current will gradually increase after the charger is turned on eliminating surges and overshoot.

Output Voltage Test Terminals
Positive and negative insulated terminals located on the front of the charger allow connection of a portable volt meter.

Meters
Charger is equipped with a ruggedized taut-band ammeter and voltmeter, ±2% accuracy at full scale.

DC OUTPUT PANEL

Equalize Indicator
A red LED illuminates when the charger is in the "equalize" mode.

Float Indicator
A red LED illuminates when the charger is in the "float" mode.

ALARM STATUS PANEL

AC ON Indicator
A red LED illuminates when the charger is operating.

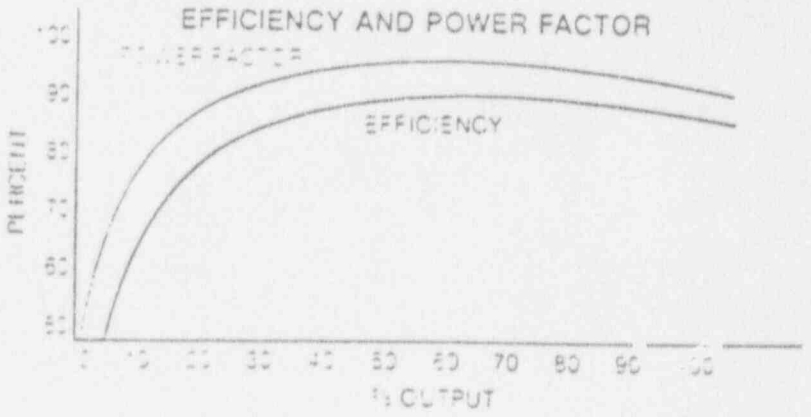
Low-current Alarm Indicator
A red LED illuminates when the charger output current falls below 5% of rectifier rated DC output. A form "C" contact is also provided for connection of a remote alarm. The alarm also triggers the rectifier fail alarm contacts.

Rectifier Fail Alarm Indicator
A red LED illuminates when a failure has occurred which may disable the charger. The possible failure conditions include: low current, low output voltage or high output voltage. A form "C" contact is provided for connection of external alarms.

Low-voltage Alarm Indicator
A red LED illuminates when the charger output has dropped below the preset adjustable voltage point. The alarm also triggers the rectifier fail alarm circuits.

Blown DC Fuse Indicator
A red LED illuminates when the DC fuse has opened.

High Voltage Alarm Indicator
A red LED illuminates when the charger output has exceeded the preset adjustable high-voltage point. The alarm also triggers the rectifier fail alarm circuits.



ELECTRICAL

Output

DC Voltage	12	24	48
Float	12.7-13.5	25.4-27.0	50.9-54.0
Equalize	13.6-14.4	27.1-28.8	54.2-57.6

Rated Current: 10, 12, 15, 20, 25, 30, 50, 75, 100, 150, 200 Amperes.

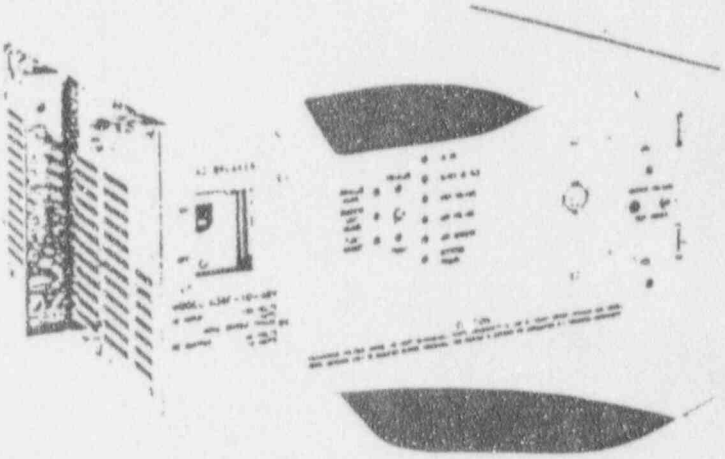
Input

AC Voltage + 10% (see table)

Frequency: 60 Hz + 5%

(50 Hz optional. Consult Factory*)

Case size may change with 50Hz unit



12 VOLT D.C. OUTPUT

MODEL	DC AMPERES	AC INPUT VOLTS	AMPS 120	AMPS 208	AMPS 240	PROTECTION INPUT 120	PROTECTION INPUT 208	PROTECTION INPUT 240	PROTECTION OUTPUT	CASE NO.	APPROX. WEIGHT
	15A	120	3	—	—	5	—	—	15A	39	45
	20A	120	3.5	—	—	5	—	—	20A	39	52
	25A	120	4	—	—	7.5	—	—	40A	39	54
	30A	120	5.5	—	—	10	—	—	40A	39	55
	50A	120 208 240	8	5	4	15	7.5	7.5	80A	4D	89
	75A	120 208 240	12	7	6	20	10	10	100A	4D	110
	100A	120 208 240	16	8	7	25	12.5	12.5	130A	4D	130
	150A	240	24	13	12	30	15	15	200A	4D	145
	200A	240	30	16	15	40	20	20	300A	9D	180

24 VOLT D.C. OUTPUT

MODEL	DC AMPERES	AC INPUT VOLTS	AMPS 120	AMPS 208	AMPS 240	PROTECTION INPUT 120	PROTECTION INPUT 208	PROTECTION INPUT 240	PROTECTION OUTPUT	CASE NO.	APPROX. WEIGHT
	10A	120	4	—	—	5	—	—	15A	39	52
	12A	120	5	—	—	7.5	—	—	15A	39	54
	15A	120	5	—	—	7.5	—	—	25A	39	55
	20A	120	7	—	—	10	—	—	30A	39	64
	25A	120 208 240	8	5	4	15	7.5	7.5	40A	4D	89
	30A	120 208 240	11	6	6	15	7.5	7.5	40A	4D	115
	50A	120 208 240	16	9	8	30	15	15	80A	4D	130
	75A	120 208 240	24	15	12	40	20	20	100A	4D	145
	100A	120 208 240	29	16	14	40	20	20	130A	9D	180
	150A	120 208 240	48	27	24	60	30	30	200A	9D	280
	200A	120 208 240	60	32	30	80	40	40	300A	9D	310

48 VOLT D.C. OUTPUT

MODEL	DC AMPERES	AC INPUT VOLTS	AMPS 120	AMPS 208	AMPS 240	PROTECTION INPUT 120	PROTECTION INPUT 208	PROTECTION INPUT 240	PROTECTION OUTPUT	CASE NO.	APPROX. WEIGHT
	10A	120*	7	—	—	10	—	—	15A	39	64
	12A	120*	9	—	—	15	—	—	15A	39	70
	15A	120*	10	—	—	15	—	—	25A	4D	110
	20A	120 208 240	13	7	6	15	7.5	7.5	30A	4D	116
	25A	120 208 240	16	9	8	30	15	15	40A	4D	125
	30A	120 208 240	18	11	9	30	15	15	40A	4D	133
	50A	120 208 240	29	16	14	40	20	20	80A	4D	180
	75A	120 208 240	48	27	24	60	30	30	100A	9D	260
	100A	120 208 240	60	33	30	80	40	40	130A	9D	285
	150A	208 240	—	56	48	X	70	70	200A	72	528
	200	208 240	—	70	64	X	80	80	300A	72	572

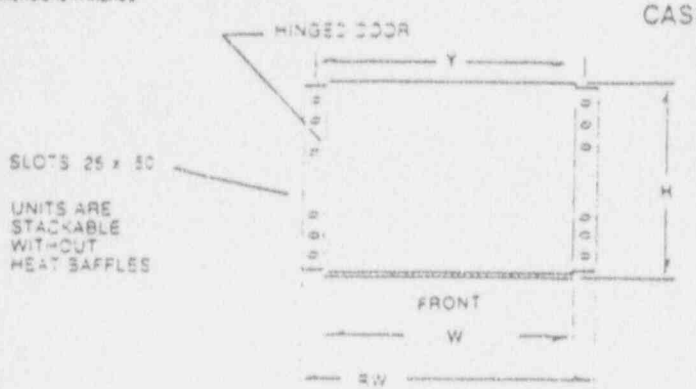
ALL MODELS LISTED IN THE TABLE ABOVE ARE AVAILABLE IN

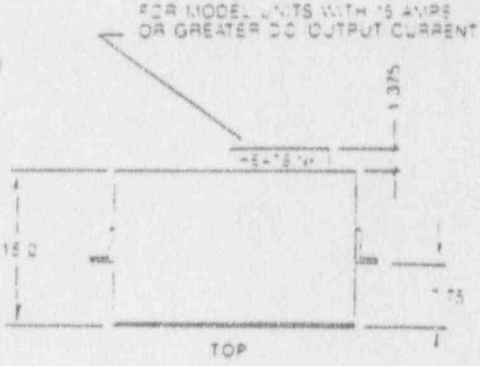
(*) 120 VAC INPUT STANDARD MULTI VOLTAGE INPUT AVAILABLE

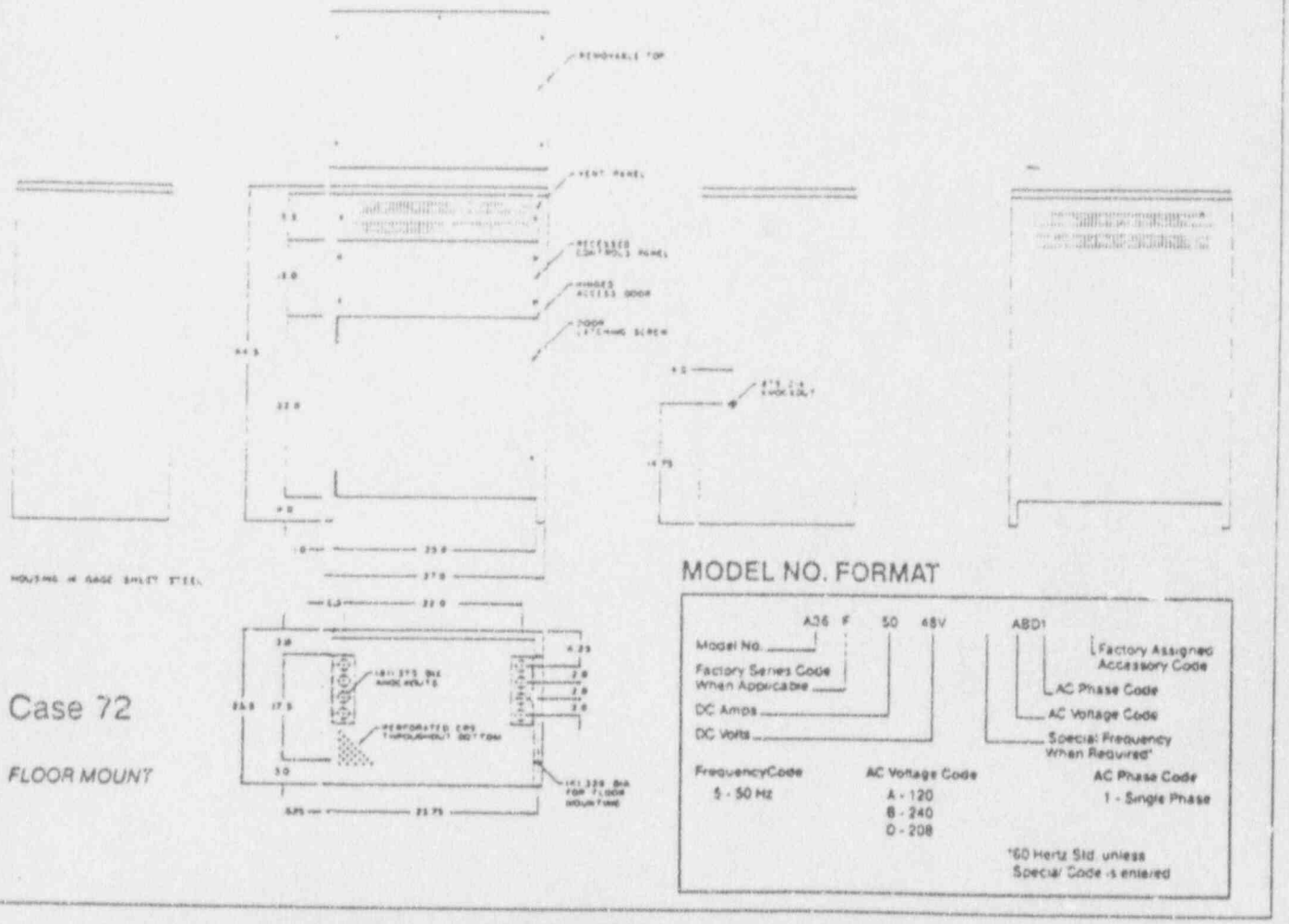
CASE	MTG	H	W	R.W	Y
3D	19" RACK	7.0	16.75	19.0	18.25
3D-23	23" RACK	7.0	16.75	23.0	22.25
4D	19" RACK	14.0	16.75	19.0	18.25
4D-23	23" RACK	14.0	16.75	23.0	22.25
9D	23" RACK	17.5	21.0	23.0	22.25
9D-30	23" RACK	17.5	21.0	30.0	28.25

All Dimensions in inches

CASE 4D, 9D & 39







Case 72

FLOOR MOUNT

MODEL NO. FORMAT

A36 F 50 48V ABD1

- Model No.
- Factory Series Code When Applicable
- DC Amps
- DC Volts
- Factory Assigned Accessory Code
- AC Phase Code
- AC Voltage Code
- Special Frequency When Required*

Frequency Code	AC Voltage Code	AC Phase Code
5 - 50 Hz	A - 120 B - 240 D - 208	1 - Single Phase

*60 Hertz Std. unless Special Code is entered

MODEL A31 SERIES

D.C. to A.C. Inverter
Sine Wave Output

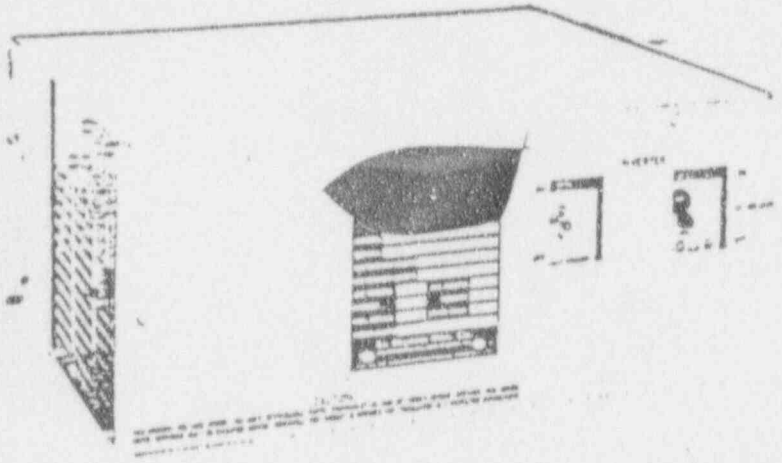
GENERAL DESCRIPTION

[redacted] inverter is designed for small computers, CRT's and printers.

The [redacted] are low cost, compact and supply a sine wave output. High reliability is provided by transistor switching and a ferroresonant transformer which has inherent voltage regulation, output filtering, and overload protection.

The [redacted] is self-protected for a.c.-d.c. shorts and undervoltage. Battery protection is supplied by low voltage shutdown and d.c. input fusing. An input reverse polarity indicator and input filter precharge circuit with indicator are provided as standard.

Typical applications for the [redacted] are: Telecommunications, burglar and fire alarm systems, Telemetering and Supervisory control, Nuclear and missile installations and Data processing point of sale terminals.



U.L. LISTED

DESIGN FEATURES

- Reliable, Ferroresonant Design
- Quartz Time Base
- Voltage Regulated and Current Limited
- Adjustable D.C. Undervoltage Turn-off
- Overload Protected
- Reverse Polarity Indicator/Filter Precharge Circuit
- Available for 24,48 and 120 VDC Batteries
- Inverter On/Off Switch
- A.C. Circuit Breaker
- 60 Hertz Operation (50 Hz Optional)
- Class H (180 C) Insulation
- Convection Cooled (5KVA is Fan Assisted)
- 32 DBRN 'c' Input Noise Filtering (24 and 48 VDC Only)
- Line Synchronization
- Reverse Polarity Protection

OPTIONAL ACCESSORIES

Code	Description
03J	2 ms. Static Switch (Fast) **
164	20 ms. Static Switch (Slow) Prime
165	20 ms. Static Switch (Slow) Standby
132	Inverter Available Relay (1 form "c")
	50 Hertz Output* Consult Factory
	240 VAC Output Consult Factory
06L	A.C. Ammeter (STD IKVA and Larger)
06M	A.C. Voltmeter (STD IKVA and Larger)
06C	D.C. Ammeter
06D	D.C. Voltmeter
	D.C. Breakers Consult Factory
	Isolated Duplex Receptacles

* May require larger case
** Available on IKVA and larger only

OUTPUT SPECIFICATIONS

A.C. Output Voltage: 120 Volts Nominal (240 Volts Optional)
Output Power: Rated Volt-Amps Continuous for Unity to .8 Lagging P.F.
Line Regulation: ±3% for over D.C. Battery Range
Load Regulation: ±4%.
Frequency: 60 Hertz (50 Hertz Optional)
Frequency Regulation: ±.05% (Quartz Clock)
Total Harmonic Distortion (THD): Approximately 5% at Nominal D.C. Input and Full Load. Less than 3% for any single harmonic
D.C. Undervoltage Shutdown: Adjustable
Current Limit: Approximately 150% of Rated Load. Protected by A.C. Breaker
Input: Reverse Polarity Protection Indicator/Filter Precharge Circuit. Protected by D.C. Fuse
D.C. Overvoltage Shutdown: Adjustable

D.C. TO A.C. Inverter Sine Wave Output

ISE

Less than 32 DBRN (c message weighted with a battery whose ampere-hour rating is at least 4 times the full load D.C. input current rating of the unit.

APPROXIMATE EFFICIENCY

24 volt models 70%-75%
48 volt models 85%-90%
120 volt models 85%-90%

ENVIRONMENTAL

Operating Temperature 0 to 50°C
Storage Temperature -20 to 60°C
Relative Humidity 0-95%
(noncondensing)
Cooling: Convection

LOAD CREST FACTOR

Will operate with load of crest factors up to 2.8.

BATTERY RANGES

24 volt nominal 21-29 VDC
48 volt nominal 42-58 VDC
120 volt nominal 105-145 VDC

TO ORDER SPECIFY:

1. A31.
2. Desired output power (VA).
3. Battery type and number of cells.
4. Output voltage and frequency.
5. Description of load.
6. Options.

CASE DIMENSIONS

Rack Case No.	Relay Rack Mount Width	Depth	Height
60A	19.23"	17.0"	5.25"
60B	19.23"	15.0"	7.0"
39	19.23"	15.0"	7.0"
33	23"	15.0"	10.5"
9D	23"	17.0"	17.5"
9E	23"	19.5"	17.5"

Case No.	Floor Mount Width	Depth	Height
F2	23.5"	27.0"	44.5"

* For different case or mounting requirements consult the factory

24 VDC INPUT VOLTAGE

Model Number	D.C. Input Amps N.L.	F.L.	A.C. Output VA	Volts	Amps	BTU Hr.	Case Size* Rack	Approx. Weight
	4	6.0	100	120	.83	145	60B	50 lbs.
	15	19.0	250	120	2.08	369	39	60 lbs.
	30	33.0	500	120	4.17	739	39	75 lbs.
	50	45.0	750	120	6.25	1108	33	90 lbs.
	60	60.0	1000	120	8.33	1478	33	120 lbs.
	80	90.0	1500	120	12.50	2200	9D	160 lbs.
	120	119.0	2000	120	16.67	2954	9D	175 lbs.

48 VDC INPUT VOLTAGE

Model Number	D.C. Input Amps N.L.	F.L.	A.C. Output VA	Volts	Amps	BTU Hr.	Case Size* Rack	Approx. Weight
	3	3.0	100	120	.83	115	60B	50 lbs.
	7	6.5	250	120	2.08	287	39	60 lbs.
	15	13.0	500	120	4.17	575	39	75 lbs.
	20	20.0	750	120	6.25	1108	33	80 lbs.
	30	26.0	1000	120	8.33	1149	33	90 lbs.
	40	39.0	1500	120	12.50	1600	9D	120 lbs.
	50	51.0	2000	120	16.67	1724	9D	175 lbs.
	80	77.0	3000	120	25.00	2558	9D	270 lbs.
	100	101.0	4000	120	33.33	3446	9E	310 lbs.
	130	127.0	5000	120	41.67	4310	9E	340 lbs.

120 VDC INPUT VOLTAGE

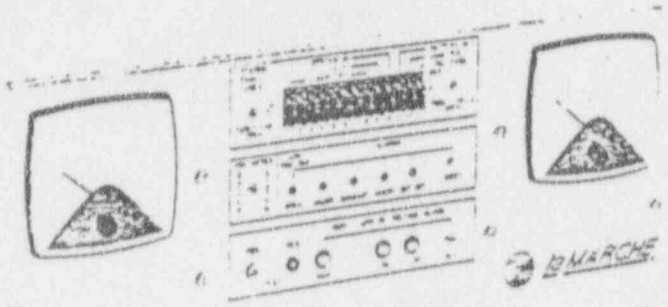
Model Number	D.C. Input Amps N.L.	F.L.	A.C. Output VA	Volts	Amps	BTU Hr.	Case Size* Rack	Approx. Weight
	3	1.0	100	120	.83	115	60B	50 lbs.
	5	3.0	250	120	2.08	287	39	60 lbs.
	7	5.0	500	120	4.17	575	39	75 lbs.
	8	7.5	750	120	6.25	1108	33	80 lbs.
	10	9.0	1000	120	8.33	1149	33	90 lbs.
	15	14.0	1500	120	12.50	1600	9D	120 lbs.
	20	18.0	2000	120	16.67	1724	9D	175 lbs.
	30	28.0	3000	120	25.00	2558	9D	270 lbs.
	40	36.0	4000	120	33.33	3446	9E	310 lbs.
	50	46.0	5000	120	41.67	4310	9E	340 lbs.
	70	69.0	7500	120	62.50	6465	F2**	600 lbs.
	90	90.0	10000	120	83.33	C.F.	C.F.**	C.F.

** Floor mount case only

Alarm Status Panel

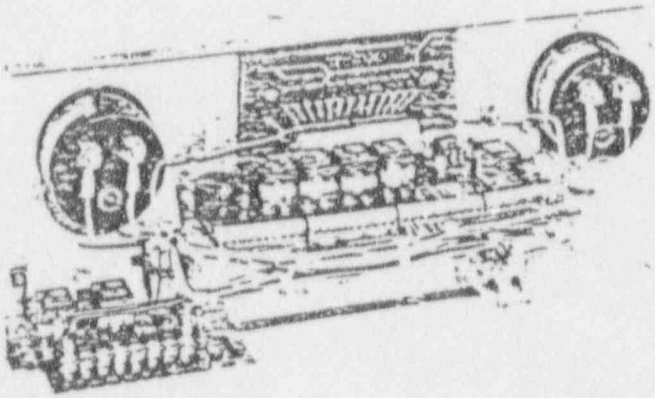
GENERAL DESCRIPTION

[redacted] alarm status panel monitors the status of the d.c. power system power distribution board, battery chargers and battery providing remote and local alarm indication when a failure occurs. A 0% d.c. ammeter measures the system load current while a 2% d.c. voltmeter measures either the battery or the system load voltage with a flip of a switch. Additionally, eight LED's provide visual indication of the system operation and form 'c' contacts provide customer remote alarming. A maximum of eight battery chargers can be connected to the status panel. Standard panels are available for either 19 or 23 inch rack mounting. The status panel features include: Hi/Low voltage alarm; Open d.c. protective device indication from the battery chargers; Battery charger sensing fuse; Battery charger failure (minor and major); Front panel LED diagnostics for local alarm and a fuse/breaker alarm.



LED INDICATORS

The LED local alarming lights provide an immediate visual indication of a major or minor alarm, summary alarm, open load fuse/breaker and a system alarm cut-off (ACO1). LED illumination occurs when the cut-off switch is activated for maintenance purposes.



Additionally, up to six separate alarm control inputs can be connected to the 'auxiliary summary' alarm terminal strip for summary alarm indication.

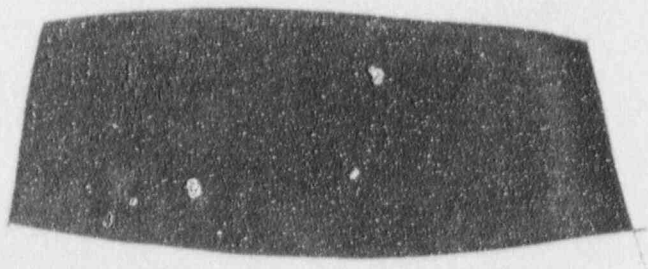
The charger "Minor Alarm" LED illuminates when one battery charger has failed. "Major Alarm" LED illuminates when two or more chargers have failed.

HIGH/LOW D.C. VOLTAGE ALARM

The High/Low d.c. voltage alarm circuit monitors the d.c. output voltage of the system and provides local and remote indication if the system voltage exceeds or falls below the preset levels. Test points on the front of the panel provide a means of checking the d.c. voltage, High/Low voltage alarm setting and monitors the circuit.

SENSING FUSES

Eight charger sensing fuses are provided with one fuse interconnected to each charger failure alarm circuit. The sensing fuse(s) will open in the event of a short to protect the circuitry of the chargers and the status panel.

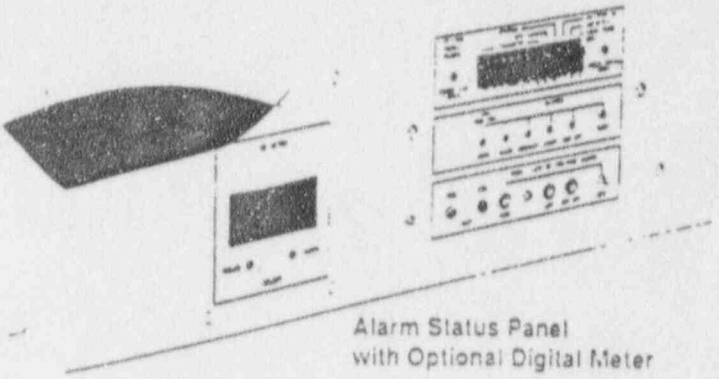


Also provided are five additional sensing fuses protecting the ammeter, voltmeter, load fuse/breaker sensing circuitry, system circuitry and auxiliary summary alarm.

REMOTE ALARMING

One set each of form 'c' contacts is provided for connection to remote customer alarm circuits for each of the following:

1. High Voltage Alarm
2. Low Voltage Alarm
3. Major Charger Failure
4. Minor Charger Failure
5. Fuse/Breaker Disconnect
6. Summary



Alarm Status Panel
with Optional Digital Meter

ALARM PANEL

Model Number	Rack Width	Rated Current	Rated Voltage	Ground	Rack Height*
	19"	100A	24V	Pos.	12.25"
	23"	100A	24V	Pos.	12.25"
	19"	200A	24V	Pos.	12.25"
	23"	200A	24V	Pos.	12.25"
	19"	400A	24V	Pos.	12.25"
	23"	400A	24V	Pos.	12.25"
	23"	600A	24V	Pos.	12.25"
	23"	800A	24V	Pos.	12.25"
	19"	100A	48V	Pos.	12.25"
	23"	100A	48V	Pos.	12.25"
	19"	200A	48V	Pos.	12.25"
	23"	200A	48V	Pos.	12.25"
	19"	400A	48V	Pos.	12.25"
	23"	400A	48V	Pos.	12.25"
	23"	600A	48V	Pos.	12.25"
	23"	800A	48V	Pos.	12.25"
	23"	1200A	48V	Pos.	12.25"

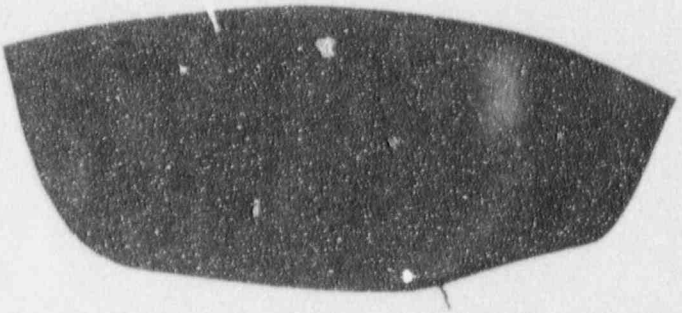
*Overall height includes separate ammeter shunt panel (5.25 inches high) and is included when standard alarm panel model is ordered.

AVAILABLE OPTIONS

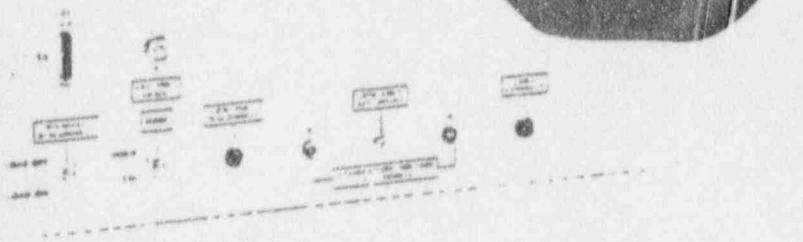
The following options are available. Please consult the factory for further information.

1. Negative ground wiring
2. Audible alarm device
3. 1% meter
4. Switch selectable digital d.c. amp/volt meter.

Note:
Status panel is designed to operate with Model [redacted] battery charger/eliminator. When used with Model [redacted] battery chargers an option needs to be included on the charger for proper system operation.



Low Voltage Disconnect Panel



GENERAL DESCRIPTION

Low voltage disconnect panels automatically disconnect the load from the battery by means of a panel mounted contactor whenever the battery voltage drops to a preset level. The load is reconnected automatically when the battery voltage returns to the desired voltage.

Two red LED lights indicate whether the load is connected or disconnected. A manual disconnect switch and a mode switch are provided. The manual disconnect switch provides a manual method of disconnecting the load. The mode switch has two positions: normal and calibrate. In the calibrate position two front mounted potentiometers and d.c. voltage calibration terminals allow the checking and adjusting of the low voltage set point without disconnecting the load from the battery.

Remote customer alarm is provided for by a set of form "c" contacts. A fuse alarm terminal is supplied. Panel height is 5-1/4 inches. (3 rack units)

MODEL NUMBER NOMENCLATURE

LD 19 - 50 - 24V

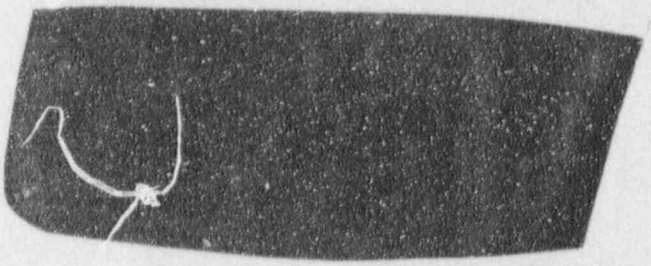
- LD — LOAD Disconnect
- 19 — Panel Width (in inches)
- 50 — Current Rating
- 24V — System Voltage

23 INCH PANELS

Model Number	Panel Width	Ampere Rating	D.C. Voltage
	23"	50	24
	23"	50	48
	23"	100	24
	23"	100	48
	23"	200	24
	23"	200	48
	23"	400	24
	23"	400	48
	23"	600	48
	23"	800	48
	23"	1200	48

19 INCH PANELS

Model Number	Panel Width	Ampere Rating	D.C. Voltage
	19"	50	24
	19"	50	48
	19"	100	24
	19"	100	48
	19"	200	24
	19"	200	48
	19"	400	24
	19"	400	48

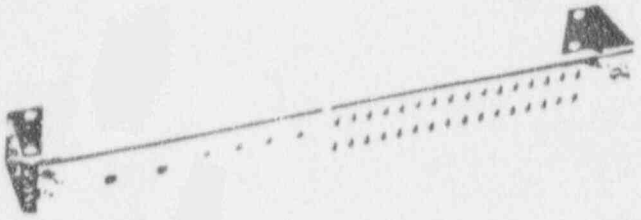


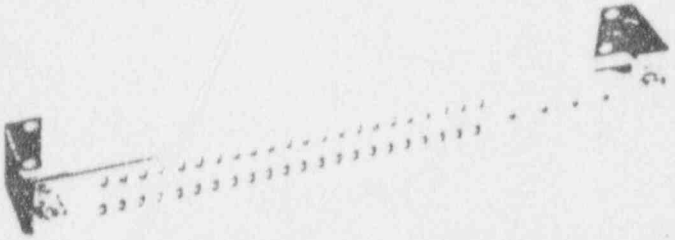
8901-LVTC1018

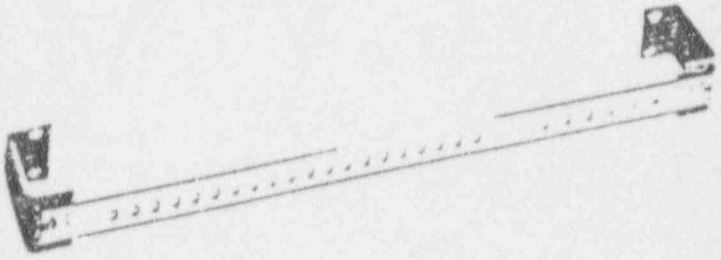
Termination Buss and Lugs

GENERAL DESCRIPTION

[redacted] termination buss bars provide a convenient means of system ground or lead connections. These buss bars have insulated standoffs to electrically isolate them from the rack. Each bar is made of solid copper sized to handle its rated current and is available in either 19 or 23 inch relay rack mount. Termination buss bars can be provided with various quantities and sizes of solderless lugs. Split buss and termination bars for NEMA 2 hole lugs are also available.







MODEL NUMBER NOMENCLATURE

GB · 23 · 600

- GB — Ground Bar
- 23 — Panel Width (in inches)
- 600 — Current Rating

TERMINATION BUSS

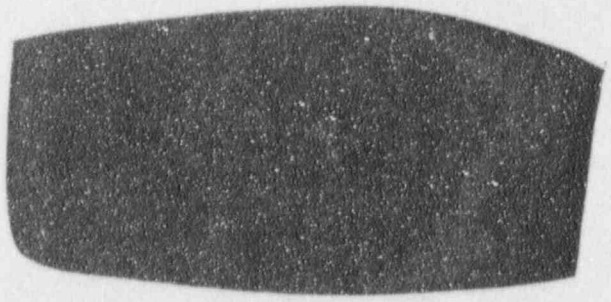
Model Number	Panel Width	Current Rating	Lug Kit Available
[redacted]	19"	100	None
	23"	100	None
	19"	200	1 thru 5
	23"	200	1 thru 5
	19"	400	1 thru 8
	23"	600	1 thru 8
	19"	800	1 thru 8
	23"	800	1 thru 8
	19"	800	1 thru 8
	23"	800	1 thru 8

SOLDERLESS MECHANICAL LUGS

Model	Description
P7LUG-P969-6	14GA-4GA
P7LUG-P969-7	10GA-1/0
P7LUG-P969-5	6GA-300MCM
P7LUG-P969-1	4/0-600MCM

LUG KIT DESCRIPTIONS

Lug Kit No.	Quantity of Lugs Per Kit			
	P969-6	P969-7	P969-5	P969-1
[redacted]	20	7		
		10		
	20		4	
	20	5	4	
		10	4	
	20		4	2
		10	4	2
		5	4	2



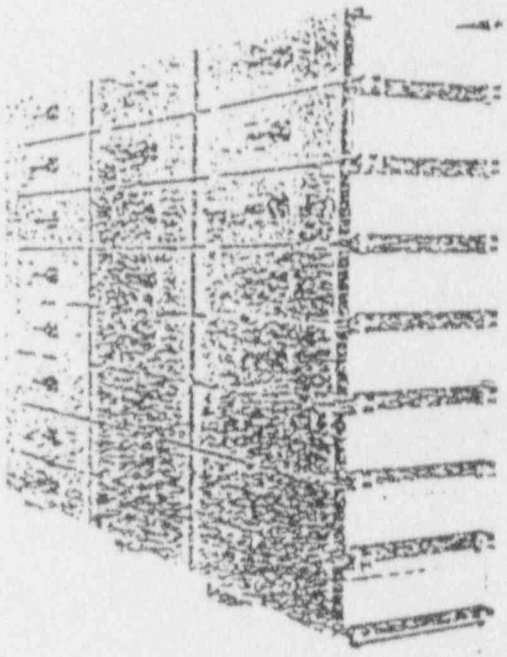
SEALED VALVE REGULATED 85A
20 YEAR LIFE EXPECTANCY
28% L.O.I. JAR and COVER – OPTIONAL

CAPACITIES — 520 to
4150AH
@ 8 Hour Rate to
1.75 V.P.C. Average

Completely sealed valve regulated battery incorporating GNB's patented* ABSOLYTE Technology. For all stationary applications including:

- Telecommunications
- Uninterruptible Power Systems
- Switchgear
- Control
- Cellular Radio
- Photovoltaics
- Wind Power

(U.S. Patent 4,401,730)



INNOVATIVE FEATURES

Sealed

- Never requires watering
- Spillproof and leakproof
- No gases escape during normal charging
- Explosion resistant
- Operates at low internal pressure
- Increased safety
- Operates in horizontal position

Immobilized Electrolyte

- Extended partial state of charge operation
- Freezing tolerated
- Accepts high rate charging
- No scheduled equalization required

Patented Hybrid Alloy

- Deep Cycle Capability
- Low self discharge rate
- Long life – 20 years in float service
- Fully recyclable

Modular Steel Tray

- Easy On-site assembly
- Cell replacement capability
- Stackable – horizontal
- Standard unit meets Seismic Zone 4 requirements

CELL SPECIFICATIONS

Container and Cover — Polypropylene - Standard — 28% Limiting Oxygen Index Plastic - Optional

Separators — Spun Glass, Microporous Matrix

Safety Vent — 6, ±3 PSI Self-Resealing (Patented)

Life — 20 Years at Full Float at 77°F

Float Voltage — 2.25-2.28 VPC @ 77°F

Self Discharge — 0.5 - 1.0%/Week Maximum @ 77°F

Terminals — Integral solid copper core

Positive Plate — Patented MFX Alloy

Negative Plate — Lead Calcium

MODULE SPECIFICATIONS FOR [redacted] BATTERIES

MODULE TYPE	VOLTS	NOM AH CAP	STACKING DIMENSIONS						UNPACKED WEIGHT		DOMESTIC PACKED WEIGHT	
			LENGTH		*WIDTH OR HEIGHT		**DEPTH					
			IN	MM	IN	MM	IN	MM	LBS	KGS	LBS	KGS
TYPE [redacted]												
	6	[redacted]										
	6	[redacted]										
	6	[redacted]										
	6	[redacted]										
	6	[redacted]										
	6	[redacted]										
	6	[redacted]										
	6	[redacted]										
	6	[redacted]										
	6	[redacted]										
	6	[redacted]										
TYPE BSA												
	2	[redacted]										
	2	[redacted]										
	2	[redacted]										
	2	[redacted]										
	2	[redacted]										
	2	[redacted]										
	2	[redacted]										
	2	[redacted]										
	2	[redacted]										
	2	[redacted]										
	2	[redacted]										

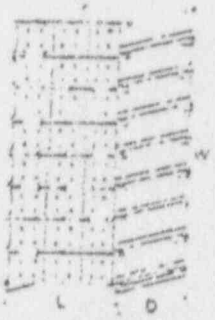
*ADD 4 INCHES FOR BOTTOM "I" BEAM SUPPORTS FOR TOTAL STACK HEIGHT
**INCLUDES 3 INCHES ADDITIONAL FOR MODULE COVER ASSEMBLY

PERFORMANCE DATA

Amperes to 1.75 V.P.C. avg. at 77°F (25°C)

TYPE [redacted]	8 Hr	5 Hr	4 Hr	3 Hr	2 Hr	1.2 Hr	1 Hr
	[redacted]						
TYPE [redacted]							
	[redacted]						

ASSEMBLY CONFIGURATION



HORIZONTAL STACK ASSEMBLY

Depth is overall including module cover assembly. Add 4" for bottom "I" beam supports to determine total height (width) of assembled horizontal stack.

Note: Design and/or specifications subject to change without notice. If questions arise, contact your local sales representative for clarification.

SYSTEM SPECIFICATIONS

Conferencing Lines	72 max
Simultaneous Conferences	10 max
Communication Cards	
Number of ports per card	4
2-wire interface	Loop start
4-wire interface	E&M (I,V)
Crosstalk, line to line	Less than -80dB
Crosstalk, conferences	Less than -80dB
Idle channel noise	Less than 30dBrnC0
Transmit Level	-9dBm max
AGC range for full output:	
2-wire	-16.3 to -28.5 (dependent on site E.R.L.)
4-wire	-3.0 to -16.0 (dependent on site E.R.L.)
Termination	600Ω
2-wire line balance	500Ω to 1200Ω
2-wire line current	20ma min

INTERFACE CONNECTIONS

2-wire	USOC RJ21X
4-wire	USOC RJ2GX

POWER REQUIREMENTS

Common Equipment	
Standard	120 VAC nominal 90-132VAC oper. 47-63Hz 500VA max
Monochrome Terminal	120VAC normal 90-132VAC oper 60Hz 35VA
Color Terminal	120VAC normal 90-132VAC oper 60Hz 180VA

AGENCY APPROVAL

FCC Registration Number	E1657U-14721-BR-N
Ringer Equivalence	1.1B
Operator Terminals	FCC Class B Registered

ENVIRONMENTAL

Temperature		
Common Equipment		
Operating	50° to 95°F	10° to 34°C
Storage	-30° to 140°F	-34° to 58C
Operator Terminals		
Operating	50° to 104°F	10° to 40°C
Storage	-40° to 140°F	-40° to 58°C
Relative Humidity	20% to 80% (non-condensing)	
Altitude		
Operating	0 to 10,000ft.	
Non-operating	0 to 35,000ft.	

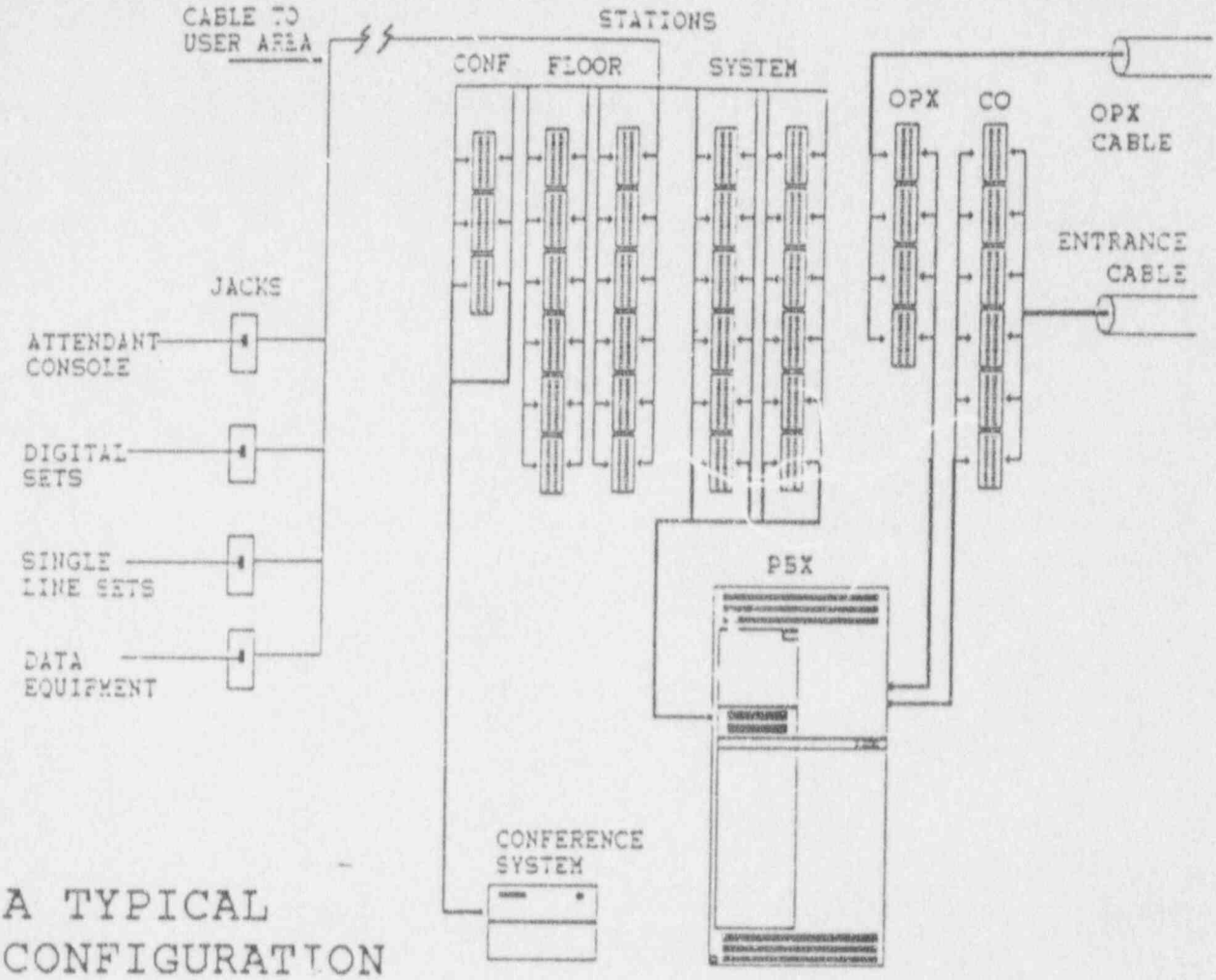
PHYSICAL STATISTICS

Dimensions	Height	Depth	Width
[redacted]			
Common Equipment	10.47"	21.75"	16.97"
	26.59cm	55.25cm	43.10cm
Operator Terminal	12.75"	13.00"	12.50"
	32.39cm	33.02cm	31.75cm
Keyboard	1.40"	5.60"	17.60"
	3.56cm	14.22cm	44.70cm
[redacted]			
Common Equipment	17.55"	21.87"	16.97"
	44.58cm	55.55cm	43.10cm
Operator Terminal	12.75"	13.00"	12.50"
	32.39cm	33.02cm	31.75cm
Keyboard	2.25"	7.60"	17.25"
	5.72cm	19.30cm	43.82cm
Operator Interface Module	3.59"	12.00"	9.62"
	9.12cm	30.48cm	24.43cm
Weight(Approx)***			
Common Equipment		65.0lbs	29.5kg
Keyboard		2.6lbs	1.2kg
Operator Terminal		19.0lbs	8.6kg

NOTES: * Capability and price depend on configuration ordered.

** [redacted] backup is available to provide overflow support and for backup in emergencies. It may not offer the full range of features available on your [redacted] system. Emergency backup service is limited to warranty and service contract customers.

*** Depends on system configuration – call for details

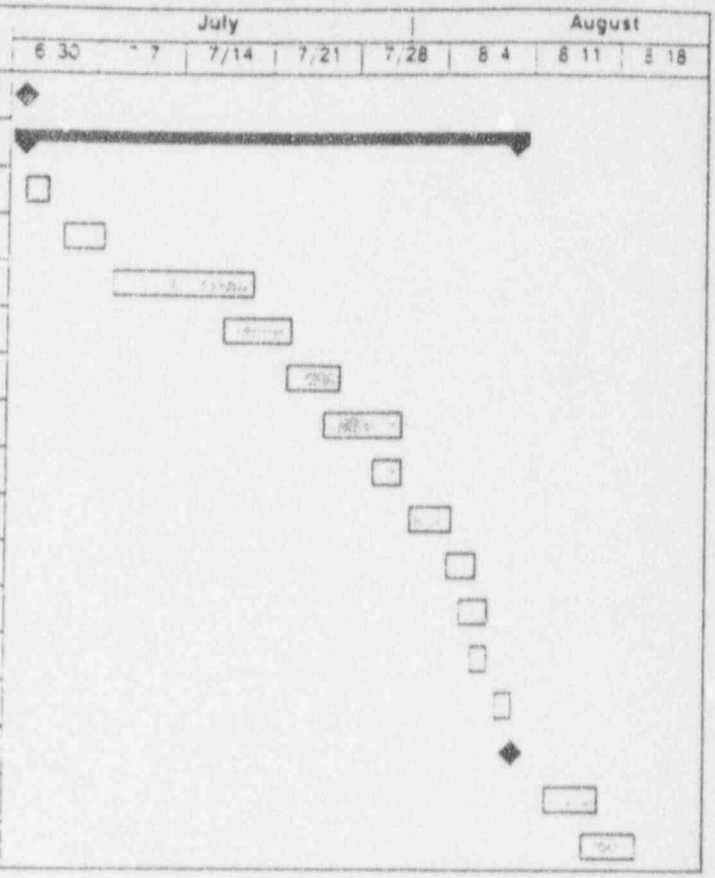


A TYPICAL
CONFIGURATION

ID	Name	Duration	Scheduled Start	Scheduled Finish	Predecessors
1	Begin SYSTEM Installation	0ed	7/1/91 8:00am	7/1/91 8:00am	
3	Site Survey - Any Site	1.83ed	7/1/91 9:00am	7/3/91 5:00pm	
4	Initial Program written	3.38ed	7/4/91 8:00am	7/7/91 5:00pm	3
5	Begin Station Cabling	25.38ed	7/5/91 8:00am	7/30/91 5:00pm	4
6	Begin CO MDF Cabling	4.33ed	7/29/91 9:00am	8/2/91 5:00pm	5
7	Station Cable Testing	9.38ed	7/30/91 8:00am	8/8/91 5:00pm	6
8	Begin Switch Install	12.38ed	8/7/91 8:00am	8/19/91 5:00pm	7
9	Switch Programming	2.38ed	8/19/91 8:00am	8/21/91 5:00pm	8
10	Station Placement and Verific	3.38ed	8/19/91 8:00am	8/22/91 5:00pm	9
11	Complete system Testing	3.38ed	8/22/91 8:00am	8/25/91 5:00pm	
12	CUTOVER SWITCH	0ed	8/26/91 5:00pm	8/26/91 5:00pm	
13	Operational Verification	7.38ed	8/27/91 8:00am	9/3/91 5:00pm	
14	De-Install Old Equipment	4.38ed	9/3/91 8:00am	9/7/91 5:00pm	

ID	Name	Duration	Scheduled Start	Scheduled Finish	Predecessors
1	Begin SYSTEM installation	0ed	7/1/91 8:00am	7/1/91 8:00am	
3	Site Survey - Any Site	1.83ed	7/1/91 9:00am	7/3/91 5:00pm	
4	Initial Program written	3.38ed	7/4/91 8:00am	7/7/91 5:00pm	3
5	Begin Station Cabling	11.38ed	7/8/91 8:00am	7/19/91 5:00pm	4
6	Begin CO MDF Cabling	5.33ed	7/17/91 9:00am	7/22/91 5:00pm	5
7	Station Cable Testing	4.38ed	7/22/91 8:00am	7/26/91 5:00pm	6
8	Begin Switch Install	6.38ed	7/25/91 8:00am	7/31/91 5:00pm	7
9	Begin Confer. System Install	2.38ed	7/29/91 8:00am	7/31/91 5:00pm	8
10	Switch Programming	3.38ed	8/1/91 8:00am	8/4/91 5:00pm	9
11	Station Placement and Verific	2.38ed	8/4/91 8:00am	8/6/91 5:00pm	10
12	Initial Switch Testing	2.38ed	8/5/91 8:00am	8/7/91 5:00pm	11
13	Inital Conf Sys. Test	1.38ed	8/6/91 8:00am	8/7/91 5:00pm	12
14	Complete system Testing	1.38ed	8/8/91 8:00am	8/9/91 5:00pm	13
15	CUTOVER SWITCH	0ed	8/9/91 5:00pm	8/9/91 5:00pm	
16	Operational Verification	4.38ed	8/12/91 8:00am	8/16/91 5:00pm	
17	De-Install Old Equipment	4.38ed	8/15/91 8:00am	8/19/91 5:00pm	

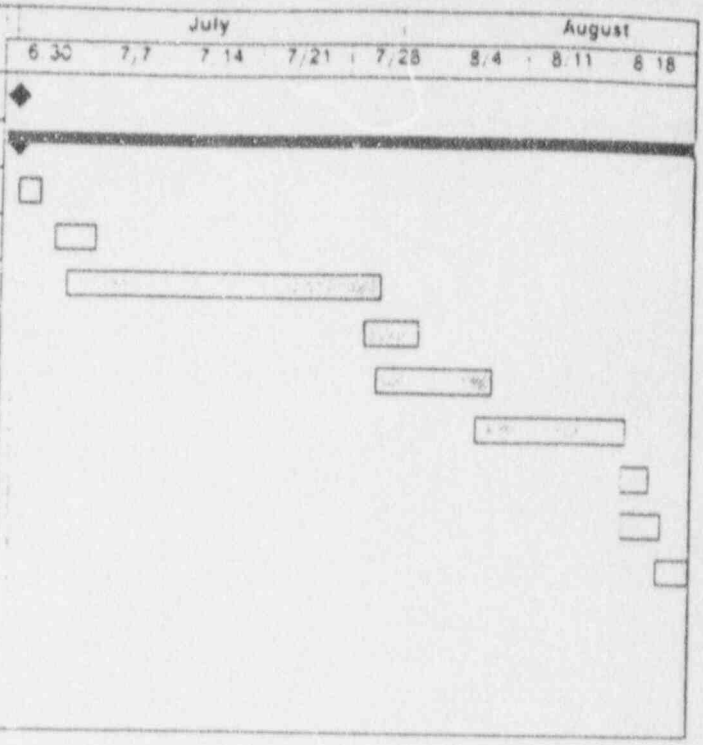
ID	Name	Duration	Scheduled Start
1	Begin SYSTEM installation	0ed	7/1/91 8:00am
2	Pre-Cutover Process	39.33ed	7/1/91 9:00am
3	Site Survey - Any Site	1.83ed	7/1/91 9:00am
4	Initial Program written	3.38ed	7/4/91 8:00am
5	Begin Station Cabling	11.38ed	7/8/91 8:00am
6	Begin CO MDF Cabling	5.33ed	7/17/91 9:00am
7	Station Cable Testing	4.38ed	7/22/91 8:00am
8	Begin Switch Install	6.38ed	7/25/91 8:00am
9	Begin Confer. System Install	2.38ed	7/29/91 8:00am
10	Switch Programming	3.38ed	8/1/91 8:00am
11	Station Placement and Verific	2.38ed	8/4/91 8:00am
12	Initial Switch Testing	2.38ed	8/5/91 8:00am
13	Inital Conf Sys. Test	1.38ed	8/6/91 8:00am
14	Complete system Testing	1.38ed	8/8/91 8:00am
15	CUTOVER SWITCH	0ed	8/9/91 5:00pm
16	Operational Verification	4.38ed	8/12/91 8:00am
17	De-Install Old Equipment	4.38ed	8/15/91 8:00am



Project: NRCOC
Date: 5/2/91

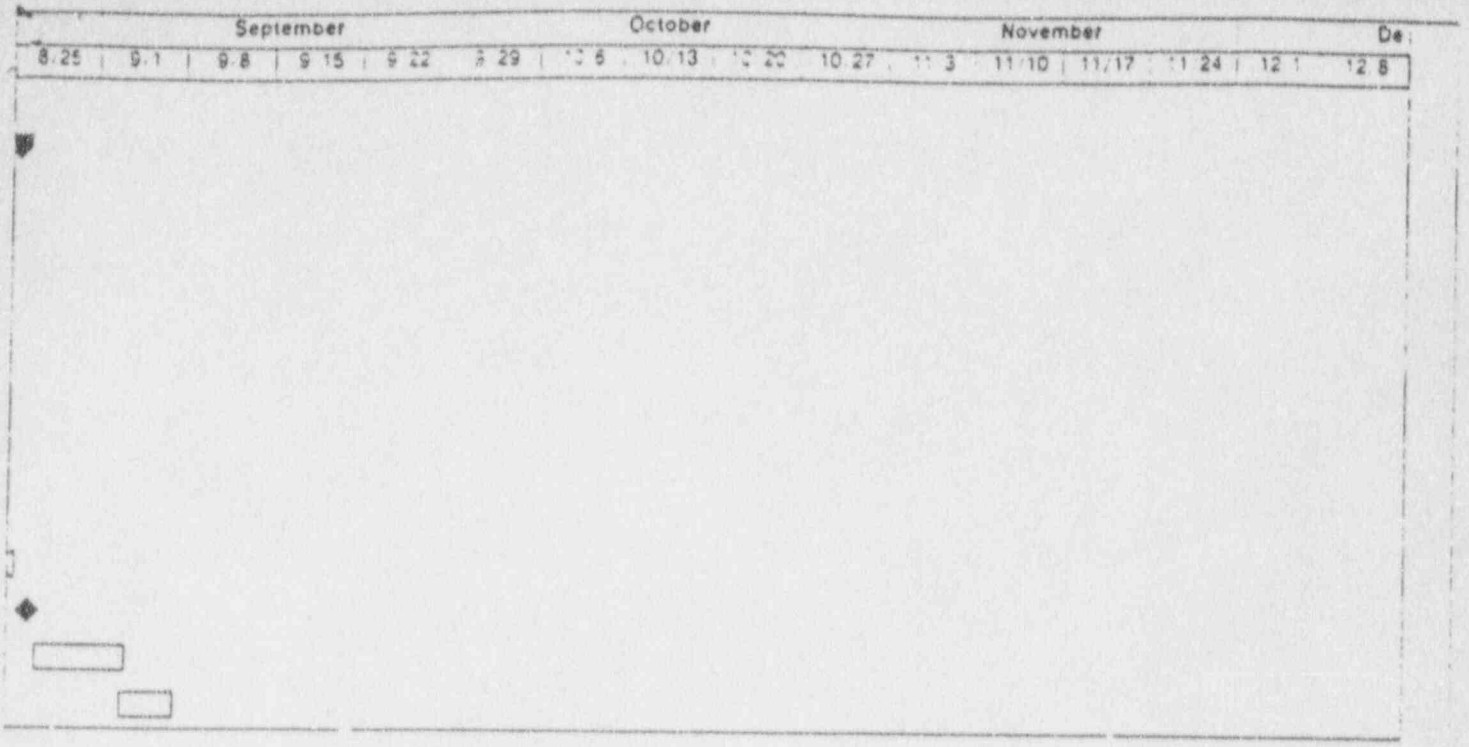
Critical
Noncritical
Progress
Milestone
Summary

ID	Name	Duration	Scheduled Start
1	Begin SYSTEM installation	0ed	7/1 91 8:00am
2	Pre-Cutover Process	55.33ed	7/1 91 9:00am
3	Site Survey - Any Site	1.83ed	7/1/91 9:00am
4	Initial Program written	3.38ed	7/4 91 8:00am
5	Begin Station Cabling	25.38ed	7/5 91 8:00am
6	Begin CO MDF Cabling	4.33ed	7/29 91 9:00am
7	Station Cable Testing	9.38ed	7/30 91 8:00am
8	Begin Switch Install	12.38ed	8/7 91 8:00am
9	Switch Programming	2.38ed	8/19 91 8:00am
10	Station Placement and Vertic	3.38ed	8/19 91 8:00am
11	Complete system Testing	3.38ed	8/22 91 8:00am
12	CUTOVER SWITCH	0ed	8/26 91 5:00pm
13	Operational Verification	7.38ed	8/27 91 8:00am
14	De-install Old Equipment	4.38ed	9/3 91 8:00am



Project: NRCREG I
Date: 5/3/91

Critical
Noncritical
Progress
Milestone
Summary

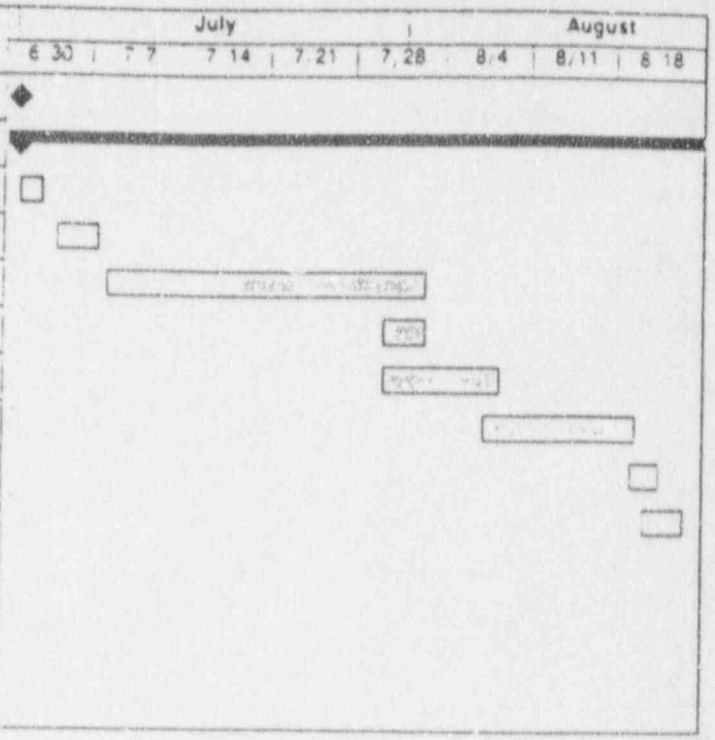


Project: NRCREG I
Date: 5/3/91

Critical
Noncritical
Progress
Milestone
Summary

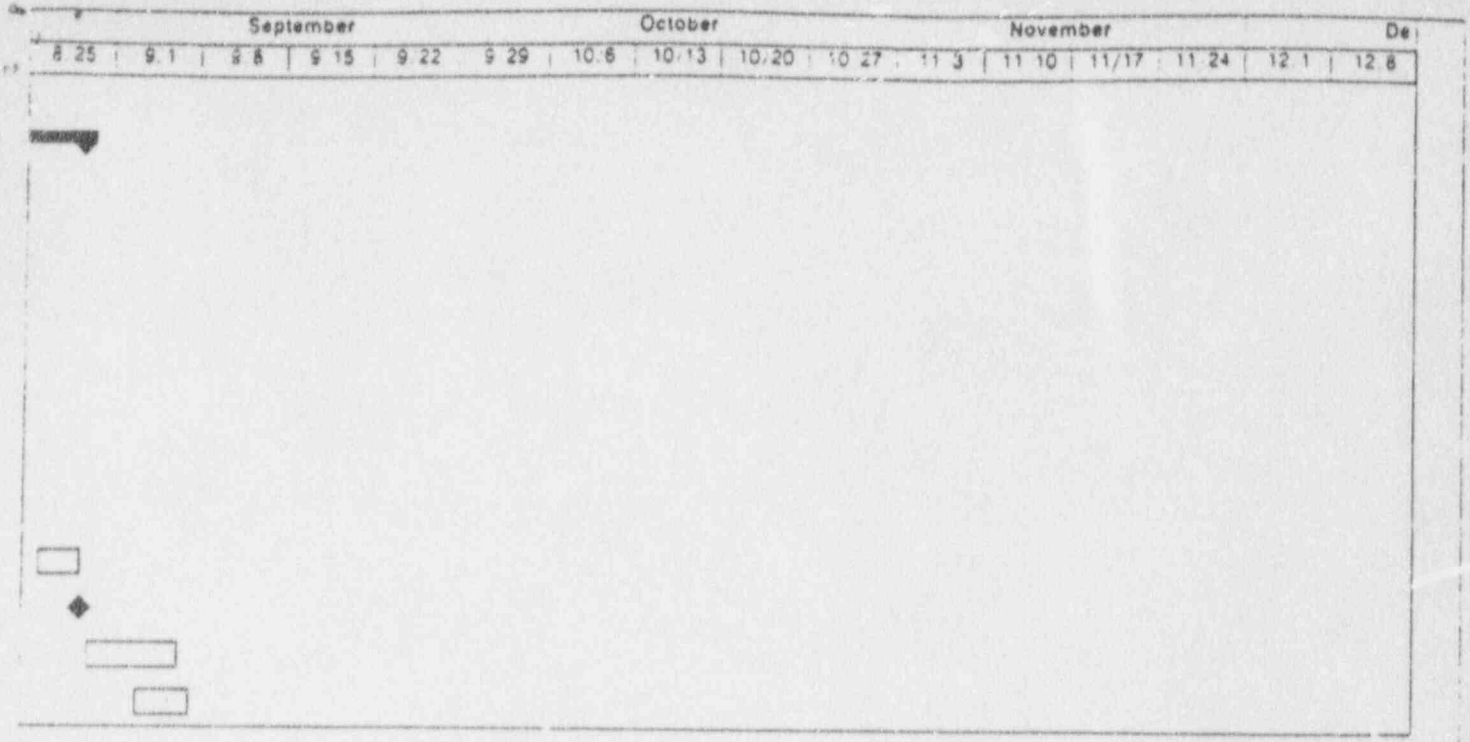
ID	Name	Duration	Scheduled Start	Scheduled Finish	Predecessors
1	Begin SYSTEM Installation	0ed	7/1/91 8:00am	7/1/91 8:00am	
3	Site Survey - Any Site	1.83ed	7/1/91 9:00am	7/3/91 5:00am	
4	Initial Program written	3.38ed	7/4/91 8:00am	7/7/91 5:00pm	3
5	Begin Station Cabling	25.38ed	7/8/91 8:00am	8/12/91 5:00pm	4
6	Begin CO MDF Cabling	3.33ed	7/30/91 9:00am	8/2/91 5:00pm	5
7	Station Cable Testing	9.38ed	7/30/91 8:00am	8/8/91 5:00pm	6
8	Begin Switch Install	12.38ed	8/7/91 8:00am	8/19/91 5:00pm	7
9	Switch Programming	2.38ed	8/19/91 8:00am	8/21/91 5:00pm	8
10	Station Placement and Verific	3.38ed	8/20/91 8:00am	8/23/91 5:00pm	9
11	Complete system Testing	3.38ed	8/26/91 8:00am	8/29/91 5:00pm	
12	CUTOVER SWITCH	0ed	8/29/91 5:00pm	8/29/91 5:00pm	
13	Operational Verfication	7.38ed	8/30/91 8:00am	9/9/91 5:00pm	
14	De-Install Old Equipment	4.38ed	9/3/91 8:00am	9/7/91 5:00pm	

ID	Name	Duration	Scheduled Start
1	Begin SYSTEM installation	0ed	7/1/91 8:00am
2	Pre-Cutover Process	59.33ed	7/1/91 9:00am
3	Site Survey - Any Site	1.83ed	7/1/91 9:00am
4	Initial Program written	3.38ed	7/4/91 8:00am
5	Begin Station Cabling	25.38ed	7/8/91 8:00am
6	Begin CO MDF Cabling	3.33ed	7/30/91 9:00am
	Station Cable Testing	9.38ed	7/30/91 8:00am
8	Begin Switch Install	12.38ed	8/7/91 8:00am
9	Switch Programming	2.38ed	8/19/91 8:00am
10	Station Placement and Verific	3.38ed	8/20/91 8:00am
11	Complete system Testing	3.38ed	8/26/91 8:00am
12	CUTOVER SWITCH	0ed	8/29/91 5:00pm
13	Operational Verification	7.38ed	8/30/91 8:00am
14	De-install Old Equipment	1.38ed	9/3/91 8:00am



Project: NRCREGIII
Date: 5/2/91

Critical
Noncritical
Progress
Milestone
Summary

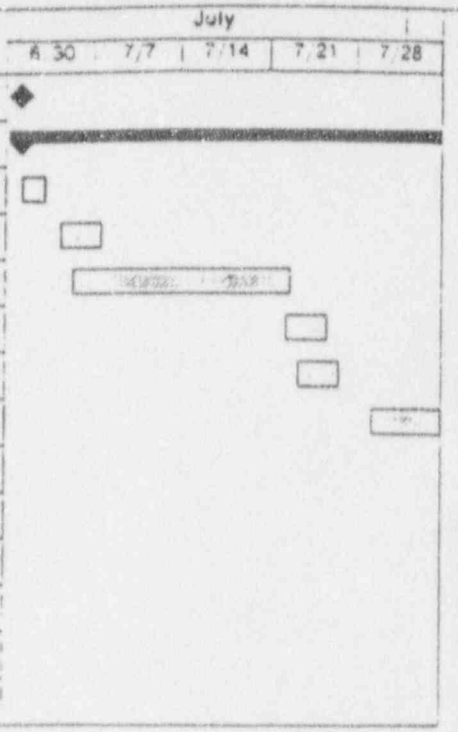


Project: NRCREGIII
Date: 5/2/91

Critical
Noncritical
Progress
Milestone
Summary

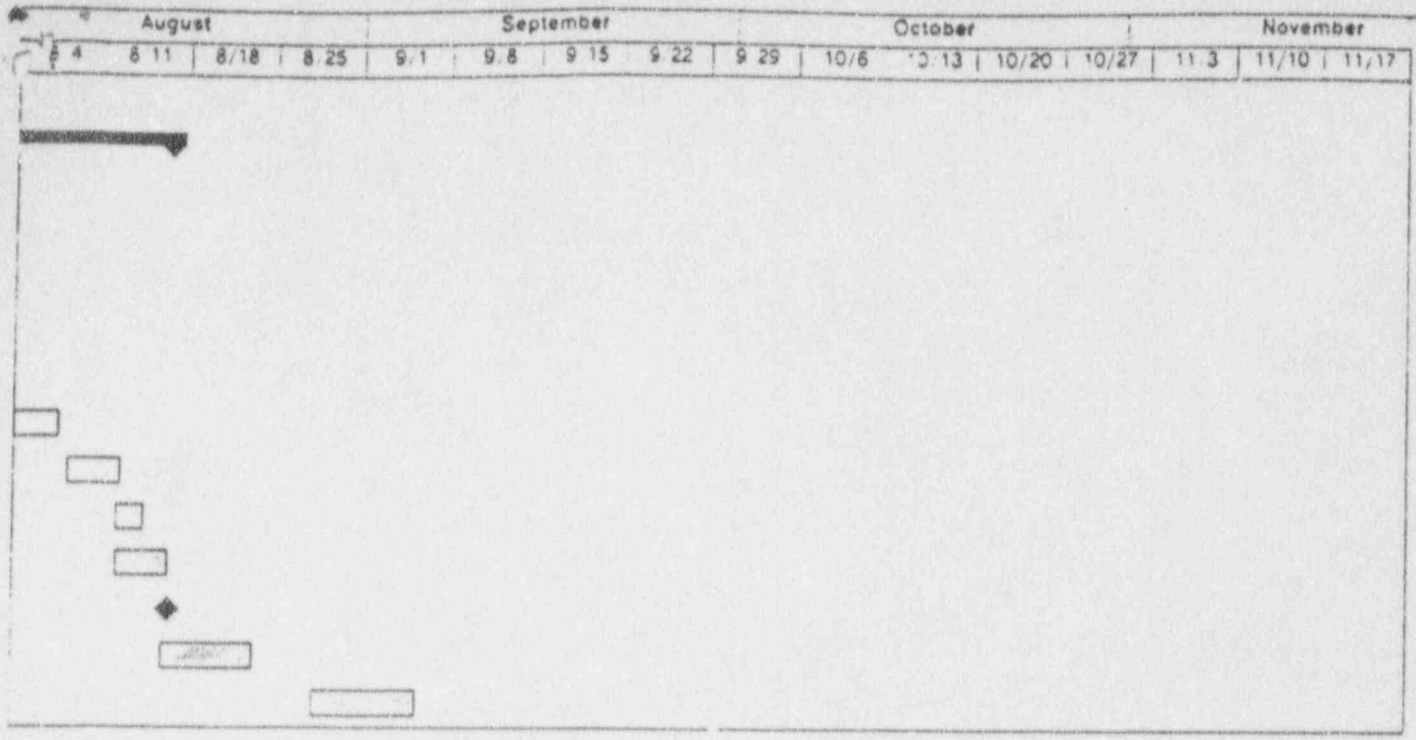
ID	Name	Duration	Scheduled Start	Scheduled Finish	Predecessors
1	Begin SYSTEM Installation	0ed	7/1/91 8:00am	7/1/91 8:00am	
3	Site Survey - Any Site	1.83ed	7/1/91 9:00am	7/3/91 5:00am	
4	Initial Program written	3.38ed	7/4/91 8:00am	7/7/91 5:00pm	3
5	Begin Station Cabling	17.38ed	7/5/91 8:00am	7/22/91 5:00pm	4
6	Begin CO MDF Cabling	3.33ed	7/22/91 9:00am	7/25/91 5:00pm	5
7	Station Cable Testing	3.38ed	7/23/91 8:00am	7/26/91 5:00pm	6
8	Begin Switch Install	9.38ed	7/29/91 8:00am	8/7/91 5:00pm	7
9	Switch Programming	4.38ed	8/8/91 8:00am	8/12/91 5:00pm	8
10	Station Placement and Verific	2.38ed	8/12/91 8:00am	8/14/91 5:00pm	9
11	Complete system Testing	4.38ed	8/12/91 8:00am	8/16/91 5:00pm	
12	CUTOVER SWITCH	0ed	8/16/91 5:00pm	8/16/91 5:00pm	
13	Operational Verification	7.38ed	8/16/91 5:00am	8/23/91 2:00pm	
14	De-Install Old Equipment	8.38ed	8/28/91 8:00am	9/5/91 5:00pm	

ID	Name	Duration	Scheduled Start	Scheduled Finish
1	Begin SYSTEM Installation	0ed	7/1/91 8:00am	7/1/91 8:00am
2	Pre-Cutover Process	46.33ed	7/1/91 9:00am	8/16/91 5:00pm
3	Site Survey - Any Site	1.83ed	7/1/91 9:00am	7/3/91 5:00am
4	Initial Program written	3.38ed	7/4/91 8:00am	7/7/91 5:00pm
5	Begin Station Cabling	17.38ed	7/5/91 8:00am	7/22/91 5:00pm
6	Begin CO MDF Cabling	3.33ed	7/22/91 9:00am	7/25/91 5:00pm
7	Station Cable Testing	3.38ed	7/23/91 8:00am	7/26/91 5:00pm
8	Begin Switch Install	9.38ed	7/29/91 8:00am	8/7/91 5:00pm
9	Switch Programming	4.38ed	8/8/91 8:00am	8/12/91 5:00pm
10	Station Placement and Verific	2.38ed	8/12/91 8:00am	8/14/91 5:00pm
11	Complete system Testing	4.38ed	8/12/91 8:00am	8/16/91 5:00pm
12	CUTOVER SWITCH	0ed	8/16/91 5:00pm	8/16/91 5:00pm
13	Operational Verification	7.38ed	8/16/91 5:00am	8/23/91 2:00pm
14	De-install Old Equipment	8.38ed	8/28/91 8:00am	9/5/91 5:00pm



Project: NRCREG V
Date: 5/3/91

Critical
Noncritical
Progress
Milestone
Summary



Project: NRCREG V
Date: 5/3/91

Critical
Noncritical
Progress
Milestone
Summary

SOLICITATION: RS-IRM-90-215
CONFIGURATION WORKSHEET
COLUMN A - REGION/LOCATION * NRCOC: Bethesda MD LOT: 1

FILE NAME: NRCF
DATE 05/06
TIME 14:23

CLIN NO.	C ITEM DESCRIPTION/NOMENCLATURE	E PART NUMBER	QUANTITIES N 1/CO	O 13	Q 25	R 37	S 49	T +YRS
1001	[redacted] ANALOG MASTER PACK-R4	360366-01						
1002	[redacted] DIGITAL MASTER PACK-R4	360365-02	1					
1003	BASIC LTU PACK FOR LTUP X386/XL/M	360341-01	2					
1004	BASIC LTU PACK FOR F9600 LTUP MS	360340-01	1					
1005	MESG WAITING RINGER GENERATOR PK	360349-01	2					
1006	ISDN PRI TRUNK PACK	360347-01	1					
1007	PERIPHERAL BUS CTL CARTD 4-DMA	E16B-3008-R540	2					
1008	SWITCHING NETWORK CARD B	E16B-3002-R010						
1009	CLOCK DISRIBUTOR CARD	E16B-3005-R350						
1010	SINGLE LINE TELEPHONE CARD	E16B-3003-R310	8	1				
1011	OPS LINE CARD	E16B-3008-R250	11					
1012	DIGITAL LINE CARD - 16 2B+D	E16B-3009-R150		1	1			
1013	CO BOTHWAY TRUNK CARD A (600 OHM)	E16B-3009-R170	6					
1014	ONE WAY DID TRUNK CARD	E16B-3009-R770	2					
1015	ISDN/PRI&T1 TRUNKS W/SYNC ADP/CO	E16B-3006-R950						
1016	MIXER TRUNK CARD	E16B-3001-R460	1					
1017	CONFERENCE TRUNK CARD	E16B-3001-R470	1					
1018	POWER FAILURE TRANSFER CARD	E16B-3003-R270	1					
1019	NIGHT BELL/CODE CALL I/F CARD	E16B-3003-R280	1					
1020	CHARACTER TRUNK CARD	E16B-3007-R430	1					
1021	MODEM POOL CONTROLLER CARD	E16B-3003-R550	1					
1022	ATTENDANT LINE CARD	E16B-3009-R740	2					
1023	HAC-ATTENDANT CONSOLE	B07B-1074-B401	3					
1024	BUSY LAMP FIELD/DIRECT STA SEL	B07B-1075-B001	3					
1025	STAND-ALONE DIU TO 19.2KBPS	F12B-0337-B101	20					
1026	DATA TERMINAL ADAPTER	F10B-0705-K001	15	8	2	2		
1027	HAC DT100A 14B W/O SPEAKERPHONE	F10B-0705-B011	10					
1028	HAC DT200B 14B DISPLAY SPKRPHONE	F10B-0707-B111	45	20	5	4		
1029	EMML TERMINAL (IBM PC BASED)	301977-04	1					
1030	P/TRONIC E-SUPRA 1-EAR OVER/HEAD	769084-03	1					
1031	CLOCK SYNC CABLE (ISDN/PRI&T1)	E660-2506-T983#1						
1032	(Reserved)	(Reserved)						
1033	(Reserved)	(Reserved)						
1034	E&M TRUNK/PFT CABLE	E660-2506-T662#8	2					
1035	ATT POWER (EG CONNECTION)	E660-2506-T662#9	2					
1036	CABLE: MDC-MODEM CABLE A	E660-2506-T760#5	2					
1037	R4 MCPR S/W RTU-MS386 CONFIG	360114-04						
1038	R4 MCPR S/W RTU-M386 CONFIG	360231-04	1					
1039	R4 EMML SOFTWARE	301976-04	1					
1040	R4 TP/TV SOFTWARE	360061-04	1					
1041	R4 MS/S FLOPPY DISK BOOT SOFTWARE	360192-04						
1042	SYSTEM FORWARDING ENHANCEMENT	360233-07	1					
1043	PRIMARY RATE INTERFACE SOFTWARE	360233-04	1					
1044	M/MS ENGINEERED NET/DATA DATABASE	SW009600-MN3	1					
1045	CUSTOM ENGNRING FOR M/MS DATABS	SW009600-MNC	1					
1046	ATTENDANT CONSOLE QUICK REF GUIDE	D110-042-004	3					
1047	SINGLE LINE TEL QUICK REF GUIDE	D110-045-004	128	8	2	3		
1048	DIGITAL TELEPHONE QUICK REF GUIDE	D110-051-004	55	20	5	4		
1049	DATA INTERFC UNIT QUICK REF GUIDE	D110-049-004	20					
1050	DATA TERM ADAPTER QUICK REF GUIDE	D110-053-004	15	8	2	2		
1051	36-PORT TELECONFERENCING SYSTEM	TEMPO MB	2					
1052	04-PORT TCNF SYSTEM EXPANSION CD	TEMPO MB 4P						
1053	SINGLE LINE TELEPHONES	PREM 2500	20	8	2	3		
1054	SLT SPEAKERPHONE UNIT	KX-T1020	5	2	1			
1055	SLT AMPLIFIED HANDSET	W-6	1		1			
1056	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4	1					
1057	POWER SUPPLY SUBSYSTEM	PS-48V	1					
1058	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V	1					
1059	INITIAL SPARE PARTS KIT	Not Applicable	1					
1060	OPPM - HOURLY CHARGE	Not Applicable						
1061	VOICE STATION LINES/DID EQUIPPED	Not Applicable	203	28	7	7		

SOLICITATION: RS-IRM-90-215
CONFIGURATION WORKSHEET
COLUMN A - REGION/LOCATION = REGION 1: King of Prussia PA LOT: 2

FILE NAME: NRCF
DATE 05/06
TIME 14:23

CLIN NO.	C ITEM DESCRIPTION/NOMENCLATURE	E PART NUMBER	QUANTITIES N CO	O 13	Q 25	R 37	S 49	T +YRS
1001	[redacted] ANALOG MASTER PACK-R4	360366-01	1					
1002	[redacted] DIGITAL MASTER PACK-R4	360365-02						
1003	BASIC LTU PACK FOR LTUP X386/XL M	360341-01						
1004	BASIC LTU PACK FOR F9600 LTUP MS	360340-01	3					
1005	MESG WAITING RINGER GENERATOR PC	360349-01	1					
1006	ISDN PRI TRUNK PACK	360347-01	1					
1007	PERIPHERAL BUS CTL CARTD 4-CHA	E16B-3008-R340	1					
1008	SWITCHING NETWORK CARD B	E16B-3002-R210	1					
1009	CLOCK DISRIBUTOR CARD	E16B-3005-R350	1					
1010	SINGLE LINE TELEPHONE CARD	E16B-3003-R310	7		1		1	1
1011	OPS LINE CARD	E16B-3008-R250	2					
1012	DIGITAL LINE CARD - 16 2B+D	E16B-3009-R150	11	1		1		1
1013	CO BOTHWAY TRUNK CARD A (600 O-M)	E16B-3009-R170	11					
1014	ONE WAY DID TRUNK CARD	E16B-3009-R770						
1015	ISDN/PRI&T1 TRUNKS W/SYNC ADP/CO	E16B-3006-R350	1					
1016	MIXER TRUNK CARD	E16B-3001-R460	1					
1017	CONFERENCE TRUNK CARD	E16B-3001-R470	1					
1018	POWER FAILURE TRANSFER CARD	E16B-3003-R270	1					
1019	NIGHT BELL/CODE CALL I/F CARD	E16B-3003-R280	1					
1020	CHARACTER TRUNK CARD	E16B-3007-R430	2	1				
1021	MODEM POOL CONTROLLER CARD	E16B-3003-R560	1					
1022	ATTENDANT LINE CARD	E16B-3009-R740	1					
1023	MAC-ATTENDANT CONSOLE	B07B-1074-B401	1			1		
1024	BUSY LAMP FIELD/DIRECT STA SEL	B07B-1075-B201	1			1		
1025	STAND-ALONE DIU TO 19.2KBPS	F12B-0337-B101	45					
1026	DATA TERMINAL ADAPTER	F10B-0705-C201	57	6	4	5	5	6
1027	MAC DT100A 14B W/O SPEAKERPHONE	F10B-0705-B211	45	4	4	4	4	6
1028	MAC DT200B 14B DISPLAY SPKRPHONE	F10B-0707-B111	76	3	2	3	3	2
1029	EMML TERMINAL (IBM PC BASED)	301977-04	1					
1030	P/TRONIC E-SUPRA 1-EAR OVER/HEAD	769084-03	1			1		
1031	CLOCK SYNC CABLE (ISDN/PRI&T1)	E660-2506-T883#1	1					
1032	(Reserved)	(Reserved)						
1033	(Reserved)	(Reserved)						
1034	E&M TRUNK/PFT CABLE	E660-2506-T852#8	2					
1035	ATT POWER (EG CONNECTION)	E660-2506-T852#9	1					
1036	CABLE: MDC-MODEM CABLE A	E660-2506-T760#5	2					
1037	R4 MCPR S/W RTU-MS386 CONFIG	360114-04	1					
1038	R4 MCPR S/W RTU-M386 CONFIG	360231-04						
1039	R4 EMML SOFTWARE	301976-04	1					
1040	R4 TP/TV SOFTWARE	360061-04	1					
1041	R4 MS/S FLOPPY DISK BOOT SOFTWARE	360192-04	1					
1042	SYSTEM FORWARDING ENHANCEMENT	360233-07	1					
1043	PRIMARY RATE INTERFACE SOFTWARE	360233-04	1					
1044	M/MS ENGINEERED NET/DATA DATABASE	SW009600-MM3	1					
1045	CUSTOM ENGNRING FOR M/MS DATABS	SW009600-MNC	1					
1046	ATTENDANT CONSOLE QUICK REF GUIDE	D110-042-C04	1			1		
1047	SINGLE LINE TEL QUICK REF GUIDE	D110-045-C04	206	9	9	10	11	11
1048	DIGITAL TELEPHONE QUICK REF GUIDE	D110-051-C04	121	7	6	7	7	8
1049	DATA INTERFC UNIT QUICK REF GUIDE	D110-049-C04	45					
1050	DATA TERM ADAPTER QUICK REF GUIDE	D110-053-C04	57	6	4	5	5	6
1051	36-PORT TELECONFERENCING SYSTEM	TEMPO MB						
1052	04-PORT TCNF SYSTEM EXPANSION CD	TEMPO MB 4P						
1053	SINGLE LINE TELEPHONES	PREM 2500	190	9	9	10	11	11
1054	SLT SPEAKERPHONE UNIT	KX-T1020	48	2	2	3	2	3
1055	SLT AMPLIFIED HANDSET	W-6	10			1		1
1056	MANAGEMENT SYSTEM W/4 CRT	GTI/TSI/MS-4	1					
1057	POWER SUPPLY SUBSYSTEM	PS-48V	1					
1058	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V						
1059	INITIAL SPARE PARTS KIT	Not Applicable	1					
1060	OPPH - HOURLY CHARGE	Not Applicable		56	96	96	96	96
1061	VOICE STATION LINES/DID EQUIPPED	Not Applicable	212	16	15	18	18	19

SOLICITATION: RS-IRM-90-215 FILE NAME: NRCF
CONFIGURATION WORKSHEET DATE 05 26
COLUMN A - REGION/LOCATION * REGION III: Glen Ellyn IL LOT: 3 TIME 14:23

CLIN NO.	C ITEM DESCRIPTION/NOMENCLATURE	E PART NUMBER	QUANTITIES N 1/CO	O 13	Q 25	R 37	S 49	T [illegible]
1001	[redacted] ANALOG MASTER PACK-R4	360366-01	1					
1002	[redacted] DIGITAL MASTER PACK-R4	360365-02						
1003	BASIC LTU PACK FOR LTUP X386/XL/M	360341-01						
1004	BASIC LTU PACK FOR F9600 LTUP MS	360340-01	2				1	
1005	MESG WAITING RINGER GENERATOR PK	360349-01	1					
1006	ISDN PRI TRUNK PACK	360347-01	1					
1007	PERIPHERAL BUS CTL CARTD 4-DMA	E16B-3008-R540	1					
1008	SWITCHING NETWORK CARD B	E16B-3002-R010						
1009	CLOCK DISRIBUTOR CARD	E16B-3005-R350	1					
1010	SINGLE LINE TELEPHONE CARD	E16B-3003-R310	8		1		1	1
1011	OPS LINE CARD	E16B-3008-R250	2					
1012	DIGITAL LINE CARD - 16 2B+D	E16B-3009-R150	12					
1013	CO BOTHWAY TRUNK CARD A (600 OHM)	E16B-3009-R170	1					
1014	ONE WAY DID TRUNK CARD	E16B-3009-R770	3					
1015	ISDN/PRI&T1 TRUNKS W/SYNC ADP/CD	E16B-3006-R950	1					
101	MIXER TRUNK CARD	E16B-3001-R460		1				
101	CONFERENCE TRUNK CARD	E16B-3001-R470	1					
1018	POWER FAILURE TRANSFER CARD	E16B-3003-R270	1					
1019	NIGHT BELL/CODE CALL I/F CARD	E16B-3003-R280	1					
1020	CHARACTER TRUNK CARD	E16B-3007-R430	2					
1021	MODEM POOL CONTROLLER CARD	E16B-3003-R560	1					
1022	ATTENDANT LINE CARD	E16B-3009-R740	1					
1023	MAC-ATTENDANT CONSOLE	B078-1074-B401	1			1		
1024	BUSY LAMP FIELD/DIRECT STA SEL	B078-1075-B001	1			1		
1025	STAND-ALONE DIU TO 19.2KBPS	F12B-0037-B101	109					
1026	DATA TERMINAL ADAPTER	F10B-0705-K001	16				1	
1027	MAC DT100A 14B W/O SPEAKERPHONE	F10B-0705-B011	6					
1028	MAC DT200B 14B DISPLAY SPKRPHONE	F10B-0707-B111	65	11			1	
1029	EMML TERMINAL (IBM PC BASED)	301977-04	1					
1030	P/TRONIC E-SUPRA 1-EAR OVER/HEAD	769084-03	1			1		
1031	CLOCK SYNC CABLE (ISDN/PRI&T1)	E660-2506-T983#1	1					
1032	(Reserved)	(Reserved)						
1033	(Reserved)	(Reserved)						
1034	E&M TRUNK/PFY CABLE	E660-2506-T662#8	2					
1035	ATT POWER (EG CONNECTION)	E660-2506-T662#9	1					
1036	CABLE: MDC-MODEM CABLE A	E660-2506-T750#5	2					
1037	R4 MCPR S/W RTU-MS386 CONFIG	360114-04	1					
1038	R4 MCPR S/W RTU-M386 CONFIG	360231-04						
1039	R4 EMML SOFTWARE	301976-04	1					
1040	R4 TP/TV SOFTWARE	360061-04	1					
1041	R4 MS/S FLOPPY DISK BOOT SOFTWARE	360192-04	1					
1042	SYSTEM FORWARDING ENHANCEMENT	360233-07	1					
1043	PRIMARY RATE INTERFACE SOFTWARE	360233-04	1					
1044	M/MS ENGINEERED NET/DATA DATABASE	SW009600-MN3	1					
1045	CUSTOM ENGNRING FOR M/MS DATABS	SW009600-MNC	1					
1046	ATTENDANT CONSOLE QUICK REF GUIDE	D110-042-004	1			1		
1047	SINGLE LINE TEL QUICK REF GUIDE	D110-045-004	214	5	5	10	10	10
1048	DIGITAL TELEPHONE QUICK REF GUIDE	D110-051-004	71	11			1	
1049	DATA INTERFC UNIT QUICK REF GUIDE	D110-049-004	109					
1050	DATA TERM ADAPTER QUICK REF GUIDE	D110-053-004	16				1	
1051	36-PORT TELECONFERENCING SYSTEM	TEMPO MB						
1052	04-PORT TCNF SYSTEM EXPANSION CD	TEMPO MB 4P						
1053	SINGLE LINE TELEPHONES	PREM 2500	198	5	5	10	10	10
1054	SLT SPEAKERPHONE UNIT	KX-T1020	50	1	1	3	2	3
1055	SLT AMPLIFIED HANDSET	W-6	10			1		1
1056	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4	1					
1057	POWER SUPPLY SUBSYSTEM	PS-48V	1					
1058	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V						
1059	INITIAL SPARE PARTS KIT	Not Applicable	1					
1060	OPPM - HOURLY CHARGE	Not Applicable				48	96	96
1061	VOICE STATION LINES/DID EQUIPPED	Not Applicable	272	16	5	11	11	10

SOLICITATION: RS-IRM-90-215
CONFIGURATION WORKSHEET
COLUMN A - REGION/LOCATION = REGION V: Walnut Creek CA LOT: 4

FILE NAME: NRCF
DATE 05/06
TIME 14:23

CLIN NO.	C ITEM DESCRIPTION/NOMENCLATURE	E PART NUMBER	QUANTITIES N 1/CO	O 13	Q 25	R 37	S 49	T +YRS
1001	[redacted] ANALOG MASTER PACK-R4	360366-01	1					
1002	[redacted] DIGITAL MASTER PACK-R4	360365-02						
1003	BASIC LTU PACK FOR LTUP X386/XL/M	360341-01						
1004	BASIC LTU PACK FOR F9600 LTUP MS	360340-01	3				1	
1005	MESG WAITING RINGER GENERATOR PK	360349-01	1					
1006	ISDN PRI TRUNK PACK	360347-01	1					
1007	PERIPHERAL BUS CTL CARTD 4-DMA	E16B-3008-R540	1					
1008	SWITCHING NETWORK CARD B	E16B-3002-R010	1					
1009	CLOCK DISTRIBUTOR CARD	E16B-3005-R350	1					
1010	SINGLE LINE TELEPHONE CARD	E16B-3003-R310	1			1		
1011	OPS LINE CARD	E16B-3006-R250	15					
1012	DIGITAL LINE CARD - 16 2B+D	E16B-3009-R150	9				1	
1013	CO BOTHWAY TRUNK CARD A (600 OHM)	E16B-3009-R170	3					
1014	ONE WAY DID TRUNK CARD	E16B-3009-R770	2					
1015	ISDN/PRI&T1 TRUNKS W/SYNC ADP/CD	E16B-3006-R950	1					
1016	MIXER TRUNK CARD	E16B-3001-R460						1
1017	CONFERENCE TRUNK CARD	E16B-3001-R470	1					
1018	PD ID FAILURE TRANSFER CARD	E16B-3003-R270	1					
1019	NIGHT BELL CODE CALL I/F CARD	E16B-3003-R280	1					
1020	CHARACTER TRUNK CARD	E16B-3007-R430	2					
1021	MODEM POOL CONTROLLER CARD	E16B-3003-R560						
1022	ATTENDANT LINE CARD	E16B-3009-R740	1					
1023	HAC-ATTENDANT CONSOLE	B07B-1074-B401	1				1	
1024	BUSY LAMP FIELD/DIRECT STA SEL	B07B-1075-B001	1				1	
1025	STAND-ALONE DIU TO 19.2KBPS	F12B-0337-B101	81					
1026	DATA TERMINAL ADAPTER	F10B-0705-K001	14	—	2	1	2	2
1027	HAC DT100A 14B W/O SPEAKERPHONE	F10B-0705-B011	10		1	1	1	2
1028	HAC DT200B 14B DISPLAY SPKRPHONE	F10B-0707-B111	43	2	3	2	3	2
1029	EMML TERMINAL (IBM PC BASED)	301977-04	1					
1030	P/TRONIC E-SUPRA 1-EAR OVER/HEAD	769084-03	1				1	
1031	CLOCK SYNC CABLE (ISDN/PRI&T1)	E660-2506-T983#1	1					
1032	(Reserved)	(Reserved)						
1033	(Reserved)	(Reserved)						
1034	E&M TRUNK/PFT CABLE	E660-2506-T662#8	2					
1035	ATT POWER (EG CONNECTION)	E660-2506-T662#9	1					
1036	CABLE: MDC-MODEM CABLE A	E660-2506-T760#5	2					
1037	R4 MCPR S/W RTU-MS386 CONFIG	360114-04	1					
1038	R4 MCPR S/W RTU-M386 CONFIG	360231-04						
1039	R4 EMML SOFTWARE	301976-04	1					
1040	R4 TP/TV SOFTWARE	360061-04	1					
1041	R4 MS/S FLOPPY DISK BOOT SOFTWARE	360192-04	1					
1042	SYSTEM FORWARDING ENHANCEMENT	360233-07	1					
1043	PRIMARY RATE INTERFACE SOFTWARE	360233-04	1					
1044	M/MS ENGINEERED NET/DATA DATABASE	SW009600-MN3	1					
1045	CUSTOM ENGNRING FOR M/MS DATABS	SW009600-MNC	1					
1046	ATTENDANT CONSOLE QUICK REF GUIDE	D110-042-004	1				1	
1047	SINGLE LINE TEL QUICK REF GUIDE	D110-045-004	214	5	5	5	5	6
1048	DIGITAL TELEPHONE QUICK REF GUIDE	D110-051-004	53	2	4	3	4	4
1049	DATA INTERFC UNIT QUICK REF GUIDE	D110-049-004	81					
1050	DATA TERM ADAPTER QUICK REF GUIDE	D110-053-004	14		2	1	2	2
1051	36-PORT TELECONFERENCING SYSTEM	TEMPO MB						
1052	04-PORT TCNF SYSTEM EXPANSION CD	TEMPO MB 4P						
1053	SINGLE LINE TELEPHONES	PREM 2500	95	5	5	5	5	6
1054	SLT SPEAKERPHONE UNIT	KX-T1020	24	1	1	2	1	1
1055	SLT AMPLIFIED HANDSET	W-6	5			1		
1056	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4	1					
1057	POWER SUPPLY SUBSYSTEM	PS-48V	1					
1058	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V						
1059	INITIAL SPARE PARTS KIT	Not Applicable	1					
1060	OPPM - HOURLY CHARGE	Not Applicable		56	96	96	96	96
1061	VOICE STATION LINES/DID EQUIPPED	Not Applicable	149	7	9	8	10	10

Government Telecommunications, Inc.
[redacted] Installation Test Procedure

1. Scope

1.01 This document provides the Installation Test Procedures that are used for verfication of correct operation and installation of the [redacted] system and its features.

2. Reference Information and Documents

2.01 The following documents are required for reference purposes during performance of the test listed in this procedure.

A. Contract issued as a result of this solicitation.

B. Hardware Order Information Sheets.

C. Hardware Frame Image which includes Central Control Cabinet, Network Control Cabinet, and Expansion Cabinet(s).

D. [redacted] Manuals -- Installed Level, Latest issue.

E. [redacted] Manuals -- Installed Level, Latest issue (NRCOC) only.

F. [redacted] Power Subsystem Manuals -- Installed Level, Latest issue.

G. Appropriate [redacted] and Software Manuals -- Installed Level(s), Latest Issue(s).

H. NRC Installation Test/Acceptance Checklist.

2.02 Cable Complete Test Record: Testing procedures established in General Telephone and Electronics Practice (GTEP -- Engineering Plant Series (Section 634-020-500 "Acceptance Testing -- Cable Completion") will be used as new or rearranged cables are included as part of this project.

2.03 Inspection and Acceptance Checklist -- General: The general Checklist is to be used to cover non-operational/feature related elements of project completion. The items are to be completed on an as required/applicable basis and is to be a joint review by GTI and a customer representative. The customer is to sign off as indicated on the form. The customer representative and GTI representative shall establish a mutual time for this activitiy. The review shall occur within 5 work days of cut-over.

2.04 [redacted] Test Plan Checklist. The items listed on the checklist are to be tested/demonstrated to comply either with customer specificaitons, if referenced, or the Manufacturer's Operation Manual. Only GTI personnel shall conduct the test with customer representative(s) observing, unless mutully agreed to in advance.

2.05 Acceptance/Test Plan Report. The Report is to consist of 3 copies of the Site Specific 2.03 and 2.04 forms along with any test forms or results from Peripheral System

Equipment or Cable tests in Section 4 of this Procedure and a narrative and a list of comments/actions to be completed by either GTI or the customer. The Report will be sent ot the customer, Area Construction Manager (or equivalent), Program Manager and a copy retained on site. Completion of 2.03, 2.04 and 2.05 shall constitute the Final System Acceptance Checklist. Any deficiencies must be noted within 5 working days and become a part of the the completion Report. Cut-Over and Warranty will take place upon completion of the Checklist activity. Non-operational deficiencies will not impact warranty start.

3. TEST

The specific tests to be completed are set forth in the appropriate checklist and will demonstrate the system operation in accordance with the operational descriptions found in the appropriate Manufacturer's Manual(s), and the [redacted]

T e tests will cover the following major areas, as applicable:

3.01 Attendant Console(s).
3.02 Maintenance and Administration Console
3.03 Call Routing Features
3.04 Stations/Lines
3.05 System and Miscellaneous, including Applicaiton Processors, ACD, SMDR, etc.
3.06 Hardware Features
3.07 Conference Bridge
3.08 Power Subsystem
3.09 MS Subsystem

4. PERIPHERAL SYSTEM EQUIPMENT TESTS

Peripheral Systems Equipment Tests shall be conducted in compliance with the appropriate Manufacturer's Manuals.

TEST PLAN

Checklist

Operational Description	*Purchaser* Test By Date	*Purchaser* Verify	Spec. Reference
Battery Check			
Fuse Rating Verification			
Power Fault-to-Ground Check			
Power Converter Output Voltage Checks			
Verification Testing GTI			
Preload Memory Test System			
System Self Maintenance Test			

TEST PLAN

Inspection and Acceptance

Checklist

Description		Accepted YES or NO	Customer Representative/Date
Switchroom:			
Cabinets	Arrangement		
	Neatness		
Cabling	Neatness		
Equipment	Labeled		
Maintenance Team:			
MDF	Arranged Neatly		
	Labeled		
Cross Connects	Neat		
Protectors	Installed		
	Grounded		
	Labeled		
Cable Racks	Secure		
	Grounded		
Miscellaneous			
Intermediate Frames	Neat		
	Labeled		
	Room for Growth		
Feeder Cable	Protected		
	Neat		
	Labeled		
	Properly Supported		
Station Cable	Labeled		
	Neat		
	Properly Supported		
Documentation:			
Equipment Layout Drawings	Complete		
Cross/Connect Records	Complete		
Riser/Dist. Records	Complete		
Manufacturers Manuals	Complete		

Nuclear Regulatory Commission
Telephone Switching Systems
Training Plan

Course: [redacted]

Intended For:

Telephone and data users of the [redacted]

Description:

The primary focus of this class is to familiarize the day to day user of the [redacted] and telephone equipment with its standard features. Instruction will include:

- Basic familiarization with [redacted] users documentation.
- Basic telephone operations, use and trouble shooting.
- Basic communications operations.
- Basic System Features and utilization.

Training will be conducted with a "hands-on" approach and will be followed up with actual telephone and systems usage.

Course Length:

Four (4) Hours

Personnel:

Maximum personnel per class: 25.

Course: [redacted] Console Operations Users Course

Intended For:

Console Operators

Description:

The primary focus of this class is to familiarize the console operator of the [redacted] system with console operations and advanced system features. Instruction will include:

- Basic familiarization with [redacted] and console documentation.
- Basic console operations, use and trouble shooting.
- Advanced console operations, use and trouble shooting.
- Basic System Features and utilization.
- Advanced System Features and utilization.

Training will be conducted with a "hands-on" approach and will be followed up with actual console and systems usage.

Course Length:

Four (4) Hours

Personnel:

Maximum personnel per class: 5

Course: [redacted] Technical Users Course

Intended For:

Personnel responsible for data collection and programming of the [redacted]

Description:

Applications-oriented case studies focus on data base collection procedures and programming requirements. These case studies serve as the foundation upon which students learn to successfully configure and administer a [redacted] to meet necessary requirements. Students will achieve a thorough understanding of system architecture and feature applications of the delivered hardware and software. during the course the student is trained to properly complete data base collection and programming sheets and tc program the [redacted]

Course Length:

Forty (40) Hours (1 week)

Personnel:

Maximum personnel per class: 5.

GTI MASTER MAINTENANCE PLAN

This plan addresses GTI's approach in providing maintenance support to our current and future customers. The first section details current GTI-supported maintenance locations. The second section describes GTI's plan for performing maintenance and the third section gives an overview of GTI's maintenance organization structure, including the qualification levels and skills of our Field Engineering organization.

LOCATION OF MAINTENANCE SITES

Maintenance personnel are located at GTI Headquarters, Chantilly, Virginia, and at all Major Service Center and Service Locations shown below. The Service Location list expands routinely to meet contractual requirements for customer programs in accordance with GTI's planning and growth. As shown below, GTI has field service representatives in many states. To supplement our field service organization, GTI qualifies third party maintenance subcontractors or the original manufacturer of the proposed hardware. GTI mandates that ALL service calls be placed on our GTI HOTLINE 800 number. In this way, GTI can track the progress of each service call, and escalate the call to the next higher level of management, if necessary. Each service call is logged into our computer for trend analysis and parts usage.

CURRENT MAJOR SERVICE CENTER LOCATIONS

Chantilly, VA (Washington, DC Metro Area)
Denver, Colorado
Jackson, Mississippi
Jackson, Tennessee
Long Island, New York
Lost Creek, West Virginia
Naples, Florida
Oklahoma City, Oklahoma
Philadelphia, Pennsylvania
Saint Cloud, Minnesota
San Diego, California
San Francisco, California
Seattle, Washington
Sheboygan, Wisconsin
Streator, Illinois

MAINTENANCE PROCEDURES

"Replace in lieu of repair" is the maintenance philosophy at GTI. This method tends to minimize hardware downtime. It also allows GTI field personnel to concentrate on rapid system, network, or element recovery versus attempting to diagnose and then physically repair an item at the field location. This method is commonly used in the computer maintenance industry and has enabled GTI to expand maintenance capabilities quickly and efficiently while significantly reducing system or component down times. GTI's maintenance philosophy encompasses several key factors, some of which are:

1.) Preventive Maintenance (PM) - The proposed equipment will require PM which will be scheduled during the PPM at a mutually agreeable time (if contract allows).

2.) Remedial Maintenance (RM) - Remedial Maintenance will be performed by experienced, fully-trained Field service Representatives who will repair the equipment by identifying the faulty component and then replacing it. This procedure leads to rapid repairs and maximum up time.

3.) Sparing (SP) - GTI's spare part philosophy gives maintenance personnel immediate access to spares. GTI and its prime suppliers maintain spares inventories for GTI service personnel allowing for rapid repair/replacement of any failed system component.

PREVENTIVE MAINTENANCE

GTI will perform preventive maintenance on all systems as described in the proposed Preventive Maintenance Plan. Preventive maintenance will be performed at the times specified in the Solicitation, on a mutually agreed upon schedule. For planning and scheduling purposes, some peripheral equipment can be cleaned and tested off-line without disabling the entire system or network. GTI will allow the Preventive Maintenance schedule to be modified by mutual agreement.

REMEDIAL MAINTENANCE

GTI field service personnel will arrive at the Government site or will be ON-SITE within the time limits prescribed following notification of the need for maintenance. When they occur, failures will be analyzed and trend analysis will be effected to assist cause and effect statistical reporting.

GTI will provide the Government with the names and telephone numbers of local primary points of contact supporting each site. Additionally, GTI will provide a toll-free HOTLINE telephone number at our corporate headquarters in Chantilly, Virginia for the Government to use to report problems and ask questions. All calls received on the HOTLINE number are logged into our computer, prioritized, and tracked. Either the call will be transferred to an analyst for necessary action or the local field engineer will be dispatched to the Government site.

SPARE PARTS PHILOSOPHY

GTI stocks calculated levels of on-site spares at each of our service locations or customer sites which will give the GTI field service representative immediate access to the needed spare. In addition, GTI maintains backup spares at our corporate facility in Chantilly, Virginia. GTI determines spare parts requirements for each site, location, and service region based on projected and/or historical reliability, maintainability and availability of the part, actual field experience, geographical area of the installation, the customer's operating environment, and like items. GTI replenishes on-site spares using commercial overnight delivery and replenishes the stock of backup spares through repair of the faulty component by either GTI repair technicians or the original equipment manufacturer.

USE OF DIAGNOSTICS

GTI field service representatives use local and remote diagnostics to isolate a probable cause of failure or degraded performance in a system or component. Diagnostics and maintenance software and hardware are used to periodically evaluate the operation, execution, and performance of various system components. Diagnostics are also used to determine which component or faulty subsystem has failed and to ensure expeditious replacement and testing of the spare component or subsystem in the customers operating environment. The outputs of selected diagnostics are maintained at the customer site by GTI field engineers and a master file containing diagnostic and repair data of each site is maintained by computer at GTI corporate headquarters. Trend analysis, probable cause of failures, and other items relating to performance and availability of installed GTI systems are statistically analyzed by GTI support engineers.

Upon being notified or dispatched with a trouble call, the GTI field service representative calls the customer back to diagnose the problem over the phone so he will know what parts or boards may be required. He/She then arrives at the site and exercises the system test routines, diagnosing to the maximum extent possible the system failure. GTI field engineers are thoroughly trained on the use and proper operation of all appropriate system diagnostics for the equipment they service.

SYSTEM SUPPORT

GTI system support engineers provide technical support and backup the local field service representative. The system support engineer provides phone and on-site assistance to the field service representatives. The system support engineer provide the field service representative with summaries, technical bulletins, engineering changes, and other information to inform them of new equipment repair techniques. The system support engineer also maintains contact with OEM vendors for additional support in those unique instances when such support or contact is required.

MALFUNCTION REPORTS

GTI routinely provides a signed malfunction report to our customers. When a call for remedial maintenance is received or preventive maintenance is performed, the information is recorded on a GTI Customer Service Report (GTI-CSR). The GTI-CSR is completed and signed by a GTI field service engineer and countersigned by the designated Government representative to certify that the required services were performed and completed. Copies are provided to the Government representative and to the GTI field service organization. The GTI-CSR is also used by GTI to measure both the operational effectiveness and availability of the hardware/software being maintained, as well as to determine and project cause of failures, spares requirements, trends, and otheritems to both the specific site and other sites containing such equipment.

C.1 GENERAL

Response:

GTI is proposing to completely meet the requirements for the NRCOC in Bethesda, MD. and the three (3) regional offices specified. [redacted] Inc. and various ancillary equipment and items that together provide a completely compliant solution to all of the NRC requirements.

The equipment proposed will be installed and maintained completely as on premise equipment.

All equipment proposed will be new, unused and of the latest electronic design and in current production by reputable, experienced manufacturers.

GTI understands and will comply with all of the NRC requirements as they pertain to proposal instructions and guidelines.

Solicitation:

C.2 EXISTING NRC SYSTEMS DESCRIPTION

Response:

GTI has read and fully understands the Existing NRC Systems Description.

Solicitation:

C.2.1 DESCRIPTION AND OPERATION

Response:

GTI has read and fully understands the Existing NRC Systems Description and Operation.

Solicitation:

C.2.2 TRAFFIC

Response:

GTI has read and fully understands the ramifications of the Traffic statistics provided and has used this information to insure that the proposed solution is capable of not only supporting the amount of traffic indicated but also of supporting any potential emergency situation that may arise.

Solicitation:

C.3 SYSTEM CHARACTERISTICS AND FEATURES

C.3.1 SYSTEM TECHNOLOGY

Response:

COMPLIANT.

The [redacted] is a flexible, digital system that is upgradeable and is compatible with the evolving ISDN standards. In addition, the [redacted] is a fully processor stored program controlled switching system.

The underlying hardware and software structure is the same for all system configurations regardless of size or application. This hardware/software structure ensures both upward and downward compatibility between different [redacted] systems.

Because the network structure is homogeneous for all system configuration, the network control scheme is also generic. The simplicity of the network allows for fast implementation of fully distributed call control.

The system uses a single - stage [redacted] switching network which provides:

- Non-blocking architecture.
- High speed data communications.
- High bandwidth capability.
- Pulse Code Modulation (PCM).

The proposed NRCOC system, the [redacted] provides a high degree of redundancy that is standard. The entire common equipment (down to the port level) within the [redacted] is duplicated to provide a highly reliable and survivable telephone system. The following hardware is fully duplicated in all [redacted]

A. Call Processing/Input/Output Subsystem

- Management and Call Processor (including processors and memory)
- Peripheral Bus Controller
- Inter Multi-Processor Bus Controller (IBC)
- Scan/Signal Distributor
- File Memory Controller (FMC)
- File Memory
- Data Communications Controller
- Network
- Ring Generator

B. Speech Path Memory

- Speech Path Memory
- Multiplexer
- De-Multiplexer
- Highway Interface
- Power Supply for line and trunk circuits

C. Power Supply

- Line/Trunk (LTU) Shelf power.
- Common equipment power network.

The [redacted] hardware includes redundant hard disk drives and floppy disk drives for program and database storage, loading, and system updates. If a malfunction occurs in the common equipment, a Phase 1 cutover is initiated automatically. This transfers all operation to the redundant common control equipment, including the redundant memory. All stable calls are maintained when this occurs. Calls in transition (i.e. dialing or ringing are lost and must be placed again. If a failure occurs in the second system the system initiates a total re-start and brings up one of the two duplicated common systems that provides the most call processing capacity.

GTI is proposing the [redacted] a non-redundant version of the F9600M, for the three regions. The [redacted] is designed to be upgraded to a F9600M by simply adding the redundant components.

GTI is proposing a system that includes all subscriber station equipment, attendant cabinets/consoles, a cable wiring distribution system, distribution frames, reserve power equipment and all other ancillary equipment required to provide the total system specified.

Due to the nature of the [redacted] architecture, which is one of the first to be designed for high speed data to be brought about as a result of ISDN, and the fact that the F9600 is actually in the beginning of its product life cycle, GTI can easily guarantee a design life expectancy for circuits and components of at least 10 years.

Solicitation:

C.3.2 MODULARITY

Response:

COMPLIANT.

The [redacted] consists of cabinet shelves each of which contains designated groups of printed circuit boards necessary for various functional aspects of system operation.

The [redacted] has a specially designed modular internal shelf structure which reduces the constraints for shelf arrangement. This flexible shelf arrangement provides universal card arrangements in line/trunk shelves. Additionally, growth is modular and effected by simply adding additional universal cards and additional shelve modules as needed.

The cabinets are factory wired and designed for universal card direct "plug-in" installation requiring no on-site rewiring.

The main components of the [redacted] are the Management/Call Processor (MCPR), and the Line/Trunk Unit (LTU). Each MCPR controls a system maximum of 7 LTU's. The interior of each cabinet consists of shelves, which contain designated groups of circuit cards necessary for various aspects of system operation. Each group of cards makes up a particular unit which can be classified as one of the following: MCPR Package, LTU Package, and LTU Expansion Package.

The overall exterior and interior configuration of the [redacted] cabinet requires only front access for all system maintenance and system expansion/upgrade. Back to back and back to the wall cabinet installation is possible, allowing maximum flexibility for equipment layout and reduced floor space requirements.

Solicitation:

C.3.3 FLEXIBILITY

Response:

COMPLIANT.

The proposed [redacted] is a fully stored-program controlled, fully processor redundant, integrated digital voice/data switching system.

The software modules on the [redacted] are written in [redacted] was developed as a standard for telephony software. The efficiency, flexibility, and maintainability of [redacted] provides a disciplined, structured call processing software design.

The use of [redacted] allows programs on different hardware processors to perform similar or related functions. The software functions are distributed across the hardware subsystems therefore, the completion of a software function can be distributed among processors in the system hierarchy. In smaller system configurations, the functions can be combined into a single processor.

The use of [redacted] also makes possible a transition to more advanced hardware structures.

Solicitation:

C.3.4 AUTOMATIC CALLBACK

Response:

COMPLIANT.

The [redacted] allows a station user (COS-enabled), after dialing a busy station, to flash and dial an access code thereby registering camp-on and sending a single call-waiting tone burst to the busy station. On the proposed Digital sets, the station user can just press a feature access button to perform this registration. Whether SLT or DT, the station user can then either hang up to receive a callback or wait off-hook to hear ringback.

A calling station hears a distinctive busy tone if the station is off-hook. By flashing and entering an access code or accessing a feature button on a multibutton set, the station can camp-on to the called busy station. The calling station hears a service tone and the called station hears a short burst of tone notifying it of the camp-on. This notifying tone howe.er, is optional. The system database contains a definable timer that gives the calling station the option of waiting off-hook this amount of time, thereby sending the tone, or hanging up before this time and not sending the tone.

If the station requesting Camp-0n elects to hangup it will be called back automatically, with a distinctive ringing pattern, when the camped-on to party hangs up.

- A camp-on callback encountering a "ring no answer" situation automatically cancels the feature after thirty seconds (Again customer definable) of ringing.

If the camp-on callback is not executed within a customer-definable time (1 to 255 minutes), and answered within a customer-definable time, the camp-on is canceled.

Solicitation:

C.3.5 DIGITAL/ANALOG CONVERSION

Response:

COMPLIANT.

The [redacted] provides the capability of integrated voce and data transmission over a single twisted pair. The [redacted] with an optional Data Terminal Adapter (DTA), terminated on a digital line card in the switch provides the capability. If transmission above 19.2 KBPS is necessary, a separate port on the digital line circuit card and another twisted pair is required. The DTE/DCE would connect to a high speed Data Interface Unit-X2 (DIU) at the station to provide transmission rates up to 64 Kbps. Both of the DIU's and the DTA interface directly with either DTE or DCE peripheral devices and allow a loop limit up to 4000' using 24AWG one pair wire.

Solicitation:

C.3.5.1

Response:

COMPLIANT.

The proposed system fully supports direct connect capabilities with both DCE's and DTE's. Through these connections, a direct digital path can be established through the system. In addition, the system allows direct interface to dial-up DTE's through standard EIA RS-232, RS-449, (both RS-422 and RS-423) and V.35 connections.

Solicitation:

C.3.5.2

Response:

COMPLIANT.

The [redacted] supports simplex, half-duplex, and/or full duplex connections.

Solicitation:

C.3.5.3

Response:

COMPLIANT.

Through [redacted] allows users to originate a data call from a telephone, asynchronous data terminal, and synchronous data terminal for connection with other data devices though dial-up modems.

The Permanent Connection feature on the [redacted] emulates a hard-wired nailed up connection. Two data ports are connected after the system completes the Initial Program Load, or after the permanent connection M&A command is executed.

Solicitation:

C.3.6 DATA REQUIREMENTS
C.3.6.1 ASYNCHRONOUS DATA TRANSMISSION REQUIREMENTS

Response:

COMPLIANT.

The [redacted] transfers the asynchronous digital data at bit rates up to 19.2Kbps transparently to other asynchronous devices. Because of the type of connection provided, the [redacted] is transparent to code and protocol and is neither affected nor effects the properties of that code or protocol. By default then, asynchronous data with 1-, 1.5-, or 2- stop bits; parity options including even, odd, or none; and data bits per character of 5, 7, or 8 are fully supported and passed through the system.

Solicitation:

C.3.6.2 SYNCHRONOUS DATA TRANSMISSION REQUIREMENTS

Response:

COMPLIANT.

The [redacted] transfers synchronous data at bit rates up to 19.2Kbps via EIA RS-232-D and up to 64Kbps via RS-449. Utilization of V.35 is effected by an external RS-232 to V.35 or RS-449 to V.35 connector and therefore supports the bit rates required. Both interface types allow either external or internal clocking.

Solicitation:

C.3.6.3 DIGITAL ERROR RATE:

Response:

COMPLIANT.

The Contractor has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of these provisions.

Solicitation:

C.3.6.4 DEDICATED DATA CONNECTION:

Response:

COMPLIANT.

The Permanent Connection feature on the [redacted] emulates a hard-wired nailed up connection. Two data ports are connected after the system completes the Initial Program Load, or after the permanent connection [redacted] command is executed.

Solicitation:

C.3.6.5 MODEM POOLING:

Response:

COMPLIANT.

The Contractor has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of these provisions.

The [redacted] supports Modem pooling for incoming modem pools which share the same resources with outgoing modem pooling.

When an outside caller enters a data station number within the system, the system hunts an appropriate modem based on the terminal attributes of the called data set. When the called party answers the call, the connection is established through the incoming trunk, the modem and the internal data set. If all modems are busy an internal station can queue the modem pool

Solicitation:

C.3.7 ALARMS AND PROTECTION

Response:

COMPLIANT.

Alarm indication is provided by the system hardware and maintenance software to generate audible and/or visual signals at either, or both, local and remote reporting positions. Alarm indications are also provided to all attendant consoles on the system. Remote reporting positions, via a data link, can be placed 2500 feet away from the system as can the attendant consoles.

The following tests are run in the system, which may result in alarms being reported:

- Continuous Hardware Tests
- Continuous Hardware/Software Tests
- Continuous Software Tests
- Automatic System Diagnostic Testing Capability
- Automatic Fault Analysis and Report

Solicitation:

C.3.8 LINE LOCKOUT WITH WARNING

Response:

COMPLIANT.

The [redacted] supports Time Out Routing which allows the switch to automatically route a station (COS enabled) to the attendant or to a predetermined station if the calling station user does not begin to dial either within a predetermined time or after beginning dialing does not complete dialing and stays off-hook.

Time Out Routing occurs when a station is off-hook and dialing has not occurred within fifteen seconds, or if more than six seconds has occurred between entered digits. At this time, dial tone reverts to ringback, which is audible to the calling station until the attendant or preassigned station answers.

Solicitation:

C.3.9 AUTOMATIC ROUTE SELECTION (LEAST COST ROUTING)

Response:

The [redacted] utilizes Least Cost routing, Equal Access, Digit Manipulation, Outgoing Restriction, and Trunk Queueing for processing public network (off-net) calls. Usage of ARS levels of service and queueing capabilities are based on the calling station's Class of Service.

The PBX searches through the route selection table if the first choice route is busy. Up to twenty routes per table may be defined, beginning with the most economical facility and ending with the most expensive facility over which calls are routed. The number of facilities available to a calling station is dependant on the user's defined level of service. If the most expensive facility is selected, the user may be optionally provided with call warning-premium route tone.

When the PBX detects any of the following dialing patterns, the call will be routed to the default route selection table:

-10XXX	Equal Access
-0+	Operator Assisted
-01+	Operator Assisted (IDDD)
-N11,11N	Special Services

Digit Manipulation reformats dialed digits in order to send a call through downstream central offices, or other PBXs. The feature allows for example, the deletion of digits for a FX trunk where the downstream central office required the deletion of the area and toll prefixes; the addition of digits as required for entering an Equal Access Code (10XXX), or adding pauses required for older central offices. This also works with FTS 2000 translation.

Solicitation:

C.3.10 CALLBACK QUEUEING

Response:

COMPLIANT.

The [redacted] allows a station user (COS-enabled), after dialing a busy station, to flash and dial an access code thereby registering camp-on and sending a single call-waiting tone burst to the busy station. On the proposed Digital sets, the station user can just press a feature access button to perform this registration. Whether SLT or DT, the station user can then either hang up to receive a callback or wait off-hook to hear ringback.

A calling station hears a distinctive busy tone if the station is off-hook. By flashing and entering an access code or accessing a feature button on a multibutton set, the station can camp-on to the called busy station. The calling station hears a service tone and the called station hears a short burst of tone notifying it of the camp-on. This notifying tone however, is optional. The system database contains a definable timer that gives the calling station the option of waiting off-hook this amount of time, thereby sending the tone, or hanging up before this time and not sending the tone.

If the station requesting Camp-On elects to hangup it will be called back automatically, with a distinctive ringing pattern, when the camped-on to party hangs up.

A camp-on callback encountering a "ring no answer" situation automatically cancels the feature after thirty seconds (Again customer definable) of ringing.

If the camp-on callback is not executed within a customer-definable time (1 to 255 minutes), and answered within a customer-definable time, the camp-on is canceled.

Solicitation:

C.3.11 CALL RESTRICTIONS

Response:

COMPLIANT.

The [redacted] utilizes Facility Restriction Levels to restrict stations to certain COS. Each station is assigned a Facility Restriction Level in the database which can be changed by utilizing the EMML Terminal.

Solicitation:

C.3.12 CLASS OF SERVICE (COS)

Response:

COMPLIANT.

The [redacted] supports 64 distinct customer definable Classes of Service (COS). Each station, data terminal, and Attendant Console is assigned a Class of Service. Class of Service can be sensitive to both time of day and day of week.

Solicitation:

C.3.13 DIRECT INWARD DIALING (DID)

Response:

COMPLIANT.

The proposed [redacted] fully supports Direct Inward Dialing (DID). There is no limit to the number of DID trunks that can be specified/configured in a system. Each trunk group can be individually flagged for the number of digits received from the central office (two to five), number of received digits deleted (up to three), and number of digits added (up to five).

Solicitation:

C.3.14 DIRECT OUTWARD DIALING (DOD)

Response:

COMPLIANT.

Direct Outward Dialing allows a classmarked station to access an outside trunk without attendant assistance.

Station users dial a trunk access code and the system then selects an idle trunk in the trunk group. Access to individual trunk groups is provided by Class of Service. It is possible, for example, to provide a station access to WATS groups 0 and 2, but deny the station access to WATS groups 1,3,4, and 5.

Solicitation:

C.3.15 DIRECT IN/OUT DIAL

Response:

COMPLIANT.

Station can have both DID and DOD access capabilities simultaneously.

Solicitation:

C.3.16 DISTINCTIVE RINGING

Circular Hunt Group (Jump) - A call to a busy station causes the system to hunt the entire group, beginning with the next designated station in the system data base.

Pilot Circular Hunt Group - A call to a busy pilot station causes the system to hunt the entire group in a circular manner until an idle station is found.

Terminating Hunt Group - When terminating hunting is used, the call hunts from the busy called station to the end of the group, and terminates when the last station is reached.

Pilot Terminating Hunt Group - Only a call to a busy pilot number will hunt, when the last station in the group is reached, hunting terminates.

There are a maximum of 5000 Circular hunt groups per system and 1000 Pilot groups, with a maximum station count of 63 stations per group.

A station can be a member of both one pilot hunt group and one circular or terminating group.

Solicitation:

C.3.20 INTERCEPT TREATMENT

Response:

COMPLIANT.

The proposed [redacted] supports intercept treatment through Vacant Number Intercept.

Vacant Number Intercept provides automatic interception of calls that re placed to the following:

- o Unassigned station numbers.
- o Stations not classmarked to receive DID, QDID, FNA, or CCSA calls.
- o Originate Only stations.
- o Stations in a different tenant
- o Stations in DID

Calls to either unassigned stations or the situations described above are either routed to a recorded announcement machine, and Attendant Console (or UNA device if system is in night mode), or receive reorder tone if appropriate.

Solicitation:

C.3.21 MESSAGE WAITING

Response:

COMPLIANT.

A station user is alerted by either a flashing LED lamp or broken dial tone when the station goes off-hook that a station, message center, or attendant has a message waiting for that user.

Solicitation:

C.3.22 ABBREVIATED DIALING

Response:

COMPLIANT.

The proposed system supports three distinct type of Speed Calling (Abbreviated Dialing). These types are system, group, and station Speed Calling. an attendant or classmarked stations are able to call selected numbers by means of an abbreviated dialing sequence from one to three digits in length.

Solicitation:

C.3.23 RECORDING (NRCOC ONLY)

Response:

COMPLIANT.

The Contractor has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of these provisions.

Solicitation:

C.3.24 CALL FORWARDING, BUSY AND NO ANSWER

Response.

COMPLIANT.

The Contractor has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of these provisions.

Solicitation:

C.3.25 CALL FORWARDING-VARIABLE

Response:

COMPLIANT.

The Contractor has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of these provisions.

Solicitation:

C.3.26 CALL HOLD

Response:

COMPLIANT.

The proposed system allows a station to place a call in a hold state and then hang up by simply flashing and then entering the access code. The station user can then originate or receive calls. Any other station in the system, COS-enabled, can retrieve a call from the hold status. An automatic recall to the holding station is provided for calls that exceed a predefined time interval.

Solicitation:

C.3.27 CALL PARK

Response:

COMPLIANT.

The Call Park feature on the proposed system allows a station to place a call in a special hold state associated with a valid destination code. After parking the call, the station may hang up (disconnect) and is free to retrieve an incoming call or use the phone for other purposes.

To retrieve a parked call, the station user enters a park retrieval code plus the destination number of the parked call.

When the parked call has been in the parked status for a specified period, the station will be recalled. If the parking station is busy, the parked call will be routed to the attendant in day mode, and in night mode the call remains in the parked status until the parking station becomes idle or the parked call is retrieved.

Solicitation:

C.3.28 CALL PICKUP

Response:

COMPLIANT.

The F9600 supports Call Pick-Up/Call Pick-Up in Multi-Groups. Station users (COS-enabled) can enter an access code to answer any calls ringing in to any station within their own predefined pick-up group. Call pick-up in Multi-Groups allows up to ten call pick-up groups to be linked to form a larger group. Any station in the multi-group has the ability to answer a call in any of its ten assigned Call Pick-up groups.

There is an unlimited number of pick-up groups and an unlimited number of members per group in the system. A station, however, cannot belong to more than one pick-up group.

Up to 3000 Multi-Groups can be registered in the system.

Solicitation:

C.3.29 CALL TRANSFER

Response:

COMPLIANT.

The Contractor has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of these provisions.

Solicitation:

C.3.30 CALL WAITING

Response:

COMPLIANT.

The proposed system station users have the ability to place an existing call on hold and speak with a second party who has camped on to their station. The busy station receives one short burst of tone when camped on to.

Station users with a display set are also provided with the calling party's name and/or number whenever a call is queued or camped-on to a busy station.

Solicitation:

C.3.31 CONFERENCE CAPABILITY

Response:

COMPLIANT.

The [redacted] supports three-way conferencing with any combination of inside/outside parties.

Solicitation:

C.3.32 CONSULTATION HOLD/ADD ON

Response:

COMPLIANT.

The [redacted] allows a station to put a call on hold and consult with another party either inside or outside the system. Once connected to the party, the station user can then:

- o Establish a three-way conference.
- o Transfer the call either inside or outside the switch.
- o Be reconnected to the original party.

Solicitation:

C.3.33 INTERCOM

Response:

COMPLIANT.

The proposed system enables a station user within a group, to dial an intercom station number in an intercom group using a special intercom line. The called station rings the same as an internal station call and the calling intercom number is displayed if appropriate.

Three type of intercom groups are available:

- o Dial Intercom (1 digit) maximum 100 groups with up to 10 members each.
- o Dial Intercom (2 digit) maximum 768 groups with up to 32 members each.
- o Private Intercom - Maximum 100 groups per system.

Solicitation:

C.3.34 DO NOT DISTURB

Response:

COMPLIANT.

The proposed system support the basic DND feature as described and also allows for a DND advisory message for a display set that calls another station in DND. Up to 19 advisory messages are available.

A station user in the [redacted] can selectively allow a designated stations to still ring through, even though the calling station may not be classmarked for DND override.

Solicitation:

C.3.35 PRIVACY

Response:

COMPLIANT.

All stations in the [redacted] are automatically registered for privacy through M&N commands, but can be canceled by the controlling station via privacy release.

Solicitation:

C.3.36 EXECUTIVE OVERRIDE

Response:

COMPLIANT.

The [redacted] utilizes Executive Busy Override which allows a station with the proper COS to break into a station-to-station or station-to-trunk connection.

A station user classmarked for Executive Busy Override hears a distinctive busy tone, signaling that break-in is allowed. The station user flashes and enters the Executive Busy Override access code or presses the feature access button on a Digital Set.

The overriding party hears service tone for two seconds and the overridden parties hear two seconds of a distinctive busy tone followed by a continuous low volume tone for the duration of the break-in. The tone can be removed on a system wide basis by a change in the customer's database.

Solicitation:

C.3.37 BUSY OVERRIDE

Response:

COMPLIANT.

The feature is the instituted the same as the Executive Busy Override described in the previous response.

Solicitation:

C.3.38 LAST NUMBER REDIAL

Response:

COMPLIANT.

The number entered for the most recent outgoing trunk call or station call is stored for automatic dialing later. A new number is stored, overwriting the previous number, each time a new outgoing number or station is successfully dialed. The number stored must have been a successfully dialed trunk call (via ARS or direct trunk access) or station call, not a call made through Speed Calling or Autodial.

To redial the last number automatically, the user goes off-hook while the station is idle and enters the access code for Last Number Redial.

Solicitation:

C.3.39 SPECIALIZED CONFERENCE BRIDGE (NRCOC ONLY)

Response:

COMPLIANT.

GTI is proposing the TEMPO conference bridge from Confertech to meet this important requirement. The TEMPO conference bridge is a third generation system design that links conferees together in natural, interactive electronic telephone meetings featuring premium sound quality and consistent audio levels. The TEMPO system's non-blocking architecture dynamically allocates up to 72 ports to permit as many as ten simultaneous conferences, or subconferences. Multiple operators can work together from a single location or in distributed networks to speed call set up and optimize network efficiency. A variety of conference modes, including meet-me, dial-out, passcode, broadcast and chairperson-dialed are readily accommodated. The TEMPO is software controlled and offers a wide range of feature packages and customization options.

Solicitation:

C.3.40 UNIFORM CALL DISTRIBUTION (UCD)

Response:

COMPLIANT.

The proposed [redacted] offers ACD (Automatic Call Distribution) instead of UCD. ACD is a more efficient way to distribute calls than UCD. UCD does not consider longest idle agent when distributing calls, therefore an efficient agent may receive twice the amount of calls than a slower less productive agent would. With the ACD package, the user can be better assured of and equal distribution of calls between agents. The ACD package proposed supports up to 320 agents.

Solicitation:

C.3.41 INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

Response:

COMPLIANT.

The proposed [redacted] from Fujitsu was designed from the ground up to accommodate ISDN. The architecture of switch with its Single Stage switching network allows access to broader bandwidth which will accommodate future ISDN features. [redacted] is one of only three manufacturers that have an ISDN (vice ISDN compatible) switch on the market. The [redacted] is designed to accommodate PRI now and by 4/91 will accommodate BRI.

Solicitation:

C.3.42 OFF-PREMISES EXTENSION (OPX)

Response:

COMPLIANT.

The Contractor has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of these provisions.

The [redacted] has no limit to stations assigned as OPX's

Solicitation:

C.3.43 PAGING ACCESS

Response:

COMPLIANT.

The proposed system provides the capability to support the two types of paging systems that control one zone or multiple zones. The paging systems with following capabilities are handled:

- o Interface to PBX:BWC interface with loop or ground start.

- o Type of paging system: one zone or multiple zones.
- o Number of zones/paging systems: Maximum 64 systems.
- o Number of groups/paging system: Maximum 16 groups.
- o Number of zones/group: maximum 16 zones.
- o Number of digits outpulsed to paging system: One or two digits.

The paging system can be accessed by station or the attendant.

Solicitation:

C.3.44 FAILURE TRANSFER

Response:

COMPLIANT.

The proposed [redacted] provides a metallic connection from a standard station instrument to a PBX-trunk in the event of complete system failure including primary power failure. Station tip and ring are switched directly to the central office side of the trunk cable pair. Each power failure transfer card handles 10 trunks to 10 stations.

Solicitation:

C.4 STATION CHARACTERISTICS AND FEATURES

Response:

COMPLIANT.

The Contractor has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of these provisions.

Solicitation:

C.4.1 STATION SPEED CALLING

Response:

COMPLIANT.

The [redacted] supports three distinct types of Speed Calling; system, group, and station Speed Calling.

System and group Speed Calling is programmed from a Maintenance Console into the system along with a trunk, ARS, or AAR access code. Station Speed Calling is input from individual stations. A station user enters a feature access code followed by the Speed Calling code. This can be one to three digits. The Speed Numbers can be up to 30 digits in length.

Solicitation:

C.4.2 EQUIPMENT STANDARDS

Response:

COMPLIANT.

The Contractor has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of these provisions.

Solicitation:

C.4.2.1

Response:

COMPLIANT.

The Contractor has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of these provisions.

Solicitation:

C.4.2.2

Response:

COMPLIANT.

The Contractor has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of these provisions.

Solicitation:

C.4.2.3

Response:

COMPLIANT.

The Contractor has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of these provisions.

Solicitation:

C.4.3 VOICE/DATA TERMINAL SETS

Response:

COMPLIANT.

The Contractor has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of these provisions.

Solicitation:

C.4.4 ELECTRONIC TELEPHONE SETS

Response:

COMPLIANT.

The Contractor has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of these provisions. The sets proposed include the [redacted]

The [redacted] has fourteen line/feature access buttons, and eight fixed feature buttons. The instrument includes full speakerphone capability and a 20 character X 2 line LCD display.

The [redacted] has twenty-eight line/feature access buttons, and eight fixed feature buttons. This instrument includes full speakerphone capability and a 20 character X 2 line LCD display.

Solicitation:

C.4.5 HANDICAPPED

Response:

COMPLIANT.

The Digital Telephones on the [redacted] support a three position Ringer Tone Control to differentiate one set from another.

Solicitation:

C.4.10 DATA MODULES

Response:

COMPLIANT.

All telephones behind the [redacted] can be paired with a Data Interface Unit that allows digital transmission.

Solicitation:

C.4.11 SPEAKER UNIT

Response:

COMPLIANT.

The Digital Terminals on the [redacted] are equipped with speakerphones which would allow for monitoring selected conversations.

GTI is proposing the [redacted] to meet the speakerphone requirement for analog stations. The [redacted] is a hands free unit with automatic switching circuit, mute button and a built-in condenser microphone. The unit has LED indicators for On and Mute and is totally telephone line-powered.

Solicitation:

C.5 ATTENDANT CONSOLE FEATURE REQUIREMENTS

Response:

COMPLIANT.

The Contractor has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of these provisions.

Solicitation:

C.5.1 CONSOLE OPERATIONS

Response:

COMPLIANT.

GTI understands that the NRCOC will have three attendant consoles and is proposing to meet these requirements without exception.

Solicitation:

C.5.1.1

Response:

COMPLIANT.

All features of then attendant consoles positions on the proposed [redacted] are powered by the system battery backup.

Solicitation:

C.5.1.2

Response:

COMPLIANT.

All attendant positions on the [redacted] have the same capabilities including access to all trunks and stations and interposition transfer of calls.

Solicitation:

C.5.1.3

Response:

COMPLIANT.

The consoles proposed on the [redacted] will be provided with attendant and supervisor handsets and headsets. An additional phone will be provided next to the Attendant console to provide speakerphone capabilities.

Solicitation:

C.5.1.4

Response:

COMPLIANT.

The consoles proposed support the recording of voice data to the Attendant by inserting a recording device between the console and the handset/headset.

Solicitation:

C.5.2 NIGHT SERVICE

Response:

COMPLIANT.

The [redacted] supports Night Service which is automatically activated when the system is placed in the night mode. Through a combination of FNA (Flexible Night Answer) and/or UNA (Universal Night Answer) at least three types of night service can be provided. The definition of the services are accessible/programmable from a selected MS terminal.

Solicitation:

C.5.2.1

Response:

COMPLIANT.

Through the use of FNA, the system will automatically route pre-defined incoming trunks to any station within the system including another attendant console. All calls transferred from the primary attendant to a remote attendant or a remote digital phone are flagged with a visual indicator showing that the call has been transferred from the primary attendant. This feature is provided through the Incoming Call Status Display.

Solicitation:

C.5.2.2

Response:

COMPLIANT

Again, through the use of FNA, the system will automatically route pre-defined incoming trunks to any station within the system including a recorded announcement.

Solicitation:

C.5.2.3

Response:

COMPLIANT

Through the use of UNA, incoming trunk calls will activate an external bell and then can be answered by any station in the system afforded UNA capability by entering a specific access code. All three types of Night Answering can be handled simultaneously by pre-defined selection of actions to be taken on incoming trunks. Trunks not specifically routed to FNA will automatically be processed via the UNA feature when Night Service is activated.

Solicitation:

C.5.3 ALPHANUMERIC DISPLAY

Response:

COMPLIANT

An alphanumeric display is provided as an integral part of the [redacted] Attendant console. It is a forty (40) character X two (2) line alphanumeric vacuum fluorescent display. Either by the use of digits and/or alphabetical designations, all of the following requirements are appropriately displayed on the console:

- The trunk circuit to which the attendant is connected.
- The station number, COS and RSM of the station communicating with the Attendant Console.

Solicitation:

C.5.4 ATTENDANT CAMP-ON/RECALL

Response:

COMPLIANT

Through the Camp-On - Attendant and the Automatic Recall features of the [redacted] Attendant Console, the requirement as delineated are exactly provided.

Solicitation:

C.5.5 ATTENDANT TRANSFER

Response:

COMPLIANT.

The [redacted] can transfer a call on a loop key to another Attendant Console that is connected to the same tenant.

Solicitation:

C.5.6 ATTENDANT PAGING

Response:

COMPLIANT.

The attendant operator can access any paging capability in the system including if available one, multiple, or all zones through the depression of the Paging Access/Direct option button.

Solicitation:

C.5.7 BUSY OVERRIDE

Response:

COMPLIANT.

The attendant can break in on any established two-party connection. This feature is activated by dialing the access code for the "Verify" feature. A warning tone is provided to alert both parties before the break-in occurs.

Solicitation:

C.5.8 BUSY LINE CALL PROCESSING INDICATION

Response:

COMPLIANT.

The proposed attendant console will be provided with a Direct Station Selection/Busy Lamp Field (DSS/BLF) device. Each proposed DSS/BLF contains 100 Busy Lamp Fields, a three digit numeric display and 110 non-locking metallic contact keys for direct station selection and/or group direct station selection.

The BLF display is automatically updates as stations go on and of-hook, causing their respective indicator lights to illuminate or extinguish. The [redacted] can have up to 32 BLF's each monitoring 100 lines.

Solicitation:

C.5.9 THROUGH DIALING

Response:

COMPLIANT.

The [redacted] allows the attendant to give stations, normally denied by COS, access to outgoing trunks including TIE and AAR/ARS.

Solicitation:

C.5.10 DIRECT TRUNK SELECTION

Response:

COMPLIANT

The [redacted] attendant can access any trunk group directly without dialing the trunk group access code. This is done by using the programmable feature buttons on the Attendant Console. The trunk circuit number and type are displayed to inform the attendant of the specific trunk chosen. If a trunk is busy or inactive a distinct audible signal will be heard upon access as well as when the trunk is out of service .

Solicitation:

C.5.11 ENABLE/DISABLE SWITCH

Response:

COMPLIANT.

The [redacted] has a button on the attendant console which allows the attendant to stop call processing at that console.

Solicitation:

C.5.12 HANDS FREE OPERATION

Response:

COMPLIANT.

The proposed attendant console fully support connection of a headset to allow for hands-free operation.

Solicitation:

C.5.13 INCOMING CALL IDENTIFICATION

Response:

The [redacted] console supports call identification. A station number and/or name as well as a trunk number and/or name is displayed when ever a call is answered by the attendant regardless of trunk type or station type. In addition, the following information is provided/displayed:

1. LDN Group, trunk number displayed.
2. DID Group, trunk number displayed.
3. FTS Group, trunk number displayed.
4. In-house, station number displayed
5. Intercept
6. Return to operator on timed call
7. ENS Circuit
8. HPN Circuit
9. FX Circuit
10. WATS, trunk number displayed
11. OPX, station number displayed.

Solicitation:

C.5.14 INTERPOSITION CALLING

Response:

COMPLIANT.

The [redacted] supports Loop Transfer whereby the attendant can transfer a call on a loop button or originate a call to another Attendant Console which is connected to the same or common tenant.

Solicitation:

C.5.15 LAMP TEST

Response:

COMPLIANT.

The [redacted] Attendant Console can perform self test which after running displays an audible/visible indication of either pass or failure. The test is started by powering up the console and depressing the "Test Switch" on the bottom of the console. The test includes the testing of all displays on the console.

Solicitation:

C.5.16 REMOTE CALL FORWARDING

Response:

COMPLIANT.

The [redacted] complies as required.

Solicitation:

C.5.17 RING VOLUME CONTROL

Response:

COMPLIANT.

The [redacted] attendant console contains a slide bar to adjust the ringing volume on the console. Additionally, the ringing can be muted.

Solicitation:

C.5.18 SWITCHED LOOP OPERATION

Response:

COMPLIANT.

The [redacted] console has several loop keys, however, all calls to the attendant can be answered by using the ANSWER button. When the attendant is busy with a call, additional calls form a call waiting queue. In a multi-console system, distribution of calls to the Attendant Consoles is done from the queue. The Attendant Console can be set, as an option for Auto Answer. In this case, the attendant hears a tone and is connected to the call.

Solicitation:

C.5.19 TRUNK-TO-TRUNK CONNECTIONS

Response:

COMPLIANT.

The [redacted] allows the connection of any two trunks that terminate in the system.

Solicitation:

C.5.20 TRUNK VERIFICATION

Response:

COMPLIANT.

The [redacted] allows the attendant to gain access to a trunk by entering the trunk verification code and trunk equipment number. The attendant can verify its supervision and transmission if the trunk is idle. It can also be used to verify the status of a busy trunk.

Solicitation:

C.6 SYSTEM TRUNK COMPATIBILITY AND CHARACTERISTICS

C.6.1 DIALING AND FACILITY ACCESS

Response:

COMPLIANT.

The [redacted] provides the ability to have DID and DOD access the PSN through all of the standard type of interconnect circuits including CO, TIE, etc... PSN access includes FTS 2000 (via 4 wire E&M) and any of the long distance carriers including AT&T, MCI, GTE and SBS.

Access capabilities are per CCITT recommendation G.711. Interoffice signaling is as prescribed by the external carrier.

The proposed [redacted] is capable of maintaining the appropriate transmission loss plans as necessary for the various interconnect circuits in accordance with "Notes on the Network", Chapter 7, 1989, AT&T.

The system has the ability to allow data applications to automatically bypass any switched pads.

Solicitation:

C.6.2 SWITCHING AND INTEGRATION

Response:

COMPLIANT.

The [redacted] being a full featured PBX, integrates all of the services required including:

- Trunks
- Switching apparatus
- Telephone instruments
- Data Terminals
- Interface Devices
- Customer-owned ancillary equipment
- Twisted pair cable

C.6.2.1

COMPLIANT.

The [redacted] complies with all of the Grades of Service required including:

-	Terminating Calls	P.01
-	Originating Calls	P.01 (after dial tone)
-	Intraoffice Calls	P.005 (after dial tone)
-	Dial Tone/data connection Percentage	Not more than .5% of calls will be delayed over 3 seconds.

C.6.2.2

COMPLIANT.

All [redacted] trunks comply with the P.01 Grade of Service required. No engineering is required to accomplish this Grade of Service.

C.6.2.3

COMPLIANT.

The [redacted] supports any and/or all two-wire, four-wire, and T-1 interfaces.

C.6.2.4

COMPLIANT.

The LDN's can and will be configured exactly as specified by the Government without exception.

Solicitation:

C.6.3 NUMBERING PLAN

Response:

COMPLIANT.

GTI understands that the numbering plan will be compatible with the existing and future numbering plan of the FTS 200 and local message network. GTI will insure that the installed switch(s) will be configured with numbering plan's exactly as specified.

C.6.3.1

COMPLIANT.

GTI understands the Government's requirements for access codes to CO trunks, FTS, FX, dial repeating tie lines, operator trunks, WATS, etc... GTI will provide access as required including:

(0)	-	Operator Assistance
(9)	-	CO Trunks (DOD)
(8)	-	FTS DOD and Central Core Switching System (CCSS) access when implemented.
(1)	-	Special access (Conference, paging, etc..)
(#)	-	Feature use
(*)	-	Feature use

C.6.3.2

COMPLIANT.

GTI's proposed solution insures that the remaining codes 2 through 7 will be capable of providing access to speed dialing, direct trunk groups, and directory numbers. The dynamic capability of assigning numbering plans provided by the proposed [redacted] system also provides the capability to "tailor" each system in regards to other trunks or tie-line groups to meet individual NRC Project Officers' needs.

C.6.3.3

COMPLIANT.

The proposed system, the [redacted] can assign voice and data stations one to five digit numbers within the same system or network. This is fixed on a system wide basis. Feature access codes utilize either one, two, or three digits.

C.6.3.4

COMPLIANT.

The proposed system will support and GTI will provide the functionality to direct all NRC LDN originated calls to the NRCOC attendant console.

Solicitation:

C.6.4 SURGE PROTECTION

Response:

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

Solicitation:

C.6.5 TANDEM SWITCHING

Response:

COMPLIANT.

The [redacted] supports tandem switching and utilizes a number of different type of transmission facilities to link the system with other switches in the network.

The system can provide non-supervised trunk-to-trunk connections and is able to switch incoming tie trunk calls either automatically, using ARS to accommodate public network facilities and AAR accommodated private network facilities, or manually using cut-through on tie trunks. The system can also route on-net calls off-net when less costly routes are available.

Solicitation:

C.6.6 TRUNKING GROUPS

Response:

COMPLIANT.

The [redacted] supports up to 999 trunk groups with up to 127 trunks per group. Assignment of trunk groups are a COS feature.

Solicitation:

C.6.7 TRUNK SIGNALS

Response:

COMPLIANT.

The proposed [redacted] supports most of the available trunk signalling types including:

a. Wink Start
b. Immediate Start
c. Delayed, start, variable through programming
d. Dial tone detection
e. Four-wire E&M

Solicitation:

C.6.8 TRUNK OPERATION

Response:

COMPLIANT.

The [redacted] will accommodate the following trunk operations:

a. Ground Start
b. Loop Start
c. Cut through
d. Senderized Signalling

Solicitation:

C.6.9 TONE EQUIPMENT

Response:

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

C.6.9.1

COMPLIANT.

The call progress tones supported by the proposed system are in full conformance with EIA RS-464, Section 4.7.

C.6.9.2

COMPLIANT.

The system proposed includes devices that provide ringing as required. In addition, also as required, the system generates a remote alarm at both the console and at the EMML (maintenance) terminal.

Solicitation:

C.6.10 T1 (DS1) INTERFACE

Response:

COMPLIANT.

The [redacted] is fully compatible with the North American T-1 Standards. GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

Solicitation:

C.6.11 SATELLITE

Response:

COMPLIANT.

The [redacted] complies with the interface requirements of both C and KU band inbound and outbound satellite service.

Solicitation:

C.7 TRAFFIC AND USAGE DATA:

C.7.1 MANAGEMENT SYSTEM (MS)

Response:

COMPLIANT

GTI is proposing a combination of products to meet this requirement. The MS will run on a GTI supplied [redacted] Personal Computer with [redacted] a [redacted] letter quality dot matrix printer. The system will also contain a Cubix 1044 board for connection of up to 4 terminals and the entire system will be Novell compatible. The PC will be connected to the system emergency battery power supply.

In addition to the hardware proposed, GTI is proposing several software packages that together meet all of the MS requirements.

The first package to be provided is the [redacted] Enhanced Man-Machine Language (EMML) system. The EMML is a dedicated system that is in constant communication with the PBX. It provides an interface from a [redacted] machine for programming and traffic analysis of the connected switch.

The second package is the [redacted] This suite of software also runs on the previously described computer. The suite of software includes:

1. DataBase Module.

   - o Call Accounting
   - o Cost & Budget Allocation

- o Directory/Message Center
- o Report Writer

2. Inventory/Work Order

- o Equipment Cost Allocation
- o Inventory System
- o Work Order Entry
- o Technician Time/Charges

3. Facilities Management

- o Trouble Tickets
- o Cable Tracking
- o Traffic Analysis
- o Automatic Cable Assignment

The [redacted] proposed, together with the EMML package previously described will provide all of the information required in paragraphs C.7.2, C.7.3, and C.7.4 below.

Solicitation:

C.7.2 MS REPORTS

Response:

COMPLIANT

Per our response to C.7.1 above, GTI will meet or exceed all of the requirements stated.

Solicitation:

C.7.3 DATA BASE CHANGES

Response:

COMPLIANT

Per our response to C.7.1 above, GTI will meet or exceed all of the requirements stated.

Solicitation:

C.7.4 ATTENDANT POSITION WORKLOAD

Response:

COMPLIANT

Per our response to C.7.1 above, GTI will meet or exceed all of the requirements stated. In particular, the EMML package will provide the majority of the software required to meet these requirements.

Solicitation:

C.8 CONTRACTOR RESPONSIBILITIES

Response:

C.8.1

COMPLIANT.

GTI will be solely responsible for providing the switching capabilities and equipment quantities identified for the system as specified in Table 1.

C.8.2

COMPLAINT.

GTI will be responsible for coordination with the LEC as required.

C.8.3

RESERVED

C.8.4

COMPLIANT.

GTI will be responsible for trouble notification and assistance as required.

C.8.5

COMPLIANT.

GTI understands that we will be solely responsible to insure that the proposed system is compatible with all other network switching systems, circuits, and facilities connected to or interfaced with.

C.8.6

COMPLIANT.

GTI will be responsible for identifying an interface device or equipment connection as specified.

C.8.7

COMPLIANT.

GTI will not make any commitment to install, order or place in service any type of equipment that would cause a financial obligation by the NRC unless the NRC KO or designee has issued a service order.

C.8.8

COMPLIANT.

GTI will deliver all appropriate system documentation and will additionally ensure that the system will perform to specifications as required.

C.8.9

COMPLIANT.

The system proposed is designed to support the traffic load specified in para C.2.2. In addition, the system has been designed and will be delivered with the capability to handle emergency operations with peak loads of 33ccs per ENS line.

C.8.10

COMPLIANT.

GTI will provide user training as specified in C.13.

C.8.11

COMPLIANT.

GTI has included an hourly rate to provide services as specified and as required.

C.8.12

COMPLIANT.

GTI and [redacted] are committed to and will provide spare parts for the design life of the system.

C.8.13

COMPLIANT.

GTI will appoint an on site Contractor Project Officer. This individual will be a GTI employee and will represent GTI during installation and normal operations.

C.8.14

COMPLIANT.

GTI will provide system power required by paragraph C.10 of this contract.

C.8.15

COMPLIANT.

GTI will remove any existing system cable that is both not used elsewhere and not used by the system.

Solicitation:

C.9 NRC RESPONSIBILITIES

Response:

GTI has throughly read and understands all of the Government responsibilities, C.9.1 - C.9.4.

Solicitation:

C.10 SYSTEM POWER REQUIREMENTS

C.10.1 EMERGENCY POWER RESERVE

Response:

COMPLIANT

GTI is proposing a suite of equipment from [redacted] to meet all of the Emergency and Non-Emergency Power Requirements of this solicitation and of the proposed systems. The NRCOC will be configured with a battery subsystem that will provide up to 4 hours of emergency back-up reserve power. The system proposed includes all necessary modules, alarms, batteries and racks to meet the Government's requirements.

GTI has determined that the UPS available at the NRCOC will in fact meet the static switching requirements of the proposed equipment in the unlikely event that the proposed system fails.

For those sites other than the NRCOC, GTI is proposing a suite of [redacted] power equipment that will provide the appropriate amount of 48DCV power from provided 120AC circuits to run the proposed switches as required.

All power equipment proposed has at least a 10 year systems life.

Solicitation:

C.10.2 BATTERY CHARGERS

Response:

COMPLIANT

GTI is proposing dual battery chargers and associated alarms and connectors to provide emergency power as required. Again, all equipment proposed is manufactured by [redacted]

Solicitation:

C.10.3 POWER SUPPLIES

Response:

COMPLIANT

GTI is proposing power equipment from [redacted] The proposed power systems pricing includes all batteries, charging and control equipment, and associated test equipment .

Solicitation:

C.10.4 POWER EQUIVALENCY

Response:

COMPLIANT

The systems proposed provide industry standard and regulated 48DCV power for connection of other local telephone company-provided support equipment. GTI has proposed equipment that in fact provides more power than that required by the proposed PBX and ancillary equipment. In every event possible, if the proposed power system has the additional power required available, it will be used as required. It should be noted that GTI has no real knowledge of the total amount of power that may actually be required and can therefore not plan for nor guarantee that enough power will be available to support all of the possible other equipment in the switch room.

Solicitation:

C.11 SYSTEM IMPLEMENTATION AND INSTALLATION

Response:

Solicitation:

C.11.1 IMPLEMENTATION PLANS

Response:

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

Solicitation:

C.11.2 SYSTEM DESIGN PLAN

Response:

COMPLIANT.

GTI has read, unnerstands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requiremonts stated without taking exception to any of the stated provisions.

Solicitation:

C.11.3 CROSS-CONNECT ARRANGEMENT

Response:

COMPLIANT.

GTI's standard installation policy, which is what is being proposed for this procurement, ensures that cross connects are specifically engineered to provide ease of maintenance and flexibility in arrangement.

Solicitation:

C.11.4 TERMINATION STANDARDS

Response:

COMPLIANT.

System terminations will be engineered in accordance with ITA standards and with Part 68 of the FCC rules.

Solicitation:

C.11.5 EQUIPMENT ROOM AND SITE PREPARATION

Response:

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

In all cases, GTI is proposing the use of on-site facilities.

Solicitation:

C.11.6 CABLE AND CABLE DISTRIBUTION

Response:

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

Solicitation:

C.11.7 CABLE INSTALLATION

Response:

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

Solicitation:

C.11.8 STATION WIRING

Response:

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

All stations proposed, including Data Stations, Single Line Telephones, and Digital Stations only require a single pair.

Solicitation:

C.11.9 CABLE DISTRIBUTION FRAMES

Response:

COMPLIANT.

Agreed.

Solicitation:

C.11.10 CLEAN UP

Response:

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

Solicitation:

C.11.11 FOLLOW-ON INSTALLATION

Response:

COMPLIANT.

GTI is proposing and has included pricing for additional maintenance services. All installation and maintenance pricing includes appropriate parts and labor.

Solicitation:

C.12 MAINTENANCE

C.12.1 MAINTENANCE ACCESS

Response:

COMPLIANT.

GTI has read, and understands this requirement.

Solicitation:

C.12.2 WARRANTY

Response:

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

Solicitation:

C.12.3 SYSTEM AVAILABILITY

Response:

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

Solicitation:

C.12.4 MEAN RESTORE TIME (CATASTROPHIC FAILURE)

Response:

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

Solicitation:

C.12.5 SERVICE INTERRUPTIONS

Response:

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

Solicitation:

C.12.6 PREVENTIVE AND REMEDIAL MAINTENANCE

Response:

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

C.12.6.1

GTI will provide, at contract award, a schedule of preventive maintenance required by the system nmanufacturer. GTI agrees that preventive maintenance will include periodic testing and inspections.

C.12.6.2

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

Solicitation:

C.12.7 DIAGNOSTIC TESTING

Response:

COMPLIANT.

The [redacted] supports the connection of multiple Maintenance Consoles. These maintenance consoles can be connected locally, or , they can be connected remotely via dial-up modem. In either case, these Maintenance Consoles have the capability to start and monitor test and diagnostics routines.

GTI is proposing the capability for direct GTI access via this remote maintenance capability to meet the stated Government requirements exactly as stated.

C.12.7.1

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

C.12.7.2

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

C.12.7.3

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

Solicitation:

C.12.8 PRINCIPAL PERIOD OF MAINTENANCE (PPM)

Response:

COMPLIANT.

GTI understands that the principal period of maintenance (PPM) will be from 0730 to 1630 Monday through Friday (except for legal Government holidays) for the regions. Additionally, GTI understands that the NRCOC requires maintenance 24 hours per days 7 days per week.

Solicitation:

C.12.9 EMERGENCY AND PER CALL MAINTENANCE

Response:

COMPLIANT.

GTI will provide emergency maintenance to the Regions on a per call basis 24 hours per day, 7 days per week. The cost for OPPM, applicable only to the regions per your requirements, has been included in our price proposal to you.

Solicitation:

C.12.10 MAINTENANCE SERVICE RESPONSE TIME

Response:

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

Solicitation:

C.12.11 PERSONNEL QUALIFICATIONS

Response:

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

Solicitation:

C.12.12 SPARE PARTS

Response:

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

Solicitation:

C.12.13 REPLACEMENT PARTS AVAILABILITY

Response:

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

A copy of the Manufacturer's certification is provided as required.

Solicitation:

C.12.14 THIRD PARTY SERVICE VISIT COST

Response:

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

Solicitation:

C.12.15 MAINTENANCE RECORDS AND REPORTS

Response:

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

Solicitation:

C.12.16 SOFTWARE RELEASES

Response:

COMPLIANT.

GTI understands the Government's requirement concerning software upgrades. This service will be provided at no additional charge.

Solicitation:

C.12.17 SYSTEM DRAWINGS

Response:

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

Solicitation:

C.13 TRAINING

Response:

COMPLIANT.

GTI will coordinate and provide training at the user sites. Training will include both hardware and software operations of the [redacted] system proposed. Pricing of the training has been included in the price proposal.

Solicitation:

C.13.1 EQUIPMENT TRAINING

Response:

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

In meeting this requirement, GTI will train all associated NRC personnel as users in the actual working environment at each site.

GTI understands that the time and location of this user training will be mutually agreed upon by the NRC Project Officer and GTI.

Solicitation:

C.13.2 CONSOLE TRAINING

Response:

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

An additional, separate, in-depth training will be conducted for console operators. GTI understands that a minimum of 18 personnel will be trained (2 per Regions I, III, and V, and 12 for the NRCOC).

GTI understands the scheduling as delineated in the specification and will support the NRC Project Officer as required.

Solicitation:

C.13.3 TRAINING MATERIALS

Response:

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

Solicitation:

C.13.4 TRAINING PROPOSALS

Response:

COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is proposing to fully satisfy the requirements stated without taking exception to any of the stated provisions.

Solicitation:

C.14 MANDATORY OPTIONAL CHARACTERISTICS AND FEATURES

C.14.1 Reserved (Per Amendment 3)

Response:

Solicitation:

C.14.2 STATION MESSAGE DETAIL RECORDING

Response:

COMPLIANT.

The proposed [redacted] will include the capability to output SMDR data. The EMML software proposed includes a reporting mechanism for generating reports based on this data. In addition, GTI will fully support the Government in GFE for this requirement.

Solicitation:

C.14.3 Reserved (Per Amendment 3)

Solicitation:

C.14.4 ENVIRONMENTAL SENSOR

Response:

COMPLIANT.

The proposed [redacted] includes environmental sensors in the cabinets that are constantly monitored by the Environmental Monitoring Capability Feature. If a failure is noted, the system generates an appropriate minor/major alarm. Environment checks include heat, air-flow and power surges/spikes.

Solicitation:

C.14.5 FORMAT AND PROTOCOL CONVERSION

Response:

COMPLIANT.

Digital Data Communications is an integral part of the [redacted] capabilities. This inherent feature provides data station users with the ability to transmit asynchronous data a speeds up to 19.2K bits per second, and synchronous data at speeds up to 64K bits per second. Applications utilizing data include:

- Data station to Data station (sync. or async.)
- Data station to Internal Computer Port (sync. or async.)
- Data station to External Computer using the Modem Pooling and Automatic Route Selection.
- Data station to External Computer Port or Data station through a Value Added Network (X.25) with the use of External Protocol Converters.
- Data station to an IBM Environment through the use of External Protocol Converters.

The [redacted] is transparent to code and protocol once the data connection has been established. Terminals and computer ports must be speed and code compabitle, or routed through appropriate speed and/or protocol converters in order to communicate successfully.

DTA's and DIU's can operate as answer or originate or both. Manual or automatic answer can be used.

C.14.5.1

COMPLIANT.

The proposed [redacted] provides an Internal Data Call with Queueing feature. This feature includes many capabilities for the Data user including:

- Internal Data Call with Queueing - Off Hook Camp-on
- Internal Data Call with Queueing - On Hook Camp-on

C.14.5.1.1 and C.14.5.2

COMPLIANT.

The proposed [redacted] system supports keyboard dialing from a Digital Terminal connected to a PC via a data Terminal Adapter

Solicitation:

C.15 APPLICABLE STANDARDS AND REGULATIONS

The GTI Management Plan for Nuclear Regulatory Commission

Introduction

Government Telecommunications Incorporated (GTI) views the Nuclear Regulatory Commission procurement as a high priority commitment of the Government. To insure its successful implementation GTI has brought together a team which provides expertise across all project elements. The selection of team members was deliberate and highly structured. After a thorough analysis of the Nuclear Regulatory Commission requirements GTI identified potential team members in priority order. From this list, GTI approached only the preferred candidates, soliciting their proposals and approaches to specific requirements. GTI knew that the selection process would be critical, not only for our success but also to insure that a compliant system could be proposed. It is with a great deal of satisfaction that GTI can claim that the best has been chosen to join the GTI Nuclear Regulatory Commission Team.

After selection of the team, the program structure was developed. The GTI project has been positioned at the executive level within the corporate organization to ensure project visibility. The project organization itself has been structured with clear lines of authority, and well defined areas of functional responsibility.

Both GTI and recognize the importance of overall project management control in meeting the Nuclear Regulatory Commission procurement and installation dates. Together GTI and have the resources, capacity, and qualifications to deliver the Nuclear Regulatory Commission equipment. GTI's and planning, ordering and control approach facilitates our ability to meet the delivery and service dates as specified within the Nuclear Regulatory Commission procurement.

As the prime contractor, GTI is responsible for all aspects of implementation, administration and operation of the Nuclear Regulatory Commission Telecommunications Systems.

The GTI management approach is based on several requirements that are necessary for effective management and control of the Nuclear Regulatory Commission project.

- Defining project requirements as end deliverable items and services and correlating necessary tasks.
- Developing plans to ensure all requirements are addressed.
- Planning, authorizing and directing project work according to detailed planning.
- Analyzing project schedules through continuous monitoring and reporting procedures.
- Controlling all aspects of the project through implementation of

procedures to identify problems and initiate corrective actions that will ensure quality performance and service.

A successful project requires both quality and effective project management. Our approach is to implement a specifically tailored project organization that accommodates the efficient handling of all management and control, and provides superior technical performance.

GTI Corporate Organization

GTI is a systems engineering, networking and telecommunications company dedicated to providing solution-oriented systems and/or services to the Federal Government and commercial customers at competitive prices. We have built our reputation on the quality and implementations of our technical solutions. Our experienced and highly motivated staff, coupled with our commitment to innovation, ensure complete customer satisfaction. Our contract and client list ranges from the [redacted] As a particular highlight, GTI continues to enjoy an unblemished track record of over three hundred (300) telephony system installations with ongoing life cycle maintenance at [redacted].

Products offered by GTI are in current production and state-of-the-art. But ,even with this policy of providing state-of-the-art equipment, GTI system engineers continuously incorporate many added features currently unavailable within many presently installed mini-supercomputers, minicomputers, data processing and telephony systems. GTI's product lines are subject to review on a continuing basis to ensure that:

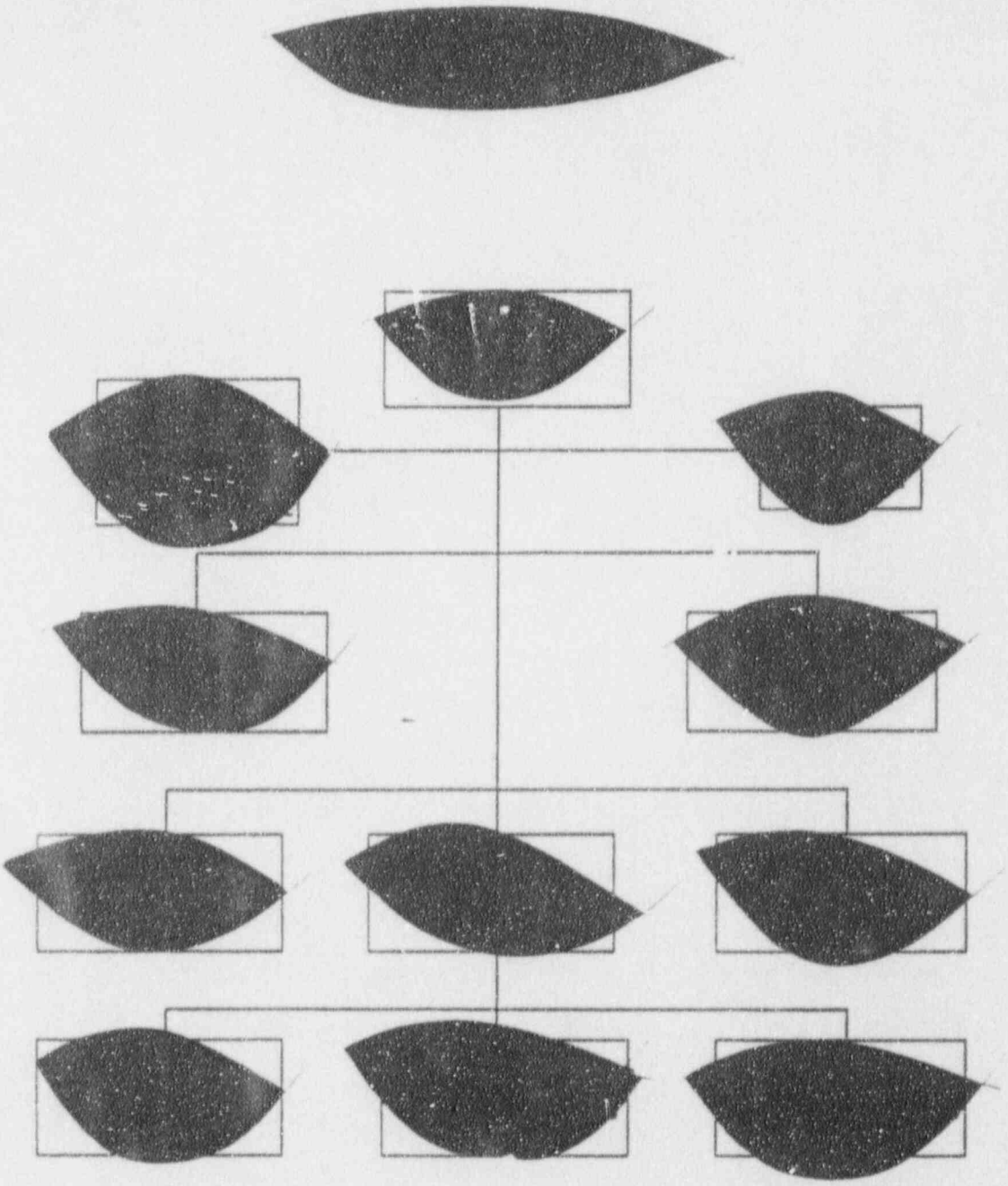
(1) Any newly announced products are thoroughly evaluated technically prior to being proposed or delivered to our commercial and government prospects or customers.

(2) QA/QC standards are maintained by our original manufacturers.

(3) Frequency of repair (MTBF) and time to repair (MTTR) for each product is low.

We consider ADP and telecommunications support and service, particularly very rapid response and early repair times, to be of paramount importance in our support of the U.S. Government and commercial customers. In this respect, where GTI may not presently provide those services at all Government sites, we have developed close working relationships with several maintenance subcontractor's to provide full global support and service. Particular emphasis is placed upon centralized GTI HOTLINE reporting and statistical analysis, with localized installation and maintenance.

Figure 1 contains an overview of GTI's corporate structure, including our Field Operations organization.



FIELD OPERATIONS ORGANIZATION AND PERSONNEL

The GTI Field Operations Group will provide customer support tailored to meet specific requirements for Government Solicitations. This organization is staffed with dedicated, highly technical professionals to provide the optimal technical, cost-effective system and support services to meet the specific requirements of the program mission and objectives. GTI currently maintains more than 95% of all equipment installed under contract and maintains a full-time staff of experienced computer and telecommunication field service representatives, maintenance and repair technicians, and support engineers and logisticians.

The TOTAL system support provided by GTI to our customers will be the combined effort of all of the functional groups within the Field Operations organization. The Field Operations organization is comprised of the Field Service Division and the Logistics and Dispatching Department.

FIELD SERVICE DIVISION

GTI prides itself in the professionalism and high degree of competency displayed by our field service representatives and our subcontractor's. These individuals are all graduates of a military or commercial technical school and have experience servicing what GTI sells to our customers. Additionally, all field engineers continue the education process by attending the hardware manufacture's training classes and by attending technical seminars at GTI and elsewhere.

GTI or GTI sponsored field service representatives from other maintenance subcontractors will perform the remedial and preventive maintenance (if required) in accordance with contract specifications and requirements.

Field Service Representatives

GTI has the following grade structure for Field Service Representatives:

Field Service Trainee (GTI-FST).
Associative Field Service Representative (GTI-AFSR)
Field Service Representative (GTI-FSR)
Senior Field Service Representative (GTI-SFSF)
Engineer-in-charge (GTI-EIC)
System Support Engineer (GTI-SSE)

The entry-level field engineering position at GTI is the GTI-FST. To qualify at the entry level, an individual must have graduated from technical school (2 year minimum) or gained requisite training and experience in a military service. Based on additional training, performance, and experience, the individual progresses through the other grades.

Each location is backed up by Field Service Representatives from other locations who will provide support as required.

GTI also maintains a Field Support Operation in Chantilly, Virginia, to back up its field maintenance force. The GTI-SSE is an expert who provides phone and on-site assistance to the field service representatives. They provide the field service representative with summaries and technical information. System Support Engineers (GTI-SSE) also have contact with OEM vendors for additional support in those unique instances when such support or contact is required. These engineers are selected from the "very best": Senior Field Engineers (GTI-SFSR). Each GTI-SSE has a specific area of expertise, along with a "systems-level" logical troubleshooting ability.

LOGISTICS and DISPATCHING DEPARTMENT

The GTI Logistics & Dispatching Department is charged with all purchasing, quality control, and tracking of all GTI equipment parts and systems. These professionals, through the use of the Computerized Logistics System , track all hardware shipped to the field and ensure the replacement parts are in proper working condition. Replacement hardware or spares are shipped in antistatic enclosures to ensure that a working spare part is not destroyed in shipment. This division also performs trend analysis of failed parts. The actual shipping of hardware systems is coordinated by this division.

SYSTEMS SUPPORT, SOFTWARE and TRAINING DIVISION

GTI's Systems Support, Software and Training Division is staffed by highly motivated and highly technical individuals. These individuals are responsible for all system's integration and engineering efforts, as well as technically supporting all current and future GTI system, network, and communication products. Systems Support engineers are equipment specific experts who provide additional phone and technical assistance, both remote and on-site, to the field service representatives. Systems Support engineers provide the Field Engineers with summaries and technical information to inform them of new equipment repair techniques and engineering changes. Support engineers provide configuration management for all GTI systems that have been shipped to customer sites. Support engineers also have contact with OEM vendors for additional support in those unique instances when such support or contact is required. Field support engineers assist GTI integration engineers in the system's integration, manufacturing, and assembly of complex systems, networks, and telecommunications products. GTI Support Engineers maintain an "alert" status board. The status board ensures that total attention is paid to the repair of our customer's systems and that upper management is made aware of all unresolved customer problems.

The GTI Integration Engineer/Technician is a computer and telecommunications assembly-oriented individual who assembles, tests, and configures all GTI customer shipments. The GTI Integration Technician also supports the field engineer by offering expert advice on how the system was configured, assembled, and shipped.

All GTI training is performed by this Division. Experienced software and hardware instructors are at the disposal of our customer base, either directly, or through the facilities of several pre-qualified subcontractors.

PROGRAM MANAGEMENT DIVISION

Introduction

To satisfy customer concern about GTI's ability to support your Program, GTI has developed a definitive and complete Management Plan to provide the most responsive and supportive posture for this Program. Program Management requires a blend of technical talent and resources to meet the requirements of the RFP for both the short and long term. GTI has chosen the technology basis of this proposal to directly address every one of the Government's technical initiatives. This plan describes the program management approach which will ensure the successful implementation of the systems proposed and provides a means to conduct all aspects of the program smoothly.

To guarantee the success of this program, GTI has added the additional resources of its entire organization. The GTI Program Manager (PM) will report directly to the President of GTI. GTI considers this an important contract and will command our best talent for your system support and for installing, maintaining and supporting the systems throughout the life of the contract. The PM will have matrix management responsibilities for all support requirements for this Program. If the need arises, the PM will use the resources of other corporations and subcontractors. The GTI PM will be the single point of contact with our customers. This structure provides unparalleled visibility into the program for corporate management.

Recently, GTI has successfully used a matrix management technique to manage programs successfully. All GTI proposals contain a GTI Program Management Chart, with the matrix management outlined. The matrix form of organization allows specialists from the corporation's internal organizations to be assigned to work on one or more project teams overseen by a program manager. Matrix management permits access to a large pool of personnel and material resources on a direct basis. The guidelines of this approach require close coordination among the organizational elements.

Program Management

Central to satisfactory performance under a contract is an effective management approach to reliably provide equipment and services. The management approach must consider such factors as: internal and external materials and personnel resource scheduling; establishing and meeting project milestones; coordinating the efforts of internal departments; overseeing vendor and sub-contractor performance; and responding to unforeseen issues. GTI appreciates the magnitude of this program and is confident of our ability to provide the superior program management required to ensure its success.

Elements of the management approach within the purview of the PM are:

an ongoing quality assurance program to frequently review progress and quality of deliverables;

technical, management and manufacturing operating procedures that

ensure timely performance;

internal reporting requirements to disseminate appropriate information to top level management and throughout the corporation; and

the GTI commitment to provide the best and most consistent performance available from any vendor.

GTI selects a Corporate Program Manager for all Government contracts. The Corporate Program Manager brings to the project many years experience in managing large Government projects.

Program Manager's Responsibilities

The Corporate Program Manager will have the full authority and accountability to ensure that the program is conducted successfully throughout the life of the contract. The PM has ultimate control and responsibility for all aspects of the Program. The following description provides a general overview of the type of involvement that can be expected of the Program Manager:

liaison with customer -- "Liaison" includes post-award discussions and final negotiations with the Contracting Officer, COTR and other technical or administrative personnel within the Buyer's organization. The Program Manager will be included in all matters of any significant nature: contractual, technical and support (such as maintenance). Although the GTI program Manager will have many people reporting to him, the customer will have only a single point of contact for all matters dealing with GTI products and services.

monitor progress according to the delivery schedule -- The GTI Program Manager will be involved from the inception of the program and he will have specific understanding of the staff requirements and anticipated demand for resources, materials and equipment. This fluency with the entire Program assures that he can correctly administer the project.

track vendor performance -- The Program Manager will act as a liaison with vendors and also will monitor and assure their conformance with the delivery schedules set forth. Since the designated GTI Program Manager has the authority to invoke the penalty clauses of GTI's subcontract agreements, vendors will be especially aware of the need to notify him of any anticipated deviation from the terms of their agreements. This foreknowledge on the designated Program Manager's behalf will enable him\her to either work through programs with vendors or make other arrangements to guarantee that the Government's implementation schedules are met.

schedule installations with GTI/BUYER -- Although shipping and installation are handled by Field Service Operations, the program Manager will expedite the Government-scheduled installations. In the case of the initial site, the smooth setup, test, and acceptance of the equipment will be especially scrutinized and controlled.

oversee support activities, including Maintenance -- The Field Service Operations will perform maintenance services. However, in the event of any complication or dissatisfaction with services, the Program Manager will work with the Government to resolve any perceived problems or negotiate a change in services.

monitor adherence with system reliability levels -- The Program Manager will be responsible for accounting and reporting on the proposed systems availability as an internal reporting requirement. Through daily administration of the contract and periodic tallying of throughput and uptime, the Program Manager will have a clear understanding of the reliability levels being attained. At the first indication that availability may be nearing an unacceptable level, the Program Manager will immediately commandeer resources to establish the cause of lowered availability. Based on the findings of a technical evaluation, the Program Manager will determine what form of resolution is required - whether mere fine tuning or a dedicated task force is in order.

personnel resource management -- At various times throughout the life of the program, it may be necessary to utilize the expertise of GTI technical personnel who are not assigned to the PM. These persons will include software designers, hardware engineers and communications experts. When their specific expertise is required for the contract, the designated Program Manager is authorized to identify the appropriate personnel and direct their efforts.

supervise configuration management and prepare engineering change proposals -- As new or improved versions of the equipment/software offered under this proposal become available, the Program Manager will prepare and deliver an Engineering Change Proposal(s) (ECP) to the Government. This ECP will describe the proposed change and justify its incorporation into the contract. In the event the Government accepts an engineering change, the Program Manager will oversee the activities for installation or substitution of the device.

prepare progress/problem reports for GTI management and fulfill all reporting requirements of the contract -- as listed hereafter.

In summary, Corporate Program Management has the responsibility to project and track program performance according to the contract, RFP delivery schedule and plans approved by the customer. In order to do this, the Program Manager has the authority to deal directly with vendors and the authority to obtain and reallocate corporate resources.

Monitoring and Reporting

GTI uses a computer implementation of the critical path method of project management as the primary method of project planning, scheduling and forecasting for its contracts. This computer program accepts known facts and estimates, calculates start and finish dates, reports critical activities that must commence on time, and assists in management of personnel and other resources. In short, it allows the project to be managed in advance rather than through troubleshooting crises.

The computer provides a consistent and reliable method of organization project requirements, accumulating cost and schedule date, measuring performance, evaluating and reporting status, controlling and forecasting completion, identifying cost and schedule variances and integrating identifiable changes while it maintains traceability to the original baseline. Implicit within the use of the computer is the requirement for each level of management to report periodically on the progress of the assigned program portion or task in each of four areas: financial, schedule, product performance and product productivity.

The following internal reporting practices are standard elements of GTI's approach:

Production Progress Report -- This report is prepared monthly and submitted to the President, GTI, by the Program Manager. This report tracks project progress by CLIN or deliverable item. Monthly deliver schedules are projected and followed throughout the projection period. Thus, potential problems or unfavorable trends are identified early and eliminated before they can impede the program's progress.

Program Reviews – Program Reviews are conducted by the Program Manager to cover the overall status of a project. Subject topics typically include: development progress, number of installations in the preceding period, conversations held with the Government, interaction with vendors, etc. Each department supervisor/manager involved with the given contract attends the Program Review and gives a detailed status report covering progress in their particular area of responsibility. Strategies for resolving problems or difficulties are discussed and tasks assigned.

Weekly Status Report -- Department directors and managers submit weekly status reports covering work scheduled and accomplished during the period and work planned for the forthcoming period. Review of departmental status reports apprises the Program Manager of the continuity and consistency of deliveries and services to the Government. This reporting practices also allows early identification of problems which can then be acted upon by the Program Manager directly, or considered for further action.

Problem/Discrepancy File -- The Program Manager maintains a file of problems or discrepancies on a contract. The date, priority, type of problem, point of contact and intended corrective action are recorded. The file provides a "tickler" list of action items and provides a basis for reporting the status of ongoing problem resolution efforts. Problem listings are printed and the Program Manager oversees the assignment of each for necessary action. Through reissuances of the Problem/Discrepancy listing, the Program Manager closely observes progress until issues are successfully resolved.

GTI's approach allows the Program Manager and corporate management continuing and proper visibility of the program status, program elements and GTI's resources. It also supports a closely controlled vendor environment, enabling rapid response to change as it may occur. Of specific importance, is that Program Management has central focal authority over all elements of the program and the organizational structure gives him\her use of the entire wealth of resources within the corporation.

Vendor Coordination

The Program Manager will directly interface with all vendors under contract, as necessary. He has the authority to establish, define, negotiate, execute and administer internal or external Statements, of Work, vendor agreements and other procurement-related support items. Each of GTI's vendors has specific points of contact who respond to the Program Manager. Their responsibilities, direction and coordination fall to the Program Manager or his representative or designee. Designates of the Program Manager may include GTI's Corporate Purchasing Department (to monitor timeliness); the Associate Program Manager (to coordinate schedules); or field engineering personnel (to receive shipments, effect repairs or return defective equipment).

It is GTI's experience that our vendors are normally completely responsive to their subcontracts. However, vendors will be held stringently to all delivery schedules and performance requirements. Should any vendor fail to meet 100% of the terms and standards set forth in their agreements with GTI, they will suffer damages as set forth. Damages might include halted payments or the use of second- source vendors.

Level of Effort

During the initial start-up phase of the project, the Program Manager will devote a full-time effort coordinating all aspects of the Program. Program Management will be assisted by the various GTI functional organizations. After the first six months, the Program Manager will devote his efforts to coordinating, planning and scheduling events necessary to the performance on the contract. This level of effort is expected to remain constant until all hardware deliveries are completed and the contract reaches maturity.

Configuration Management

Configuration Management (CM) will provide management with the ability to implement configuration control and strict management of change. The CM element will ensure that all items placed under CM control will be maintained through approved procedures. Items that will be placed under configuration Management include:

- Site Designs
- Approved system components
- Documentation
- Delivery Orders, etc

The CM system that will be implemented is fully automated and is fully capable of providing timely and efficient configuration status accounting and reporting.

In summary, Corporate Program Management has the responsibility to project and track program and vendor performance according to the Government contract, RFP delivery schedule, subcontract agreements, and plans approved by the customer. In order to do this, the Program Manager has the authority to deal directly with vendors and the authority to obtain and reallocate corporate resources.

[redacted]

GTI will use a combination of GTI and subcontracted resources to insure that a comprehensive and functional maintenance organization will be available to provide the Government with optimal maintenance support. In all cases, GTI will be the primary point of contact and control. Third party maintenance personnel will be used on a site by site and case by case basis. Dispatch, control and responsibility will rest constantly with the GTI Maintenance organization.

[redacted]

Maintenance personnel are located at GTI Headquarters, Chantilly, Virginia, and at all Service Locations listed in Appendix 1 to this management plan.. The Service Location list expands routinely to meet contractual requirements for customer programs in accordance with GTI's planning and growth. GTI mandates that ALL service calls be placed on our GTI HOTLINE 800 number. In this way, GTI can track the progress of each service call, and escalate the call to the next higher level of management, if necessary. Each service call is logged into our computer for trend analysis and parts usage.

[redacted]

"Replace in lieu of repair" is the maintenance philosophy at GTI This method tends to minimize hardware downtime. It also allows GTI field personnel to concentrate on rapid system, network, or element recovery versus attempting to diagnose and then physically repair an item at the field location. This method is commonly used in the computer maintenance industry and has enabled GTI to expand maintenance capabilities quickly and efficiently while significantly reducing system or component down times. GTI's maintenance philosophy encompasses several key factors, some of which are:

1.) Remedial Maintenance (RM) - Remedial Maintenance will be performed by experienced, fully-trained Field service Representatives who will repair the equipment by identifying the faulty component and then replacing it. This procedure leads to rapid repairs and maximum up time.

2.) Sparing (SP) - GTI's spare part philosophy gives maintenance personnel immediate access to spares. GTI and its prime suppliers maintain spares inventories for GTI service personnel allowing for rapid repair/replacement of any failed system component.

Remedial Maintenance

GTI or GTI sponsored field service personnel will arrive at the Government site or will be ON-SITE within the time limits prescribed following notification of the need for maintenance. When they occur, failures will be analyzed and trend analysis will be effected to assist cause and effect statistical reporting.

GTI will provide the Government with the names and telephone numbers of local primary points of contact supporting each site. Additionally, GTI will provide a toll-free HOTLINE telephone number at our corporate headquarters in Chantilly, Virginia for the Government to use to report problems and ask questions. All calls received on the HOTLINE number are logged into our computer, prioritized, and tracked. Either the call will be transferred to an analyst for necessary action or the local field engineer will be dispatched to the Government site.

Spare Parts Philosophy

GTI stocks calculated levels of on-site spares at each of our service locations or customer sites which will give the GTI or GTI sponsored field service representative immediate access to the needed spare. In addition, GTI maintains backup spares at our corporate facility in Chantilly, Virginia. GTI determines spare parts requirements for each site, location, and service region based on projected and/or historical reliability, maintainability and availability of the part, actual field experience, geographical area of the installation, the customer's operating environment, and like items. GTI replenishes on-site spares using commercial overnight delivery and replenishes the stock of backup spares through repair of the faulty component by either GTI repair technicians or the original equipment manufacturer.

Use of Diagnostics

GTI field service representatives use local and remote diagnostics to isolate a probable cause of failure or degraded performance in a system or component. Diagnostics and maintenance software and hardware are used to periodically evaluate the operation, execution, and performance of various system components. Diagnostics are also used to determine which component or faulty subsystem has failed and to ensure expeditious replacement and testing of the spare component or subsystem in the customers operating environment. The outputs of selected diagnostics are maintained at the customer site by GTI field engineers and a master file containing diagnostic and repair data of each site is maintained by computer at GTI corporate headquarters. Trend analysis, probable cause of failures, and other items relating to performance and availability of installed GTI systems are statistically analyzed by GTI support engineers.

Upon being notified or dispatched with a trouble call, the GTI field service representative calls the customer back to diagnose the problem over the phone so he will know what parts or boards may be required. The Field Support Engineer then arrives at the site and exercises the system test routines, diagnosing to the maximum extent possible the system failure. GTI field engineers are thoroughly trained on the use and proper operation of all appropriate system diagnostics for the equipment they service.

System Support

GTI system support engineers provide technical support and backup the local field service representative. The system support engineer provides phone and on-site assistance to the field service representatives. The system support engineer provide the field service representative with summaries, technical bulletins, engineering changes, and other information to inform them of new equipment repair techniques. The system support engineer also maintains contact with OEM vendors for additional support in those unique instances when such support or contact is required.

Malfunction Reports

GTI routinely provides a signed malfunction report to our customers. When a call for remedial maintenance is received or preventive maintenance is performed, the information is recorded on a GTI Customer Service Report (GTI-CSR). The GTI-CSR is completed and signed by a GTI field service engineer and countersigned by the designated Government representative to certify that the required services were performed and completed. Copies are provided to the Government representative and to the GTI field service organization. The GTI-CSR is also used by GTI to measure both the operational effectiveness and availability of the hardware/software being maintained, as well as to determine and project cause of failures, spares requirements, trends, and other items to both the specific site and other sites containing such equipment.

Project Organizational Implementation

GTI is extremely confident in the project team and its organization to provide a smooth and successful implementation of the Nuclear Regulatory Commission requirements.

Task Execution Planning

The following is presented as a description of the delivery order flow process utilized by GTI . This process, although continuously refined, will be used to effectively handle and deliver on a timely basis the Nuclear Regulatory Commission equipment.

Delivery Order Receipt

All Government delivery orders received, whether hand carried, received via fax or directly through a mail system (FED-EX, U.S. Mail, UPS, etc.) is taken to the Mail room. In the Mail room, the document is automatically date stamped and logged initially into the order tracking system.

Initial Delivery Order Processing

The order is then expedited to the Contracts Library for validation of Contract Line Numbers (Clins), configuration, and pricing. Additional entries are made in the order tracking system to update the delivery order status. Contracts Library personnel are responsible for copying the order and effecting delivery to the Finance and Accounting (F&A) and Logistics Departments. The original document is filed in the Library, and again, the order tracking system is updated to show the transmittal of responsibility to F&A and Logistics.

Finance and Accounting

F&A converts the Government delivery order into an invoice for shipping, tracking, and invoicing purposes. Updates are again made to the Order Tracking System to enter the invoice status and control information.

Logistics

Logistics is responsible for determining what processes need to be effected to prepare the order for shipment. In many cases, equipment is simply drawn from inventory , manufactured, tested and transferred to the Shipping Department for shipment to the customer site. In those instances where inventory is not immediately available, required equipment is purchased from our subcontractor. When this equipment arrives, the receiving department checks for damage and initiates component testing to insure that the equipment is working and not damaged. The equipment is transferred to inventory for eventual utilization as described earlier. This whole process is documented on a step by step basis on the order tracking system.

Shipping

The Shipping department is responsible for cost effective, timely , compliant and secure shipment of equipment to the Government site.. Again, the receipt and transfer of equipment by and from the Shipping department is documented in the order tracking system.

Customer Site Delivery

The local field engineer is responsible for receiving the equipment at the Government site and effecting delivery and installation. This receipt and installation process is documented in the order tracking system by either the local field engineer or local field management.

Summary

The order tracking process is not complete until the equipment is accepted and the invoice is signed by an authorized Government representative. The entire order tracking process is monitored and controlled by the Program Manager.

Issue Resolution

The Issue Resolution process developed for the Nuclear Regulatory Commission program guarantees the Government that quality will be properly addressed. The process is designed to ensure that identified discrepancies are properly addressed in an effective and efficient manner. The Nuclear Regulatory Commission resolution process will be utilized to secure the corrective action.

Level 1- Quality Control techniques in manufacturing, installation, inspection, measurement, testing, handling, storage, and shipping will be performed at Level 1. The GTI Quality Control process will maintain effective control over the suppliers and subcontractors and thereby insure GTI ability to provide the highest quality product assurance to the Nuclear Regulatory Commission program.

Level 2- Level 2 is the oversight review which examines the GTI quality control and product assurance effort. A process report is provided directly to the GTI Nuclear Regulatory Commission technical management staff to help resolve issues and to keep the Government Program Manager informed.

Level 3- For issues that require resolution above the Nuclear Regulatory Commission Program Offices level, the Field Managers will present the issues to the GTI Program Manager and the Nuclear Regulatory Commission Project Manager at Level 3.

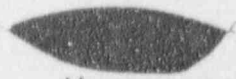
Level 4- At level 4, unresolved issues will be directed to the GTI President. This will insure proper attention to issues from the GTI executive levels. This level will be particularly effective when the problem/issue indicates needed resources. At this level it may be necessary to involve the Nuclear Regulatory Commission management level to work out the optimum solution. .

GOVERNMENT TELECOMMUNICATIONS, INC. (GTI)

- FOUNDED IN 1986

  WHOLLY OWNED COMPANY OF COMPUTER EQUITY CORPORATION. (COMPUTER)

- HEADQUARTERED IN CHANTILLY VA.



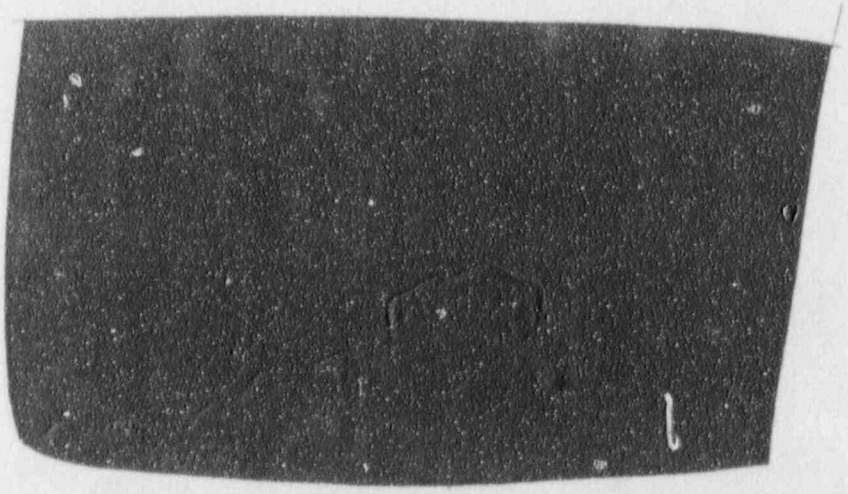
SQUARE FEET OF INTEGRATION AND WAREHOUSING SPACE IN ADDITION TO ADMINISTRATIVE, PROGRAM MANAGMENT AND ENGINEERING OFFICE SPACE.

- MAINTENANCE STAFF THROUGHOUT U.S.

  CURRENTLY MAINTAINING OVER 300 SYSTEMS AT OVER 100 GOVERNMENT SITES.

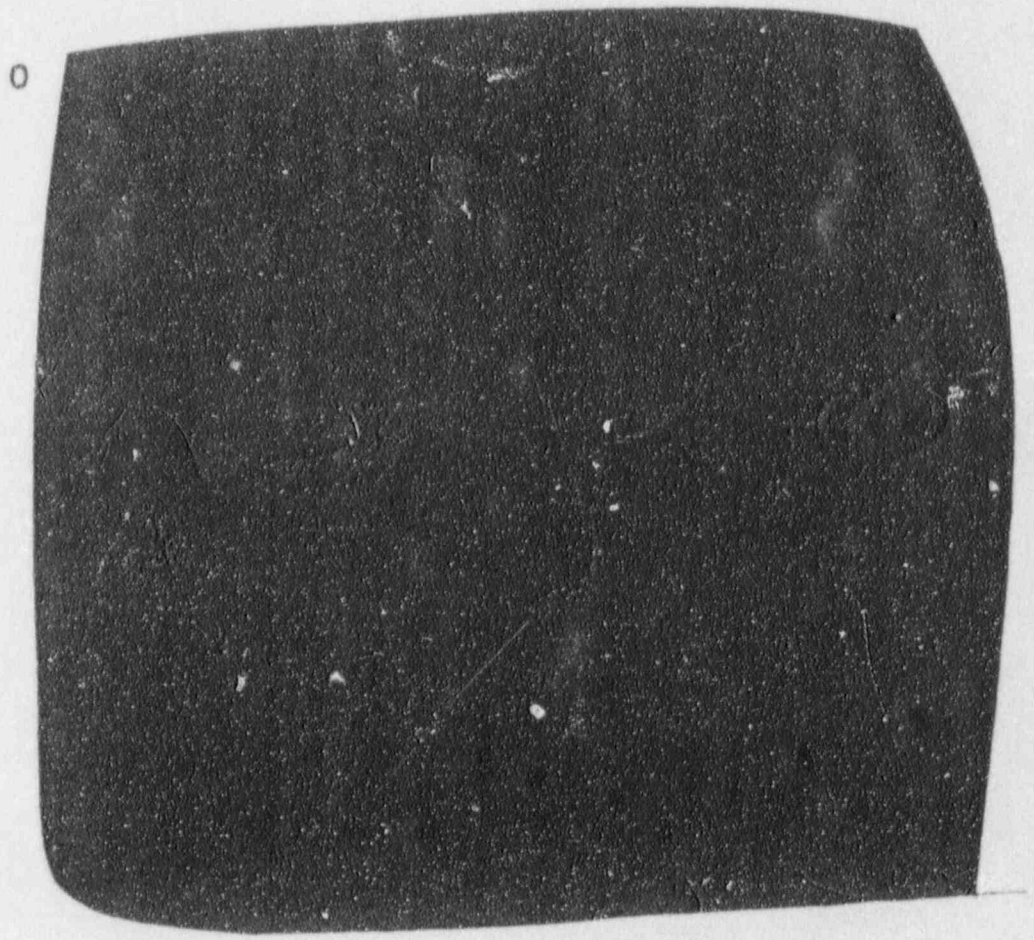
WE SERVICE WHAT WE SELL!

GOVERNMENT TELECOMMUNICATIONS, INC. (GTI)



- FOUR YEARS OF PROFITABILITY

GOVERNMENT TELECOMMUNICATIONS, INC.
(GTI)



[redacted]

CONTRACT NUMBER: (Multiple Contracts) - more than [redacted]

DESCRIPTION: Telephony and Computer Systems and Software

DOLLAR AMOUNT: $6,500,000 +++

REQUIREMENT AGENCY:

POINT OF CONTACT:

TELEPHONE NUMBER:

CONTRACT NUMBER:

DESCRIPTION:

DOLLAR AMOUNT:

REQUIREMENT AGENCY:

POINT OF CONTACT:

TELEPHONE NUMBER:

CONTRACT NUMBER:

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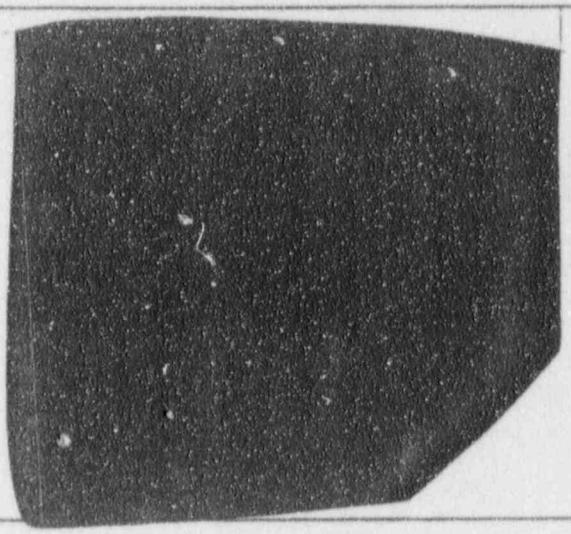


Government Telecommunications Inc.
7/10/91

Schedule F
Equipment Room Requirements

Site	Item Description	Insert total Required for Period Beginning with month: 0	13	25	37	49
Region 5	Power Consumed	2.235	2.235	2.235	2.235	2.235
	Heat Dissipated	5.64	5.64	5.64	5.64	5.64
	Equipment Room Space required	34.5	34.5	34.5	34.5	34.5

Evaluated Power Cost
Evaluated Space Cost

Totals for Power =
Totals for Space =

Total Cost =

[redacted]

SOLICITATION: RS-IRM-90-215
SCHEDULE E - SERVICE CHARGES - OPTIONAL ITEMS
COLUMN A - REGION/LOCATION = ANY REGION or LOCATION

FILE NAME: NRCF
DATE 05/06
TIME 10:32

LOTS: 1-4

CLIN	ITEM DESCRIPTION/NOMENCLATURE	PRICE
5001	CABLE REMOVAL, PER JOB	
5002	DE-INSTALL AND PKG EXIST SYST, JOB	
5003	INITIAL USER TRAINING, PER STUDENT	
5004	REFRESHER USER TRAINING, PER STUDENT	
5005	TECHNICAL TRAINING, PER STUDENT	
5006	INITIAL SYSTEMS DRAWINGS, SET	
5007	UPDATED SYSTEMS DRAWINGS, SET	
5008	SITE VISITATION CHARGES, PER VISIT	
5009	DISCONNECTS, PER STATION	
5010	STATION MOVES WITH 100' CABLING, EA	
5011	REPROGRAMMING, PER HOUR	
5012	MISCELLANEOUS WORK, PER HOUR	

A Proposal to Provide

TELEPHONE SWITCHING SYSTEMS
for
NRCOC and REGIONS I, III and V

to the

U.S. NUCLEAR REGULATORY COMMISSION
Division of Contracts & Property Management
Washington, DC 20555

for

Four (4) PBX's and Associated Services

In response to:

Solicitation RS-IRM-92-344
(Formerly Solicitation RS-IRM-90-215)

BUSINESS PROPOSAL - BAFO

August 5, 1992

Submitted by:

Government Telecommunications, Inc.
4500 Southgate Place - Suite 300
Chantilly, Virginia 22021
PHONE: (703) 631-5155
FAX: (703) 266-0977

C.3.6.5 (1 and 2)

COMPLIANT

The proposed [redacted] support Modem Pooling via the Modem Pooling - Outgoing/Incoming Data Feature.

Modem pooling as proposed allows data stations to share modems for transmitting and receiving digital data over analog transmission facilities. Modem parameters (speed, duplex mode, and transmission method) are entered for each modem registered. Incoming modem pooling shares the same resources with outgoing modem pooling.

Data calls to an outside network are controlled by the data station's COS and restricted by area and office code restriction the same as voice calls. The standard trunk hunting method is used for modem pooling hunting.

The system also fully supports Directly Connected Data Calls. When an outside party enters a data station number within the system through DID or DISA, or enters a trunk line number which is associated with a data station in the system through QDID or FNA, the system hunts an appropriate modem/DSU based on the terminal attributes of the called data set. The incoming data call is indicated by the CALL lamp flashing with a ringing indication. When the called party answers the call, the connection is established through incoming trunk, the modem/DSU, and the internal data set.

As the system is fully digital in nature, the system as proposed also supports today interface directly to DSU's and can in fact pass data through the system at up to 64KBPS synchronous.

Via COS queueing can be allowed for all data station calls. If queueing is allowed, the user can elect to either queue or call back.

Multiple pools of modems can be identified if needed. That is, the system can be segregated to place originate-only and terminate-only in separate modem pools.

C.5.5

COMPLIANT

The system proposed supports an Attendant Feature: Transfer - All calls (Attendant Recall)

> A station, while connected to another station or trunk, can recall the attendant so that the attendant can transfer the station or trunk to a different station.
>
> By flashing and dialing "0" a station, on any call, can recall the attendant. The station can then either remain off-hook and announce the call or hang up. If the station hangs up and the attendant is busy, the call is placed in the attendant recall queue.
>
> Upon answering the recall, the attendant can then process the call in the normal manner.

C.3.5

As stated in our response, the proposed [redacted] supports both high and low speed DIU's and DTA's. DTA's are RS-232 modules that become an integral part of a multi-line digital set. DIU's are direct data interface units that can either be directly connected to other DIU's or be

associated with a phone set for dialing. Both DIU's and DTA's convert analog data to digital data and transmit the resultant data through the PBX to another DIU or DTA. The receiving DIU/DTA then converts the digital data back to analog. In addition to data conversion, analog voice from analog voice stations (standard TIP/RING devices such as 2500 sets, FAX machines, voice grade modems) is converted to digital data in the system for transfer through the system. When directed to an analog voice station, the data is converted from digital to analog at the system.

GTI will provide the appropriate device to meet the NRC's requirements on a station by station basis.

Key Personnel

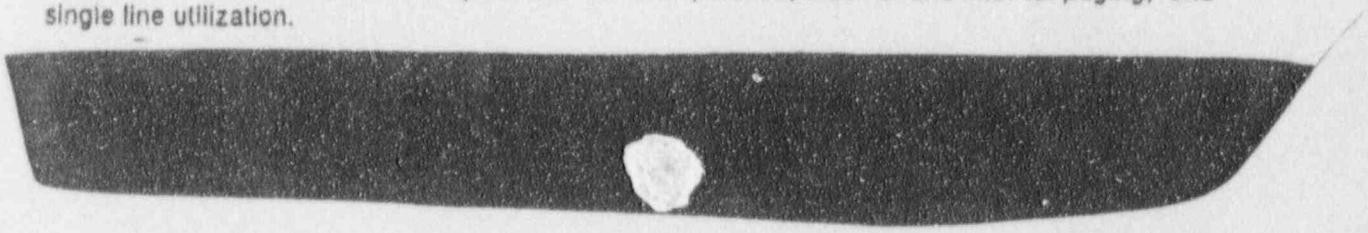
COMPLIANT

GTI has included a new list of key el with this submission.

Experience

COMPLIANT

GTI has installed, cut and is maintaining over 300 phone systems within the United States Government nationwide. We have included with t is ion a list of every site installed and appropriate contacts. Included with these referenc installations. One system is in Topeka KS, and the other system is in Lynn MA. Although these systems are not as large in regards to the number of stations, the complexity involved is similar including Outside Cabling, Voice Mail, Automated Attendant operation, TIE line operation, external and internal paging, and single line utilization.



SOLICITATION: RS-IRM-92-344
CONFIGURATION WORKSHEET

U.S. NUCLEAR REGULATORY COMMISSION

REGION V Walnut Creek CA

LOT 4

BAFO

FILE NRC
DATE 08/04
TIME 12:24

CLIN NO	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	QUANTITIES N YR-1	O YR-2	O YR-3	R YR-4	S YR-5
1001	[redacted] SGL LINE SET W/O MW	250100MOE20M	110	6	6	6	8
1002	R5 EMML SOFTWARE	301976-05	1				
1003	R5 TP/TV SOFTWARE	360061-05	1				
1004	R5 MCPR S/W RTU [redacted] CONFIG	360114-05	1				
1005	R5 MS/S FLOPPY DISK BOOT SFWE	360192-05	15				
1006	R5 PREFORMATTED BLANK DISK	360193-05	1				
1007	R5 MCPR S/W RTU [redacted] CONFIG	360231-05					
1008	R5 USER DOCUMENTATION PKG	360435-01					
1009	BASIC CAB PACK [redacted] L/M-R5	360439-01					
1010	BASIC LTU PK FOR LTUP [redacted] M-R5	360441-01					
1011	[redacted] ANALOG MASTER PACK-R5	360443-01					
1012	[redacted] CAB PACK [redacted] TE MS-R5	360449-01					
1013	[redacted] ANALOG MASTER PACK-R5	360447-01	1				
1014	BASIC LTU PK FOR [redacted] TUP MS-R5	360450-01	3				
1015	SY [redacted] FWDING ENHANCEMENT R5	360464-07					
1016	EXPANDED SPEED DIALING CODES R5	360464-10	1				
1017	JOINT TENANT SERVICE R5	360464-12					
1018	P/TRONIC E-SUPRA 1-EAR OVERHEAD	769084-03	2				
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005	2				
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005	229	6	6	6	8
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005	105	1	1	1	2
1022	DIG TELEPHONE QUICK REF GUIDE	D110-051-005	45	3	2	3	2
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-005	4	1		1	
1024	LTE CABLE A-F276D1 /M	E008-0276-E101					
1025	ALARM SENDER	E068-1356-R101	1				
1026	MAC-ATTENDANT CONSOLE	E078-1074-B[illegible]	2				
1027	BUSY LAMP FLD/DIRECT STA SELEC	E078-1075-B[illegible]	2				
1028	MIXER TRUNK CARD	E168-3001-R460					
1029	4W E&M TIE TRUNK CARD	E168-3001-R990	3				
1030	NIGHT BELL/CODE CALL INTFC CD	E168-3003-R280	1				
1031	SINGLE LINE TELEPHONE CARD	E168-3003-R310	2	1			1
1032	RINGER GENERATOR CARD	E168-3003-R530	1				
1033	MODEM POOL CONTROLLER CARD	E168-3003-R560					
1034	CHARACTER TRUNK CARD	E168-3007-R430	2				
1035	OPS LINE CARD	E168-3008-R250	15				
1036	PERIPH BUS CTL CARD 4-I/MA	E168-3008-R540	1				
1037	DIGITAL LINE CARD - 16 2W + D	E168-3009-R150	11				
1038	CO LS/GS TK CARD A (Std 600 OHM)	E168-3009-R170	3				
1039	ONE WAY DID TRUNK CARD	E168-3009-R770	2				
1040	SWITCHING NETWORK CARD B R5	E168-3015-R590	1				
1041	ATTENDANT LINE CARD R5	E168-3015-RB30	1				
1042	POWER FAILURE TRANSFER CARD	E168-9900-R000	1				
1043	CABLE DUCT	E210-0042-TC12#USA	1				
1044	ATT POWER (EH CONNECTION)	E660-2506-T662#10					
1045	E&M TRUNK/PBT CABLE	E660-2506-T662#8	5				
1046	ATT POWER (EG CONNECTION)	E660-2506-T662#9	1				
1047	CABLE: MDC-MODEM CABLE A	E660-2506-T760#5					
1048	DATA TERMINAL ADAPTER	F108-0705-K001	4	1		1	
1049	MAC DT101B 28B SPEAKERPHONE	F108-0706-B111	45	3	2	3	2
1050	STAND-ALONE DIU TO 19.2 KBPS	F129-0337-B101	105	1	1	1	2
1051	MS/M ENGRD NET/DATA D/B SW	SW009600 MN1	1				
1052	CUST ENGRG FOR M/MS DATABASE	SW009600 MNC	1				
1053	EMML TERMINAL (IBM PC BASED)	GTIEMML	1				
1054	36-PORT TELECONFERENCING SYSTEM	TEMPO MB					
1055	SLT SPEAKERPHONE UNIT	KX-T1020	28	1	2	1	2
1056	SLT AMPLIFIED HANDSET	W-6	6		1		
1057	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4	1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V	1				
1059	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V					
1060	INITIAL SPARE PARTS KIT	Not Applicable	1				
1061	OPPM - HOURLY CHARGE	Not Applicable	56	96	96	96	96
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable	156	9	8	10	10
1063	(Reserved)	(Reserved)					

COST CATEGORY	PERIOD (Years)	LOT: 1 NRCOC: MD		LOT: 2 REG I: PA		LOT: 3 REG III: IL		LOT: 4 REG V: CA		TOTAL FOR ALL 4 LOTS	
		PURCH Sched A	LTOP-60 Sched B	PURCH Sched A	LTOP-60 Sched B	PURCH Sched A	LTOP-60 Sched B	PURCH Sched A	LTOP-60 Sched B	PURCH Sched A	LTOP-60 Sched B
System	Year 1										
System	Year 2										
System	Year 3										
System	Year 4										
System	Year 5										
System	LTOP B/O										
System	**TOTAL**										
Install	Year 1										
Install	Year 2										
Install	Year 3										
Install	Year 4										
Install	Year 5										
Install	**TOTAL**										
Maintain	Year 1										
Maintain	Year 2										
Maintain	Year 3										
Maintain	Year 4										
Maintain	Year 5										
Maintain	**TOTAL**										
ALL	Year 1										
ALL	Year 2										
ALL	Year 3										
ALL	Year 4										
ALL	Year 5										
ALL	LTOP B/O										
ALL	**TOTAL**										

Minus
Special Discount of:

EVALUATION

SOLICITATION: RS-IRM-92-364 U.S. NUCLEAR REGULATORY COMMISSION BAFO#2 FILE NRC

SCHEDULE A - ITEMIZED PRICE LIST - PURCHASE, INSTALLATION AND MAINTENANCE DATE 11/20

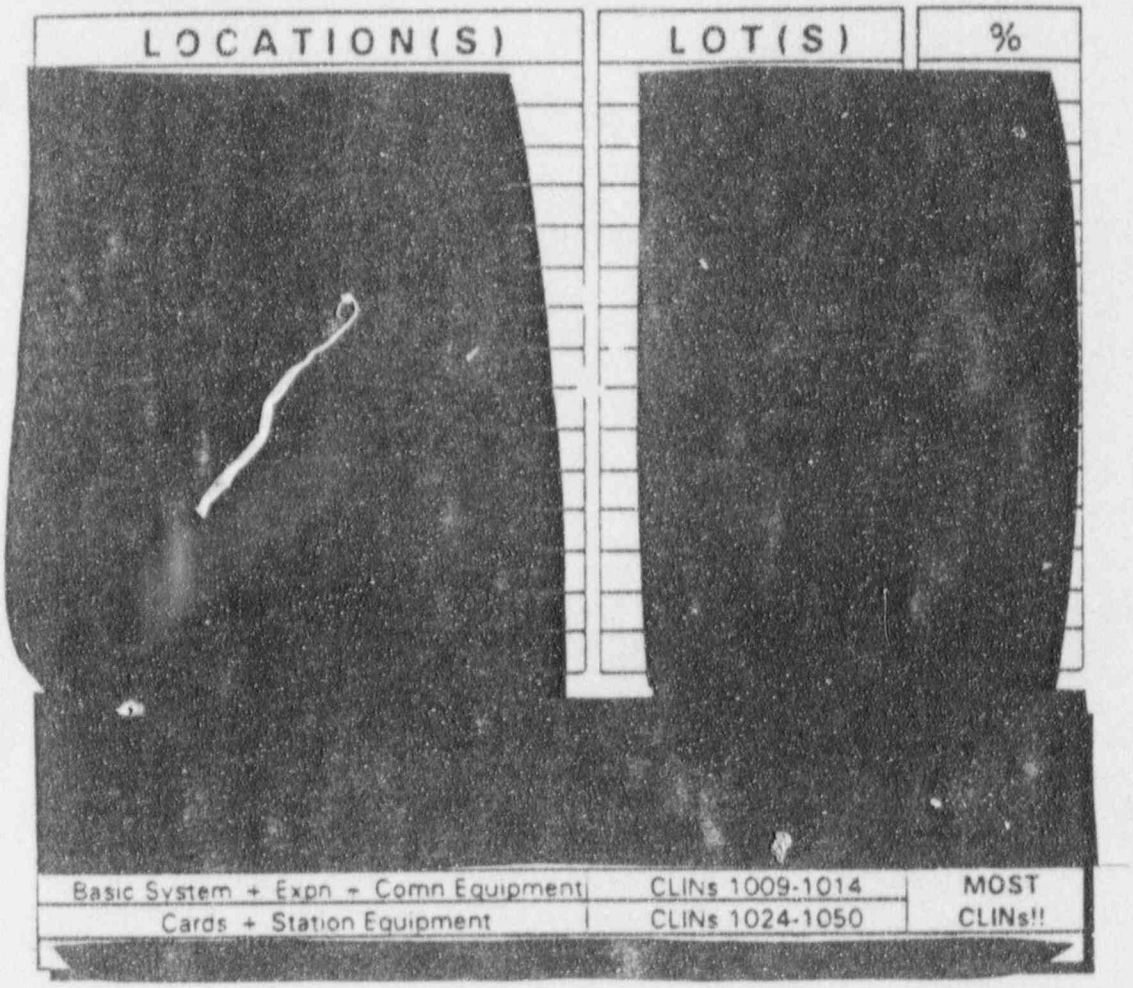
REGION V: Walnut Creek CA LOT 4 TIME 15:05

CLIN NO.	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	UNIT PRICE G PURCHASE	UNIT PRICE I INSTALL	UNIT PRICE K MO/MNT	QUANTITIES N YR-1	QUANTITIES O YR-2	QUANTITIES Q YR-3	QUANTITIES R YR-4	QUANTITIES S YR-5
1001	[redacted] LINE SET W/O MW	260100MOE20M				110	6	6	6	8
1002	R5 EMML SOFTWARE	301976-05				1				
1003	R5 IP/TV SOFTWARE	350061-05				1				
1004	R5 MCPR S/W RTU [redacted] CONFIG	360114-05				1				
1005	R5 MS/S FLOPPY DISK BOOT SFWE	360192-05				1				
1006	R5 PREFORMATTED BLANK DISK	360193-06				15				
1007	R5 MCPR S/W RTU [redacted] CONFIG	350231-05								
1008	R5 USER DOCUMENTATION PKG	360435-01				1				
1009	BASIC CAB PACK [redacted] EXTF XL/M-R5	360439-01								
1010	BASIC LTU PK FOR LTUP [redacted]	360441-01								
1011	[redacted] ANALOG MASTER PACK-R5	360443-01								
1012	BASIC CAB [redacted] EXTF MS-R5	360449-01								
1013	[redacted] ANALOG MASTER PACK-R5	360447-01				1				
1014	BASIC LTU PK FOR [redacted] LTUP MS-R5	360450-01				3				
1015	SYST. FWDING ENHANCEMENT R5	360454-07								
1016	EXPANDED SPEED DIALING CODES R5	360464-10				1				
1017	JOINT TENANT SERVICE R5	360464-12								
1018	P/TRONIC E-SUPRA 1-EAR OVER/HEAD	789084-03				2				
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005				2				
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005				229	6	6	6	8
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005				105	1	1	1	2
1022	DIG TELEPHONE QUICK REF GUIDE	D110-051-005				45	3	2	3	2
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-005				4	1		1	
1024	LTF CABLE A-F27601/M	E008-0276-E101								
1025	ALARM SENDER	E068-1356-B101				1				
1026	HAC ATTENDANT CONSOLE	E078-1074-B401				2				
1027	BUSY LAMP FLD/DIRECT STA SELEC	E078-1075-B001				2				
1028	MIXER TRUNK CARD	E168-3001-R460								
1029	4W E&M TIE TRUNK CARD	E168-3001-R390				3				
1030	NIGHT BELL/CODE CALL INTFC CD	E168-3003-R280				1				
1031	SINGLE LINE TELEPHONE CARD	E168-3003-R310				2	1			1
1032	RINGER GENERATOR CARD	E168-3003-R530				1				
1033	MODEM POOL CONTROLLER CARD	E168-3003-R560								
1034	CHARACTER TRUNK CARD	E168-3007-R430				2				
1035	OPS LINE CARD	E168-3008-R250				15				
1036	PERIPH BUS CTL CARD 4-DMA	E168-3008-R540				1				
1037	DIGITAL LINE CARD - 16 2B+D	E168-3009-R150				11				
1038	CO LS/GS TK CARD A (Std 600 OHM)	E168-3009-R170				3				
1039	ONE WAY DID TRUNK CARD	E168-3009-R770				2				
1040	SWITCHING NETWORK CARD B R5	E168-3015-R590				1				
1041	ATTENDANT LINE CARD R5	E168-3015-R830				1				
1042	POWER FAILURE TRANSFER CARD	E168-9900-R000				1				
1043	CABLE DUCT	E210-0042-TS12#/USA				1				
1044	ATT POWER (EM CONNECTION)	E660-2506-T662#10								
1045	E&M TRUNK/PFT CABLE	E660-2506-T662#8				6				
1046	ATT POWER (EG CONNECTION)	E660-2506-T662#9				1				
1047	CABLE: MDC MODEM CABLE A	E660-2506-T760#5								
1048	DATA TERMINAL ADAPTER	F108-0705-K001				4	1		1	
1049	HAC DT101B 2BB SPEAKERPHONE	F108-0706-B111				45	3	2	3	2
1050	STAND-ALONE DRU TO 19.2 KBPS	F128-0337-B101				105	1	1	1	2
1051	MS/M ENGRD NET/DATA D/B SW	SW009500 MN1				1				
1052	CUST ENGRG FOR M/MS DATABASE	SW009800 MNC				1				
1053	EMML TERMINAL (IBM PC BASED)	GTIEMML				1				
1054	36-PORT TELECONFERENCING SYSTEM	TEMPO M8								
1055	SLT SPEAKERPHONE UNIT	KX-T1020				28	1	2	1	2
1056	SLT AMPLIFIED HANDSET	W-8				8		1		
1057	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4				1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V				1				
1059	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V								
1060	INITIAL SPARE PARTS KIT	Not Applicable				1				
1061	OPPM - HOURLY CHARGE	Not Applicable				96	96	96	96	96
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable				156	9	8	10	10
1063	(Reserved)	(Reserved)								

Special Discount Schedule

(PURCHASED Multiple Systems Only)

Applicable to Award for Multiple Locations



LOCATION(S)	LOT(S)	%
Basic System + Expn + Comn Equipment	CLINs 1009-1014	MOST CLINs!!
Cards + Station Equipment	CLINs 1024-1050	

SOLICITATION: RS-IRM-92-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC

SCHEDULE A - ITEMIZED PRICE LIST - PURCHASE, INSTALLATION AND MAINTENANCE DATE 08/04

NRCOC: Bethesda MD LOT 1 TIME 12:06

CLIN NO	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	UNIT PRICE G PURCHASE	UNIT PRICE I INSTALL	UNIT PRICE K MO/MNT	QUANTITIES N YR-1	QUANTITIES O YR-2	QUANTITIES O YR-3	QUANTITIES R YR-4	QUANTITIES S YR-5
1001	[redacted] LINE SET W/O MW	260100MOE20M	[redacted]			28	2	3		
1002	RS EMML SOFTWARE	301976-05				1				
1003	RS TP/TV SOFTWARE	360061-05				1				
1004	RS MCPR S/W RTU [redacted] CONFIG	360114-05								
1005	RS MS/S FLOPPY DISK [redacted] SFWE	360192-05								
1006	RS PREFORMATTED BLANK DISK	360193-05				15				
1007	RS MCPR S/W RTU [redacted] CONFIG	360231-05				1				
1008	RS USER DOCUMENTATION PKG	360435-01				1				
1009	BASIC CAB PAC [redacted] XL M-RS	360439-01				1				
1010	BASIC LTU PK FOR LTUP [redacted] M-RS	360441-01				2				
1011	[redacted] ANALOG MASTER PAC [redacted] E	360443-01				1				
1012	BASIC CAB PAC [redacted] -S	360449-01								
1013	[redacted] ANALOG MASTER PA [redacted] I-S	360447-01								
1014	BASIC LTU PK FOR [redacted] MS-RS	360450-01								
1015	SYST FWDING ENHANCEMENT RS	360454-07				1				
1016	EXPANDED SPEED DIALING CODES RS	360454-10				1				
1017	JOINT TENANT SERVICE RS	360454-12				1				
1018	P/TRONIC E-SUPRA 1-EAR OVER HEAD	769084-03				3				
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-001				3				
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005				216	2	3		
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005				35				
1022	DIG TELEPHONE QUICK REF GUIDE	D110-051-005				75	5	4		
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-005				22	2	2		
1024	LTE CABLE A-F276D1 M	E00B-0276-E101				1				
1025	ALARM SENDER	E06B-1356-B101				1				
1026	HAC ATTENDANT CONSOLE	E07B-1074-B401				3				
1027	BVS LAMP FLD/DIRECT STA SELEC	E07B-1075-B001				3				
1028	MIXER TRUNK CARD	E16B-3001-R460				1				
1029	4W E&M TIE TRUNK CARD	E16B-3001-R990				3				
1030	NIGHT BELL/CODE CALL INTFC CD	E16B-3003-R280				1				
1031	SINGLE LINE TELEPHONE CARD	E16B-3003-R310				7	1			
1032	RINGER GENERATOR CARD	E16B-3003-R530				2				
1033	MODEM POOL CONTROLLER CARD	E16B-3003-R560				1				
1034	CHARACTER TRUNK CARD	E16B-3007-R430				1				
1035	OPS LINE CARD	E16B-3008-R250				1				
1036	PERIPH BUS CTL CARD 4-DMA	E16B-3008-R540				2				
1037	DIGITAL LINE CARD - 16 2B + D	E16B-3009-R150				8				
1038	CO LS/GS TK CARD A (Std 600 OHM	E16B-3009-R170				3				
1039	ONE WAY DID TRUNK CARD	E16B-3009-R770				2				
1040	SWITCHING NETWORK CARD B RS	E16B-3015-R590				2				
1041	ATTENDANT LINE CARD RS	E16B-3015-R830				1				
1042	POWER FAILURE TRANSFER CARD	E16B-9900-R000				1				
1043	CABLE DUCT	E210-004-T512#USA				2				
1044	ATT POWER (EH CONNECTION)	E660-2506-T662#10				1				
1045	E&M TRUNK/PBT CABLE	E660-2506-T662#8				5				
1046	ATT POWER (EG CONNECTION)	E660-2506-T662#9				1				
1047	CABLE, MDC-MODEM CAB, E A	E660-2506-T760#5				2				
1048	DATA TERMINAL ADAPTER	E108-0705-K001				23	2	2		
1049	HAC DT1018 28B SPEAKERPHONE	E108-0706-B111				75	5	4		
1050	STAND-ALONE DIU TO 19.2 KB/S	E128-0337-B101				35				
1051	MS/M ENGRD NET/DATA D B S/W	SW009600 MN1				1				
1052	CUST ENGRG FOR M MS DATABASE	SW009600 MNC				1				
1053	EMML TERMINAL (IBM PC BASED)	GTIEMML				1				
1054	36-PORT TELECONFERENCING SYSTEM	TEMPO MB				2				
1055	SLT SPEAKERPHONE UNIT	KX-T1020				7	1	1		
1056	SLT AMPLIFIED HANDSET	W-8				2				
1057	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4				1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V				1				
1059	UNIVERSAL PS BATT BACKUP SUBSYS	UPS-48V				1				
1060	INITIAL SPARE PARTS KIT	Not Applicable				1				
1061	OPPM - HOURLY CHARGE	Not Applicable								
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable				231	7	7		
1063	(Reserved)	(Reserved)								

SOLICITATION: RS-IRM-92-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC
SCHEDULE B - ITEMIZED PRICE LIST - LTOP-24 INSTALLATION AND MAINTENANCE DATE 08/04
NRCOC: Bethesda MD LOT 1 TIME 12:07

CLIN NO	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	UNIT PRICE G LTOP-24	UNIT PRICE I INSTALL	UNIT PRICE K MO/MNT	QUANTITIES N YR-1	O YR-2	Q YR-3	R YR-4	S YR-5
1001	[redacted] SGL LINE SET W/O MW	250100MOE20M	[redacted]			28	2	3		
1002	R5 EMML SOFTWARE	301976-05				1				
1003	R5 TP/TV SOFTWARE	350061-05				1				
1004	R5 MCPR S/W RTU [redacted] CONFIG	360114-05								
1005	R5 MS/S FLOPPY DISK BOOT SFWE	360192-05								
1006	R5 PREFORMATTED BLANK DISK	360193-05				15				
1007	R5 MCPR S/W RTU [redacted] CONFIG	360231-05				1				
1008	R5 USER DOCUMENTATION PKG	360435-01				1				
1009	BASIC CAB PAC[redacted] EXTF XL M-R5	360439-01				1				
1010	BASIC LTU PK FOR LTUP[redacted] M-R5	360441-01				2				
1011	[redacted] ANALOG MASTER PACK-R5	360443-01				1				
1012	BASIC CAB PACK[redacted] EXTF MS-R5	360449-01								
1013	[redacted]S ANALOG MASTER PACK-R5	360447-01								
1014	BASIC LTU PK FOR [redacted] UP MS-R5	360450-01								
1015	SYST FWDING ENHANCEMENT R5	360464-07				1				
1016	EXPANDED SPEED DIALING CODES R5	360464-10				1				
1017	JOINT TENANT SERVICE R5	360464-12				1				
1018	P/TRONIC E-SUPRA 1-EAR OVER/HEAD	769084-03				3				
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005				3				
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005				216	2	3		
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005				35				
1022	DIG TELEPHONE QUICK REF GUIDE	D110-051-005				75	5	4		
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-005				23	2	2		
1024	LTF CABLE A-F276D1 M	E008-0276-E101				1				
1025	4LARM SENDER	E068-1356-B101				1				
1026	HAC-ATTENDANT CONSOLE	E078-1074-B401				3				
1027	BUSY LAMP FLD/DIRECT STA SELEC	E078-1075-B001				3				
1028	MIXER TRUNK CARD	E168-3001-R460				1				
1029	4W E&M TIE TRUNK CARD	E168-3001-R990				3				
1030	NIGHT BELL CODE CALL INTFC CD	E168-3003-R280				1				
1031	SINGLE LINE TELEPHONE CARD	E168-3003-R310				7	1			
1032	RINGER GENERATOR CARD	E168-3003-R530				2				
1033	MODEM POOL CONTROLLER CARD	E168-3003-R560				1				
1034	CHARACTER TRUNK CARD	E168-3007-R430				1				
1035	DPS LINE CARD	E168-3008-R250				11				
1036	PERIPH BUS CTL CARD 4-DMA	E168-3008-R540				2				
1037	DIGITAL LINE CARD - 16 [illegible] D	E168-3008-R150				8				
1038	CO LS/GS TK CARD A 1516 600 OHM	E168-3009-R170				3				
1039	ONE WAY DID TRUNK CARD	E168-3009-R770				2				
1040	SWITCHING NETWORK CARD B R5	E168-3015-R590				2				
1041	ATTENDANT LINE CARD R5	E168-3015-RB30				1				
1042	POWER FAILURE TRANSFER CARD	E168-9900-R000				1				
1043	CABLE DU[illegible]	E210-0042-T512#USA				2				
1044	ATT POWER (EH CONNECTION	E660-2506-T662#10				1				
1045	E&M TR UNK/PST CABLE	E660-2506-T662#8				5				
1046	ATT POWER (EG CONNECTION)	E660-2506-T662#9				1				
1047	CABLE, MDC-MODEM CABLE A	E660-2506-T760#5				2				
1048	DATA TERMINAL ADAPTER	F108-0705-K001				23	2	2		
1049	HAC DT1018 28B SPEAKERPHONE	F108-0706-B111				75	5	4		
1050	STAND-ALONE DIU TO 19.2 KBPS	F128-0337-B101				35				
1051	MS/M ENGRD NET/DATA 2.8 SW	SA009600 MN1				1				
1052	CUST ENGRG FOR M/MS DATABASE	SW009600 MNC				1				
1053	EMML TERMINAL (IBM PC BASED)	CTIEMML				1				
1054	36-PORT TELECONFERENCING SYSTEM	TEMPO MB				2				
1055	SLT SPEAKERPHONE UNIT	KX-T1020				7	1	1		
1056	SLT AMPLIFIED HANDSET	W-6				2				
1057	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4				1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V				1				
1059	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V				1				
1060	INITIAL SPARE PARTS KIT	Not Applicable				1				
1061	OPPM - HOURLY CHARGE	Not Applicable								
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable				231	7	7		
1063	(Reserved)	(Reserved)								

SOLICITATION: RS-IRM-92-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC

SCHEDULE B - ITEMIZED PRICE LIST - LTOP-36, INSTALLATION AND MAINTENANCE DATE 06/04

NRCOC: Bethesda MD LOT 1 TIME 12:07

CLIN NO.	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	UNIT PRICE G LTOP-36	UNIT PRICE I INSTALL	UNIT PRICE K MO/MNT	QUANTITIES N YR-1	QUANTITIES O YR-2	QUANTITIES O YR-3	QUANTITIES R YR-4	QUANTITIES S YR-5
1001	[redacted] SGL LINE SET W/O MW	260100MOE20M				28	2	3		
1002	RS EMM, SOFTWARE	301976-05				1				
1003	RS T*TY SOFTWARE	350081-05				1				
1004	RS MCPR S/W RTU [redacted] CONFIG	360114-05								
1005	RS MSIS FLOPPY DISK BOOT SFWE	360192-05								
1006	RS PREFORMATTED BLANK DISK	360193-05				15				
1007	RS MCPR S/W RTU [redacted] CONFIG	360231-05				1				
1008	RS USER DOCUMENTATION PKG	360435-01				1				
1009	BASIC CAB PACK [redacted] EXTF XLIM-RS	360439-01				1				
1010	BASIC LTU PK FOR LTUP [redacted] M RS	360441-01				2				
1011	[redacted] ANALOG MASTER PACK-RS	360443-01				1				
1012	BASIC CAB PACK [redacted] EXTF MS-R	360449-01								
1013	[redacted] ANALOG MASTER PACK-RS	360447-01								
1014	ASIC LTU PK FOR [redacted] LTUP MS-RS	360450-01								
1015	YST FWDING ENHANCEMENT RS	360464-07				1				
1016	EXPANDED SPEED DIALING CODES RS	360464-10				1				
1017	JOINT TENANT SERVICE RS	360464-12				1				
1018	PITRONIC E-SUPRA 1-EAR OVERHEAD	769084-03				3				
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005				3				
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005				216	2	3		
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005				35				
1022	DIG TELEPHONE QUICK REF GUIDE	D110-051-005				75	5	4		
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-005				23	2	2		
1024	LTF CABLE A-F27601 /M	E008-0276-E101				1				
1025	ALARM SENDER	E066-1356-B101				1				
1026	MAC-ATTENDANT CONSOLE	E07B-1074-B401				3				
1027	BUSY LAMP FLD DIRECT STA SELEC	E07B-1075-B001				3				
1028	MIXER TRUNK CARD	E16B-3001-R460				1				
1029	4W E&M TIE TRUNK CARD	E16B-3001-R990				3				
1030	NIGHT BELL/CODE CALL INTFC CD	E16B-3003-R280				1				
1031	SINGLE LINE TELEPHONE CARD	E16B-3003-R310				7	1			
1032	RINGER GENERATOR CARD	E16B-3003-R53C				2				
1033	MODEM POOL CONTROLLER CARD	E16B-3003-R56C				1				
1034	CHARACTER TRUNK CARD	E16B-3007-R43C				1				
1035	OPS LINE CARD	E16B-3008-R25C				11				
1036	PERIPH BUS CTL CARD 4-DMA	E16B-3008-R54C				2				
1037	DIGITAL LINE CARD - 16 2B + D	E16B-3009-R15C				8				
1038	CO LS/GS TK CARD A (Std 600 OHM	E16B-3009-R17C				3				
1039	ONE WAY DID TRUNK CARD	E16B-3009-R77C				2				
1040	SWITCHING NETWORK CARD B RS	E16B-3015-R59C				2				
1041	ATTENDANT LINE CARD R	E16B-3015-R83C				1				
1042	POWER FAILURE TRANSFER CARD	E16B-9900-R000				1				
1043	CABLE DUCT	E210-0042-T512#USA				2				
1044	ATT POWER (EH CONNECTION)	E660-2506-T662#10				1				
1045	E&M TRUNK/PFT CABLE	E660-2506-T662#8				5				
1046	ATT POWER (EG CONNECTION)	E660-2506-T662#9				1				
1047	CABLE, MDC-MODEM CABLE A	E660-2508-1760#5				2				
1048	DATA TERMINAL ADAPTER	F108-0705-K001				23	2	2		
1049	MAC DT101B 28B SPEAKERPHONE	F108-0706-B111				75	5	4		
1050	STAND-ALONE DIU TO 19.2 KBPS	F128-0337-B101				35				
1051	MS/M ENGRD NET/DATA D/B SW	SW009500 MN1				1				
1052	CUST ENGRG FOR M/MS DATABASE	SW009600 MNC				1				
1053	EMML TERMINAL (IBM PC BASED)	GTIEMML				1				
1054	36-PORT TELECONFERENCING SYSTEM	TEMPO MB				2				
1055	SLT SPEAKERPHONE UNIT	XX-T1020				7	1	1		
1056	SLT AMPLIFIED HANDSET	W-6				2				
1057	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4				1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V				1				
1059	UNIVERSAL PS BATT BACKUP SUBSYST	UPS-48V				1				
1060	INITIAL SPARE PARTS KIT	Not Applicable				1				
1061	OPPM - HOURLY CHARGE	Not Applicable								
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable				231	7	7		
1063	(Reserved)	Reserved								

USE OR DISCLOSURE OF PROPOSAL DATA IS SUBJECT TO THE RESTRICTIONS OF THE TITLE PAGE OF THIS PROPOSAL.

SOLICITATION: RS-IRM-92-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC
SCHEDULE B - ITEMIZED PRICE LIST - LTOP-48 INSTALLATION AND MAINTENANCE DATE 08/04
NRCOC: Bethesda MD LOT 1 TIME 12:07

CLIN NO.	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	UNIT PRICE G LTOP-48	UNIT PRICE I INSTALL	UNIT PRICE K MO/MNT	QUANTITIES N YR-1	QUANTITIES O YR-2	QUANTITIES Q YR-3	QUANTITIES R YR-4	QUANTITIES S YR-5
1001	[redacted] SGL LINE SET W/O MW	260100MOE20M	[redacted]			28	2	3		
1002	RS EMML SOFTWARE	301976-05				1				
1003	RS TP/TV SOFTWARE	360061-05				1				
1004	RS MCPR S/W RTU [redacted] CONFIG	360114-05								
1005	RS MS/S FLOPPY DISK BOOT SFWE	360192-05								
1006	RS PREFORMATTED BLANK DISK	360193-05				15				
1007	RS MCPR S/W RTU [redacted] CONFIG	362231-05				1				
1008	RS USER DOCUMENTATION PKG	360435-01				1				
1009	BASIC CAB PACK [redacted] EXTF XL/M-RS	360439-01				1				
1010	BASIC LTU PK FOR LTUP [redacted] M-RS	360441-01				2				
1011	[redacted] ANALOG MASTER PACK-RS	360443-01				1				
1012	BASIC CAB PACK [redacted] TF MS-RS	360449-01								
1013	[redacted] ANALOG MASTER PACK-RS	360447-01								
1014	BASIC LTU PK FOR [redacted] LTUP MS-RS	360450-01								
1015	SYST FWLING ENHANCEMENT RS	362464-07				1				
1016	EXPAN 62 SPEED DIALING CODES RS	360464-10				1				
1017	JOINT TENANT SERVICE RS	360464-12				1				
1018	P/TRONIC E-SUPRA 1-EAR OVER/HEAD	789084-03				3				
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005				3				
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005				216	2	3		
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005				35				
1022	DIG TELEPHONE QUICK REF GUIDE	D110-051-005				75	5	4		
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-005				23	2	2		
1024	LTE CABLE A-E276D1 M	E008-0276-E101				1				
1025	ALARM SENDER	E068-1356-B101				1				
1026	HAC-ATTENDANT CONSOLE	E078-1074-8401				3				
1027	BUSY LAMP FLD DIRECT STA SELEC	E078-1075-8001				3				
1028	MIXED TRUNK CARD	E168-3001-R460				1				
1029	4W E&M TIE TRUNK CARD	E168-3001-R990				3				
1030	NIGHT BELL/CODE CALL INTFC CD	E168-3003-R280				1				
1031	SINGLE LINE TELEPHONE CARD	E168-3003-R310				7	1			
1032	RINGER GENERATOR CARD	E168-3003-R530				2				
1033	MODEM POOL CONTROLLER CARD	E168-3003-R560								
1034	CHARACTER TRUNK CARD	E168-3007-R430								
1035	OPS LINE CARD	E168-3008-R260								
1036	PERIPH BUS CTL CARD 4-DMA	E168-3008-R540								
1037	DIGITAL LINE CARD - 16 2B+D	E168-3009-R150				6				
1038	CO LS GS TK CARD A (Std 600 OHM	E168-3009-R170				2				
1039	ONE WAY DID TRUNK CARD	E168-3009-R770				2				
1040	SWITCHING NETWORK CARD B RS	E168-3015-R590				2				
1041	ATTENDANT LINE CARD RS	E168-3015-RB30				1				
1042	POWER FAILURE TRANSFER CARD	E168-9900-R000				1				
1043	CABLE DUCT	E2[illegible]-0042-T512#USA				2				
1044	ATT POWER (EM CONNECTION)	E6[illegible]-2506-T662#10				1				
1045	E&M TRUNK/PFT CABLE	E660-2506-T662#8				5				
1046	ATT POWER (EG CONNECTION)	E650-2506-T662#9				1				
1047	CABLE, MDC-MODEM CABLE A	E660-2506-T760#5				2				
1048	DATA TERMINAL ADAPTER	F106-0705-K001				23	2	2		
1049	HAC DT101B 288 SPEAKERPHONE	F106-0706-B111				75	5	4		
1050	STAND-ALONE DIU TO 19.2 KBPS	F128-0337-B101				35				
1051	MS/M ENGRD NET/DATA C/B SW	SW009500 MN1				1				
1052	CUST ENGRG FOR M/MS DATABASE	SW009600 MNC				1				
1053	EMML TERMINAL (IBM PC BASED	GTIEM/ML				1				
1054	36-PORT TELECONFERENCING SYSTEM	TEMPO MB				2				
1055	SLT SPEAKERPHONE UNIT	KX-T1020				7	1	1		
1056	SLT AMPLIFIED HANDSET	W-6				2				
1057	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4				1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V				1				
1059	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V				1				
1060	INITIAL SPARE PARTS KIT	Not Applicable				1				
1061	OPPM - HOURLY CHARGE	Not Applicable								
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable				431	7	7		
1063	(Reserved)	(Reserved)								

SOLICITATION: RS-IRM-92-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC
SCHEDULE B - ITEMIZED PRICE LIST - LTOP-60 INSTALLATION AND MAINTENANCE DATE 08/04
NRCOC: Bethesda MD LOT 1 TIME 12:08

CLIN NO.	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	UNIT PRICE G LTOP-60	UNIT PRICE I INSTALL	UNIT PRICE K MAINT	QUANTITIES N YR-1	QUANTITIES O YR-2	QUANTITIES Q YR-3	QUANTITIES R YR-4	QUANTITIES S YR-5
1001	[redacted] SGL LINE SET W/O MW	260100MOE20M	[redacted]			28	2	3		
1002	RS EMML SOFTWARE	30'976-05				1				
1003	RS TP/TV SOFTWARE	3[illegible]061-05				1				
1004	RS MCPR S/W RTI [redacted] CONFIG	3601[illegible]A-05								
1005	RS MS/S FLOPPY DISK BOOT SFWE	360157-05								
1006	RS PREFORMATTED BLANK DISK	350193-05				15				
1007	RS MCPR S/W RTI [redacted] CONFIG	350231-05				1				
1008	RS USER DOCUMENTATION PKG	350435-01				1				
1009	BASIC CAB PACK [redacted] TF XL/M-RS	350439-01				1				
1010	BASIC LTU PK FOR LTOP [redacted] M-RS	350441-01				2				
1011	[redacted] ANALOG MASTER PACK-RS	350443-01				1				
1012	BASIC CAB PACK [redacted] MS-RS	350449-01								
1013	[redacted] ANALOG M. STER PACK-RS	350447-01								
1014	BASIC LTU P FOR [redacted] LTUP MS-RS	350450-01								
1015	SYST FWDI G ENHANCEMENT RS	350464-01				1				
1016	EXPANDED SPEED DIALING CODES RS	350464-10				1				
1017	JOINT TE ANT SERVICE RS	350464-15				1				
1018	P/TRONIC E-SUPRA 1-EAR OVER/HEAD	769084-03				3				
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005				3				
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005				216	2	3		
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005				35				
1022	DIG TELEPHONE QUICK REF GUIDE	D110-051-005				75	5	4		
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-005				23	2	2		
1024	LTE CABLE A-F276D1 M	E008-0276-E10				1				
1025	ALARM SENDER	E068-1356-B101				1				
1026	HAC ATTENDANT CONSOLE	E078-1074-B401				3				
1027	BUSY LAMP FLD/DIR CT STA SELEC	E078-1075-B001				3				
1028	MIXER TRUNK CARD	E168-3001-R460				1				
1029	4W E&M TIE TRUNK CARD	E168-3001-R990				3				
1030	NIGHT BELL/CODE CALL INTFC CD	E168-3003-R280				1				
1031	SINGLE LINE TELEPHONE CARD	E168-3003-R310				7				
1032	RINGER GENERATOR CARD	E168-3003-R530				2				
1033	MODEM POOL CONTROLLER CARD	E168-3003-R560				1				
1034	CHARACTER TRUNK CARD	E168-3007-R430				1				
1035	OPS LINE CARD	E168-3008-R250				11				
1036	PERIPH BUS CTL CARD 4-DMA	E168-3008-R540								
1037	DIGITAL LINE CARD - 16 2B+D	E168-3009-R150				6				
1038	CO LS/GS TK CARD A (Std 600 OHM	E168-3009-R170				3				
1039	ONE WAY DID TRUNK CARD	E168-3009-R770				2				
1040	SWITCHING NETWORK CARD B RS	E168-3015-R590				2				
1041	ATTENDANT LINE CARD RS	E168-3015-R830				1				
1042	POWER FAILURE TRANSFER CARD	E168-9900-R000				1				
1043	CABLE DUCT	E210-004[illegible]-T512#USA				2				
1044	ATT POWER (EM CONNECTION)	E660-250[illegible]-T662#10				1				
1045	E&M TRUNK/PBT CABLE	E660-2506-T662#8				5				
1046	ATT POWER (EG CONNECTION)	E660-2506-T662#9				1				
1047	CABLE, MDC MODEM CABLE A	E660-2506-T760#5				2				
1048	DATA TERMINAL ADAPTER	F108-0705-K001				23	2	2		
1049	HAC DT101B 288 SPEAKERPHONE	F108-0706-B111				75	5	4		
1050	STAND-ALONE DIU TO 19.2 KBPS	F128-0337-B101				35				
1051	MS/M ENGRD NET DATA D/B SW	SW009600 MN1				1				
1052	CUST ENGRG FOR M/MS DATABASE	SW009600 MNC				1				
1053	EMML TERMINAL (IBM PC BASED)	GTIEMML				1				
1054	36-PORT TELECONFERENCING SYSTEM	TEMPO MB				2				
1055	SLT SPEAKERPHONE UNIT	KX-T1020				2	1	1		
1056	SLT AMPLIFIED HANDSET	W-6				2				
1057	MANAGEMENT SYSTEM w/4 CRT	GTI/TSII/MS-4				1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V				1				
1059	UNIVERSAL PS BATT BACKUP SUBSYST	UPS-48V				1				
1060	INITIAL SPARE PARTS KIT	Not Applicable				1				
1061	OPPM - HOURLY CHARGE	Not Applicable								
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable				231	7	7		
1063	(Reserved)	(Reserved)								

SPARES KIT for ALL LOTS		BAFO
ITEM DESCRIPTION	MFR PART#	QTY PROV'D
BASIC CAB PACK	360370-01	1
FLOPPY DISK DRIVE	E15B-0080-C002	1
HARD DISK DRIVE (40MB)	E15B-0099-C001	1
MISC CONTROL CARD	E16B-3003-R550	1
CLOCK DISTRIBUTOR CARD	E16B-3005-R350	1
DIGITAL LINE CARD	E16B-3009-R150	1
T-1 TRUNK PACK	360348-01	1
ISDN/PRI & T1 W/SYNC CD	E16B-3006-R950	1
SINGLE LINE TEL CARD	E16B-3003-R310	1
CO LS/GS B.I TK CD 600 OHM	E16B-3009-R170	1
MIXER TRUNK CARD	E16B-3001-R460	1
DTMF CARD	E16B-3003-R710	1
TONE DETECTION CARD	E16B-3003-E017	1

SOLICITATION: RS-IRM-92-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC
SCHEDULE C - INTEREST RATES AND FACTORS DATE 08/04
COLUMN A - REGION/LOCATION = ANY REGION or LOCATION LOTS: 1-4 TIME 12:08

B LTOP TERM (In Mos.)	D MARGIN PERCENTAGE	F TREASURY CONSTANT MATURITY TERM	H* TREASURY CONSTANT MATURITY RATE	J* (D + H) LTOP INTEREST RATE	L* LTOP INTEREST FACTOR
24	8.00%	2-YEAR	4.40%	[redacted]	
36	8.00%	3-YEAR	4.98%		
48	8.00%	5-YEAR	5.91%		
60	8.00%	5-YEAR	5.91%		

* Subject to change, based upon the Federal Reserve Statistical Release G.13 for 7/7/92.
* Also, 5 year rates were used for 48 month LTOP; no 4 year G.13 rates are published.

TERMINATION LIABILITY SCHEDULE
(See next page.)

TERMINATION LIABILITY SCHEDULE

(Expressed as % of Purchase Price) BAFO

For LTOP plans, canceled at end of month:

Month Term'd	LTOP 24	LTOP 36	LTOP 48	LTOP 60
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22	9.31%			
23	4.68%			
24	0.00%			
25	0.00%			
26	0.00%			
27	0.00%			
28	0.00%			
29	0.00%			
30	0.00%			
31	0.00%			
32	0.00%			
33	0.00%	9.91%		
34	0.00%	6.65%		
35	0.00%	3.35%		
36	0.00%	0.00%		
37	0.00%	0.00%		
38	0.00%	0.00%		
39	0.00%	0.00%		
40	0.00%	0.00%		
41	0.00%	0.00%		
42	0.00%	0.00%		
43	0.00%	0.00%		
44	0.00%	0.00%		
45	0.00%	0.00%		
46	0.00%	0.00%		
47	0.00%	0.00%		
48	0.00%	0.00%	0.00%	
49	0.00%	0.00%	0.00%	
50	0.00%	0.00%	0.00%	
51	0.00%	0.00%	0.00%	
52	0.00%	0.00%	0.00%	
53	0.00%	0.00%	0.00%	
54	0.00%	0.00%	0.00%	
55	0.00%	0.00%	0.00%	
56	0.00%	0.00%	0.00%	
57	0.00%	0.00%	0.00%	
58	0.00%	0.00%	0.00%	
59	0.00%	0.00%	0.00%	
60	0.00%	0.00%	0.00%	

SOLICITATION: RS-IRM-92-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC

SCHEDULE D - TARIFFED CHARGES DATE 08/04

COLUMN A - REGION/LOCATION = NRCOC: Bethesda MD LOT: 1 TIME 16:31

A CLIN	C ITEM DESCRIPTION OR NOMENCLATURE	Y TARIFF (LEC) REFERENCE	E NONRECUR UNIT PRICE	G RECUR UNIT PRICE		I	K	N	O	Q
						INCREMENTAL QTY PERIODS				
						01-60	13-60	25-60	37-60	49-60
4001	CO LOOP Line	C&P TEL COMPANY	$121.00	$17.17		10				25
4002	DID Line	C&P TEL COMPANY	121.00	48.82		10				25
4003	DID Station/20 Stations	C&P TEL COMPANY		4.00		11				15
4004	CO FTS2000 Access Line	C&P TEL COMPANY	121.00	17.17		10				35
4005	FX Line	C&P TEL COMPANY	121.00	79.58		10				25
4006	OUT WATTS Line	C&P TEL COMPANY	121.00	47.42		3				5
4007	OUT WATTS Hours 0-15	C&P TEL COMPANY		14.40		3				5
4008	OUT WATTS Hours 15.1-40	C&P TEL COMPANY		13.14						
4009	OUT WATTS Hours 40.1-80	C&P TEL COMPANY		11.91						
4010	OUT WATTS Hours 80.1-140	C&P TEL COMPANY		10.55						
4011	OUT WATTS Hours 140.1-220	C&P TEL COMPANY		8.93						
4012	OUT WATTS Hours 220.1-XXX	C&P TEL COMPANY		6.88						
4013	OPX Line	C&P TEL COMPANY	121.00	41.00		88				100
4014	OPX Type A Signaling	C&P TEL COMPANY		11.25						
4015	OPX Type B Signaling	C&P TEL COMPANY		6.85						
4016	OPX Type C Signaling	C&P TEL COMPANY		1.30		88				100
4017	(Reserved)									
4018	(Reserved)									
4019	(Reserved)									
4020	(Reserved)									
4021	(Reserved)									
4022	(Reserved)									
4023	(Reserved)									
4024	(Reserved)									
4025	(Reserved)									

RFP's "Equipped Capacity" quantity is reflected in column "01-60".

RFP's "Projected Maximum Capacity" quantity is reflected in column "49-60".

SOLICITATION: RS-IRM-92-344				BAFO	FILE:	NRC
SCHEDULE F - EQUIPMENT ROOM REQUIREMENTS					DATE:	08/04
NRCOC: Bethesda MD	LOT: 1				TIME:	12:08

ITEM DESCRIPTION OR NOMENCLATURE	Insert Total Required for Period Beginning with Month:				
	00-12	13-24	25-36	37-48	49-60
Power Consumed (KWH)	16,048	16,048	16,048	16,048	16,048
Heat Dissipated (BTUH/3413 = KWH)	16,047	16,047	16,047	16,047	16,047
Equipment Room Space (SqFt)	44.5	44.5	44.5	44.5	44.5
Power Costs @ KWH					
Space Costs @ SQFT					
Evaluated Power Cost					
Evaluated Space Cost					
Total Cost Evaluation for Power					For 60 Months
Total Cost Evaluation for Space					For 60 Months
Total Evaluated Cost	$12,483.35	For 60 Months			

NOTE:
POWER CONSUMED (KWH) = Equipment KWH x 365 da/yr x 24 hr/da.
Similar formulas were utilized for BTU's; BTUH was converted/3413 to KWH.
Year to year changes were not significant; we used MAXIMUM sizes for computations.

SOLICITATION: RS-IRM-82-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC

SCHEDULE A - ITEMIZED PRICE LIST - PURCHASE, INSTALLATION AND MAINTENANCE DATE 08/04

REGION I King of Prussia PA LOT 2 TIME 12:10

CLIN NO	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	UNIT PRICE G PURCHASE	UNIT PRICE I INSTALL	UNIT PRICE K MO/MNT	QUANTITIES M YR-1	QUANTITIES O YR-2	QUANTITIES Q YR-3	QUANTITIES R YR-4	QUANTITIES S YR-5
1001	[redacted] SGL LINE SET W/O MW	260100MOE20M				248	13	14	15	17
1002	RS EMML SOFTWARE	301976-05				1				
1003	RS TP/TY SOFTWARE	350061-05				1				
1004	RS MCPR S/W RTU [redacted] CONFIG	360114-05				1				
1005	RS MS/S FLOPPY DISK B[redacted]T SFWE	350192-05				1				
1006	RS PREFORMATTED BLA[redacted] DISK	360193-05				15				
1007	RS MCPR S/W RTU[redacted] CONFIG	360231-05								
1008	RS USER DOCUMENTATION PKG	360435-01				1				
1009	BASIC CAB PACK[redacted] EXTF XL M-RS	360439-01								
1010	BASIC LTU PK FOR LTUP[redacted] M-RS	360441-01								
1011	[redacted] ANALOG MASTER PACK-RS	360443-01								
1012	BASIC CAB PAC[redacted] TF MS-RS	360449-01						1		
1013	[redacted] ANALOG MASTER PACK-RS	360447-01				1				
1014	BASIC LTU PK FOR [redacted] TUP MS-RS	360450-01				3				
1015	SYST FWDING ENHANCEMENT RS	360464-07								
1016	EXPANDED SPEED DIALING CODES RS	360464-15				1				
1017	JOINT TENANT SERVICE RS	360464-14								
1018	P TRONIC E-SUPRA 1-EAR OVERHEAD	769084-03				1		1		
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005				1		1		
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005				254	13	14	15	17
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005				151	4	4	4	6
1022	DIG TELEPHONE QUICK REF GUIDE	D110-051-005				79	2	3	3	2
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-005				14		1	1	
1024	LTF CABLE A-F276D1 /M	E008-0276-E101								
1025	ALARM SENDER	E068-1356-B101				1				
1026	MAC-ATTENDANT CONSOLE	E078-1074-B4[redacted]				1		1		
1027	BUSY LAMP FLD/DIRECT STA SELEC	E078-1078-B0[redacted]				1		1		
1028	MIXER TRUNK CARD	E168-3001-R46C				1				
1029	4W E&M TIE TRUNK CARD	E168-3001-R99C				3				
1030	NIGHT BELL/CODE CALL INTFC CD	E168-3003-R28C				1				
1031	SINGLE LINE TELEPHONE CARD	E168-3003-R31C				11	1	1	1	1
1032	RINGER GENERATOR CARD	E168-3003-R53[redacted]				1				
1033	MODEM POOL CONTROLLER CARD	E168-3003-R56[redacted]								
1034	CHARACTER TRUNK CARD	E168-3007-R43C				3				
1035	CPS LINE CARD	E168-3008-R25C				2				
1036	PERIPH BUS CTL CARD A-DMA	E168-3008-R54C				1				
1037	DIGITAL LINE CARD - 16 28 + D	E168-3009-R15C				15		1		1
1038	CO LS/GS TK CARD A (516 600 OHM	E168-3009-R17C				11				
1039	ONE WAY DID TRUNK CARD	E168-3009-R23C				2				
1040	SWITCHING NETWORK CARD B RS	E168-30[redacted]-R59C				1				
1041	ATTENDANT LINE CARD RS	E168-3C[redacted]-R[redacted]C				1				
1042	POWER FAILURE TRANSFER CARD	E168-9900-R30C				1				
1043	CABLE DUCT	E210-0042-T512#USA				1		1		
1044	ATT POWER (EH CONNECTION)	E660-2506-T662#10								
1045	E&M TRUNK/PBT CABLE	E660-2506-T662#8				5				
1046	ATT POWER (EG CONNECTION)	E660-2506-T662#9				1				
1047	CABLE, MDC MODEM CABLE A	E660-2506-T760#5								
1048	DATA TERMINAL ADAPTER	F108-0705-K001				14		1	1	
1049	HAC DT101A 28B SPEAKERPHONE	F108-0706-B111				79	2	3	3	2
1050	STAND-ALONE DIU TO 19.2 KBPS	F128-0337-B101				151	4	4	4	6
1051	MS/M ENGR NET/DATA D/B SW	SW009500 MN1				1				
1052	CUST ENGR FOR M/MS DATABASE	SW009600 MNC				1				
1053	EMML TERM AL (IBM PC BASED)	GTIEMM				1				
1054	36-PORT TELECONFERENCING SYSTEM	TEMPO M8								
1055	SLT SPEAKERPHONE UNIT	KX-T1020				62	4	3	4	4
1056	SLT AMPLIFIED HANDSET	W-6				13	1		1	1
1057	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4				1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V				1				
1059	UNIVERSAL PS BATT BACKUP SUBSYST	UPS-48V								
1060	INITIAL SPARE PARTS KIT	Not Applicable				1				
1061	OPPM - HOURLY CHARGE	Not Applicable				56	96	96	96	96
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable				228	15	18	18	19
1063	(Reserved)	(Reserved)								

SOLICITATION: RS-IRM-82-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC

SCHEDULE B - ITEMIZED PRICE LIST - LTOP-24, INSTALLATION AND MAINTENANCE DATE 08/04

REGION I King of Prussia PA LOT 2 TIME 12:11

CLIN NO	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	UNIT PRICE G LTOP-24	UNIT PRICE I INSTALL	UNIT PRICE K MO/MNT	QUANTITIES N YR-1	QUANTITIES O YR-2	QUANTITIES Q YR-3	QUANTITIES R YR-4	QUANTITIES S YR-5
1001	[redacted] SGL LINE SET W/O MW	260100MOE20M	[redacted]			248	13	14	15	17
1002	RS EMML SOFTWARE	301976-05				1				
1003	RS TP/TV SOFTWARE	360061-05				1				
1004	RS MCPR S/W RTU [redacted] CONFIG	360114-05				1				
1005	RS MS'S FLOPPY DISK BOOT SFWE	360192-05				1				
1006	RS PRE-FORMATTED BLANK DISK	360193-05				15				
1007	RS MPR S/W RTU [redacted] CONFIG	360231-05								
1008	RS USER DOCUMENTATION PKG	360435-01				1				
1009	BASIC CAB PACK [redacted] TF XL/M-RS	360439-01								
1010	BASIC LTU PK FOR LTU [redacted] M-RS	360441-01								
1011	[redacted] ANALOG MASTER PACK-RS	360442-01								
1012	BASIC CAB PACK [redacted] TF MS-RS	360449-01						1		
1013	[redacted] ANALOG MASTER PACK-RS	360447-01				1				
1014	BASIC LTU PK FOR [redacted] LTUP MS-RS	360450-01				3				
1015	SYST FWDING ENHANCEMENT RS	360454-07								
1016	EXPANDED SPEED DIALING CODES RS	360464-10				1				
1017	JOINT TENANT SERVICE RS	360464-12								
1018	P TRONIC E-SUPRA 1-EAR OVER/HEAD	769084-03				1		1		
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005				1		1		
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005				264	13	14	15	17
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005				151	4	4	4	6
1022	DIG TELEPHONE QUICK REF GUIDE	D110-051-005				79	2	3	3	2
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-005				14		1		
1024	LTF CABLE A-F276D1 /M	E008-0276-E101								
1025	ALARM SENDER	E068-1356-B101				1				
1026	HAC-ATTENDANT CONSOLE	E074-1074-B401				1		1		
1027	BUSY LAMP FLD/DIRECT STA SELEC	E078-1075-B001				1		1		
1028	MIXER TRUNK CARD	E168-3001-R460				1				
1029	4W E&M TIE TRUNK CARD	E168-3001-R990				3				
1030	NIGHT BELL/CODE CALL INTFC CD	E168-3003-R280				1				
1031	SINGLE LINE TELEPHONE CARD	E168-3003-R310				11	1	1	1	1
1032	RINGER GENERATOR CARD	E168-3003-R530				1				
1033	MODEM POOL CONTROLLER CARD	E168-3003-R560								
1034	CHARACTER TRUNK CARD	E168-3007-R430				3				
1035	OPS LINE CARD	E168-3008-R250				2				
1036	PERIPH BUS CTL CARD 4-DMA	E168-3008-R540				1				
1037	DIGITAL LINE CARD - 16 28+D	E168-3009-R150				15		1		1
1038	CO LS/GS TK CARD A (5I6 600 OHM	E168-3009-R170				11				
1039	ONE WAY DID TRUNK CARD	E168-3009-R770				2				
1040	SWITCHING NETWORK CARD B RS	E168-3015-R590				1				
1041	ATTENDANT LINE CARD RS	E168-3015-R830				1				
1042	POWER FAILURE TRANSFER CARD	E168-9900-R000				1				
1043	CABLE DUCT	E210-0042-T512#USA				1		1		
1044	ATT POWER (EH CONNECTION)	E660-2506-T662#10								
1045	E&M TRUNK/PBT CABLE	E660-2506-T662#8				5				
1046	ATT POWER (EG CONNECTION)	E660-2506-T662#9				1				
1047	CABLE (MDC MODEM CABLE A	E660-2506-T760#5								
1048	DATA TERMINAL ADAPTER	F108-0705-K001				14		1	1	
1049	HAC DT1018 28B SPEAKERPHONE	F108-0706-B111				79	2	3	3	2
1050	STAND-ALONE DIU TO 1& 2 KBPS	F128-0337-B101				151	4	4	4	6
1051	MS M ENGRD NET/DATA D/B SW	SW009600 MN1				1				
1052	CUST ENGRG FOR MIMS DATABASE	SW009600 MNC				1				
1053	EMML TERMINAL (IBM PC BASED)	GTIEMAL				1				
1054	36-PORT TELECONFERENCING SYSTEM	TEMPO MB								
1055	SLT SPEAKERPHONE UNIT	KX-T1020				62	4	3	4	4
1056	SLT AMPLIFIED HANDSET	W-6				13	1		1	1
1057	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4				1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V				1				
1059	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V								
1060	INITIAL SPARE PARTS KIT	Not Applicable				1				
1061	OPPM - HOURLY CHARGE	Not Applicable				56	96	96	96	96
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable				228	15	18	18	19
1063	(Reserved)	(Reserved)								

SOLICITATION: RS-IRM-92-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC

SCHEDULE B - ITEMIZED PRICE LIST - LTOP-36 INSTALLATION AND MAINTENANCE DATE 08/04

REGION I: King of Prussia PA LOT 2 TIME 12:11

CLIN NO	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	UNIT PRICE G LTOP-36	UNIT PRICE I INSTALL	UNIT PRICE K MO/MNT	QUANTITIES N YR-1	QUANTITIES O YR-2	QUANTITIES Q YR-3	QUANTITIES R YR-4	QUANTITIES S YR-5
1001	[redacted] SGL LINE SET W/O MW	260100MOE20M	[redacted]			248	13	14	15	17
1002	RS EMML SOFTWARE	301976-05				1				
1003	RS TP/TV SOFTWARE	360061-05				1				
1004	RS MCPP S/W RTU [redacted] CONFIG	360114-05				1				
1005	RS MS/S FLOPPY DISK BOOT SFWE	360192-05				15				
1006	RS PREFORMATTED BLANK DISK	360193-05								
1007	RS MCPP S/W RTU [redacted] CONFIG	360231-05				1				
1008	RS USER DOCUMENTATION PKG	360435-01								
1009	BASIC CAB PACK [redacted] TF XL/M-RS	360439-01								
1010	BASIC LTU PK FOR LTU [redacted] L/M-RS	360441-01								
1011	[redacted] ANALOG MASTER PACK-RS	360443-01						1		
1012	BASIC CAB PAC [redacted] TF MS-RS	360449-01				1				
1013	[redacted] ANALOG MASTER PACK-RS	360447-01				3				
1014	BASIC LTU PK FOR [redacted] UP MS-RS	360450-01								
1015	SYST FWDING ENHANCEMENT RS	360464-01				1				
1016	EXPANDED SPEED DIALING CODES RS	360464-10								
1017	JOINT TENAN SERVICE RS	360464-12				1		1		
1018	P/TRONIC E-S PRA 1-EAR OVER HEAD	769084-03				1		1		
1019	ATTEND CO[redacted]OLE QUICK REF GUIDE	D110-042-005				264	13	14	15	17
1020	SINGLE LINE T[redacted] QUICK REF GUIDE	D110-045-005				151	4	4	4	6
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005				79	2	3	3	2
1022	DIG TELEPHONE QUICK REF GUIDE	D110-051-005				14		1	1	
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-005								
1024	LTF CABLE A-F276D1 M	E008-0276-E101								
1025	ALARM SENDER	E068-1356-B101				1				
1026	HAC ATTENDANT CONSOLE	E078-1074-B401				1		1		
1027	BUSY LAMP FLD DIRECT STA SELEC	E078-1075-B001				1		1		
1028	MIXER TRUNK CARD	E168-3001-R460				1				
1029	4W E&M TIE TRUNK CARD	E168-3001-R990				3				
1030	NIGHT BELL CODE CALL INTFC CD	E168-3003-R280				1				
1031	SINGLE LINE TELEPHONE CARD	E168-3003-R310				11	1	1	1	1
1032	RINGER GENERATOR CARD	E168-3003-R530				1				
1033	MODEM POOL CONTROLLER CARD	E168-3003-R560								
1034	CHARACTER TRUNK CARD	E168-3007-R430				3				
1035	DPS LINE CARD	E168-3008-R350				2				
1036	PERIPH BUS CTL CARD 4 DMA	E168-3008-R540				1				
1037	DIGITAL LINE CARD - 16 2B+D	E168-3009-R150				15		1		1
1038	CO LS GS TK CARD A (Std 600 OHM	E168-3009-R170				11				
1039	ONE WAY DID TRUNK CARD	E168-3009-R770				2				
1040	SWITCHING NETWORK CARD B RS	E168-3015-R590				1				
1041	ATTENDANT LINE CARD RS	E168-3015-R830				1				
1042	POWER FAILURE TRANSFER CARD	E168-9900-R000				1				
1043	CABLE DUCT	E210-0042-T512#USA				1		1		
1044	ATT POWER (EH CONNECTION)	E660-2506-T662#10								
1045	E&M TRUNK/PBT CABLE	E660-2506-T662#8				5				
1046	ATT POWER (EG CONNECTION)	E660-2506-T662#9				1				
1047	CABLE, MOC MODEM CABLE A	E660-2506-T760#5								
1048	DATA TERMINAL ADAPTER	F108-0705-K001				14		1	1	
1049	HAC DT1018 28B SPEAKERPHONE	F108-0706-B111				79		3	3	2
1050	STAND-ALONE DIU TO 19.2 KBPS	F128-0337-B101				151		4	4	6
1051	MS/M ENGRD NET/DATA D/B SW	SW00955[redacted] MN1				1				
1052	CUST ENGRG FOR M/MS DATABASE	SW00960[redacted] MNC				1				
1053	EMML TERMINAL (IBM PC BASED)	GTIEMM				1				
1054	36-PORT TELECONFERENCING SYSTEM	TEMPO MB								
1055	SLT SPEAKERPHONE UNIT	KX-T1020				62	4	3	4	4
1056	SLT AMPLIFIED HANDSET	W-6				13	1		1	1
1057	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4				1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V				1				
1059	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V								
1060	INITIAL SPARE PARTS KIT	Not Applicable				1				
1061	OPPM - HOURLY CHARGE	Not Applicable				56	96	96	96	96
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable				228	15	18	18	19
1063	(Reserved)	(Reserved)								

SOLICITATION: RS-IRM-82-344 U.S. NUCLEAR REGULATORY COMMISSION SAFO FILE NRC

SCHEDULE B - ITEMIZED PRICE LIST - LTOP-48, INSTALLATION AND MAINTENANCE DATE 08/04

REGION I: King of Prussia PA LOT 2 TIME 12:11

CLIN NO	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	UNIT PRICE H LTOP-48	UNIT PRICE I INSTALL	UNIT PRICE K MO/MNT	QUANTITIES N YR-1	QUANTITIES O YR-2	QUANTITIES Q YR-3	QUANTITIES R YR-4	QUANTITIES S YR-5
1001	[redacted] SGL LINE SET W/O MW	260100MOE20M	[redacted]			248	13	14	15	17
1002	RS EMML SOFTWARE	301976-05				1				
1003	RS TP/TV SOFTWARE	360061-05				1				
1004	RS MCPP S/W RTU [redacted] CONFIG	360114-05				1				
1005	RS MS/S FLOPPY DISK BOOT SFWE	360192-05				15				
1006	RS PREFORMATTED BLANK DISK	360193-05								
1007	RS MCPP S/W RTU [redacted] CONFIG	360231-05				1				
1008	RS USER DOCUMENTATION PKG	360435-01								
1009	BASIC CAB PACK [redacted] EXTF XL/M-RS	360439-01								
1010	BASIC LTU PK FOR LTUP [redacted] M-RS	360441-01								
1011	[redacted] ANALOG MASTER PACK-RS	360443-01						1		
1012	BASIC CAB PACK [redacted] EXTF MS-RS	360449-01				1				
1013	[redacted] ANALOG MASTER PACK-RS	360447-01				3				
1014	BASIC LTU PK FOR [redacted] TUP MS-RS	360450-01								
1015	SYST FWDING ENHANCEMENT PS	360404-07				1				
1016	EXPANDED SPEED DIALING CODES RS	360464-10								
1017	JOINT TENANT SERVICE RS	360464-12				1		1		
1018	P/TRONIC E SUPRA T-BAR OVERHEAD	769084-03				1		1		
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005				264	13	14	15	17
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005				151	4	4	4	6
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005				79	2	3	3	2
1022	DIG TELEPHONE QUICK REF GUIDE	D110-031-005				14		1	1	
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-023-005								
1024	LTE CABLE A-E276D1 /M	E00R-0276-E101				1				
1025	ALARM SENDER	E05R-1356-R101				1		1		
1026	MAC-ATTENDANT CONSOLE	E07B-1074-B401				1		1		
1027	BUSY LAMP FLD DIRECT STA SELEC	E07B-1075-B001				1				
1028	MIXER TRUNK CARD	E16B-3001-R460				3				
1029	4W E&M TIE TRUNK CARD	E16B-3001-R99				1				
1030	NIGHT BELL CODE CALL INTFC CD	E16B-3003-R1				11	1	1	1	1
1031	SINGLE LINE TELEPHONE CARD	E16B-3003-R1				1				
1032	RINGER GENERATOR CARD	E16B-3003-R2								
1033	MODEM POOL CONTROLLER CARD	E16B-3003-R60				3				
1034	CHARACTER TRUNK CARD	E16B-3007-R430				2				
1035	DPS LINE CARD	E16B-3008-R250				1				
1036	PERIPH BUS CTL CARD 4-DMA	E16B-3008-R540				15		1		1
1037	DIGITAL LINE CARD - 16 2B+D	E16B-3009-R150				11				
1038	CO LS/GS TK CARD A (Std 600 OHM	E16B-3009-R170				2				
1039	ONE WAY DID TRUNK CARD	E16B-3009-R220				1				
1040	SWITCHING NETWORK CARD B RS	E16B-3011-R590				1				
1041	ATTENDANT LINE CARD RS	E16B-3011-R830				1				
1042	POWER FAILURE TRANSFER CARD	E16B-9900-R000				1		1		
1043	CABLE DUCT	E210-0042-T512#USA				1				
1044	ATT POWER (EH CONNECTION)	E660-2506-T662#10				5				
1045	E&M TRUNK/PBT CABLE	E660-2506-T662#8				1				
1046	ATT POWER (EG CONNECTION)	E660-2506-T662#9								
1047	CABLE, MDC MODEM CABLE A	E660-2506-T760#5				14		1	1	
1048	DATA TERMINAL ADAPTER	F108-0706-K001				79	2	3	3	2
1049	MAC DT101B 288 SPEAKERPHONE	F108-0706-B111				151	4	4	4	6
1050	STAND-ALONE DIU TO 19.2 KBPS	F12B-0337-B101				1				
1051	MS/M ENGRD NET/DATA D.B.SW	SW0029600 MN1				1				
1052	CUST ENGRG FOR M-MS DATABASE	SW0096600 MNC				1				
1053	EMML TERMINAL (IBM PC BASED)	GTIEMML								
1054	36-PORT TELECONFERENCING SYSTEM	TEMPO MB				62	4	3	4	4
1055	SLT SPEAKERPHONE UNIT	KX-T1020				13	1		1	1
1056	SLT AMPLIFIED HANDSET	W-6				1				
1057	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4				1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V				1				
1059	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V								
1060	INITIAL SPARE PARTS KIT	Not Applicable				1				
1061	OPPM - HOURLY CHARGE	Not Applicable				56	96	96	96	96
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable				228	15	18	18	19
1063	[Reserved]	[Reserved]								

SOLICITATION: RS IRM-92-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC

SCHEDULE B - ITEMIZED PRICE LIST - LTOP-60, INSTALLATION AND MAINTENANCE DATE 08/04

REGION I: King of Prussia PA [redacted] 2 TIME 12:12

CLIN NO	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	UNIT PRICE G LTOP-60	UNIT PRICE I INSTALL	UNIT PRICE K MO/MNT	QUANTITIES N YR-1	QUANTITIES O YR-2	QUANTITIES O YR-3	QUANTITIES R YR-4	QUANTITIES S YR-5
1001	[redacted] SGL LINE SET W/O MW	260100MOE20M	[redacted]			248	13	14	15	17
1002	R5 EMML SOFTWARE	301978-05				1				
1003	R5 TP/TV SOFTWARE	360061-05				1				
1004	R5 MCPR S/W RTU [redacted] CONFIG	360114-05				1				
1005	R5 MS/S FLOPPY DISK BOOT SFWE	360192-05				1				
1006	R5 PREFORMATTED BLANK DISK	360193-05				15				
1007	R5 MCPR S/W RTU [redacted] CONFIG	360221-05								
1008	R5 USER DOCUMENTATION PKG	360435-01				1				
1009	BASIC CAB PACK [redacted] TF XL/M-R5	360439-01								
1010	BASIC LTU PK FOR LTUP [redacted] M-R5	360441-01								
1011	[redacted] ANALOG MASTER PACK-R5	360443-01								
1012	BASIC CAB PACK [redacted] TF MS-R5	360449-01						1		
1013	[redacted] ANALOG MASTER PACK-R5	360447-01				1				
1014	BASIC LTU PK FOR [redacted] TUP MS-R5	360450-01				3				
1015	SYST FWDING ENHANCEMENT R5	360464-07								
1016	EXPANDED SPEED DIALING CODES R5	360464-10				1				
1017	JOINT TENANT SERVICE R5	360464-12								
1018	P TRONIC E-SUPRA 1-EAR OVERHEAD	769084-03				1		1		
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005				1		1		
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005				264	13	14	15	17
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005				151	4	4	4	6
1022	DIG TELEPHONE QUICK REF GUIDE	D110-051-005				79	2	3	3	2
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-005				14			1	
1024	LTF CABLE A-F276D1 /M	E00H [redacted] 276-E101				[redacted]				
1025	ALARM SENDER	E06E 356-B101				1				
1026	HAC ATTENDANT CONSOLE	E078-1074-B401				1		1		
1027	BUSY LAMP FLD/DIRECT STA SELEC	E078-1075-B001				1		1		
1028	MIXER TRUNK CARD	E168-3001-R460				1				
1029	4W E&M TIE TRUNK CARD	E168-3001-R990				3				
1030	NIGHT BELL/CODE CALL INTFC CD	E168-3003-R280				1				
1031	SINGLE LINE TELEPHONE CARD	E168-3003-R310				11	1	1	1	1
1032	RINGER GENERATOR CARD	E168-3003-R530				1				
1033	MODEM POOL CONTROLLER CARD	E168-3003-R560								
1034	CHARACTER TRUNK CARD	E168-3007-R430				3				
1035	OPS LINE CARD	E168-3008-R250				2				
1036	PERIPH BUS CTL CARD 4-DMA	E168-3008-R540				1				
1037	DIGITAL LINE CARD - 16 2B+D	E168-3009-R150				16		1		1
1038	CO LS/GS TK CARD A (Std 600 OHM	E168-3009-R170				11				
1039	ONE WAY DID TRUNK CARD	E168-3009-R770				2				
1040	SWITCHING NETWORK CARD B R5	E168-3015-R590				1				
1041	ATTENDANT LINE CARD R5	E168-3015-R830				1				
1042	POWER FAILURE TRANSFER CARD	E168-9300-R000				1				
1043	CABLE DUCT	E210-0042-T512#USA				1		1		
1044	ATT POWER (EH CONNECTION)	E650-2506-T662#10								
1045	E&M TRUNK/PBT CABLE	E650-2506-T662#8				5				
1046	ATT POWER (EG CONNECTION)	E650-2506-T662#9				1				
1047	CABLE, MDC-MODEM CABLE A	E650-2506-T760#5								
1048	DATA TERMINAL ADAPTER	F105-0705-K001				14		1	1	
1049	HAC DT1018 288 SPEAKERPHONE	F108-0706-B111				79	2	3	3	2
1050	STAND-ALONE DIU TO 19.2 KBPS	F128-0337-B101				151	4	4	4	6
1051	MS [redacted] GRD A [redacted] DATA D'B SW	SW009500 MN1				1				
1052	CUS [redacted] ENGRG F/S M/MS DATABASE	SW009500 MNC				1				
1053	EMML TERMINAL (IBM PC BASED)	GTIEMML				1				
1054	36-PORT TELECONFERENCING SYSTEM	TEMPO MB								
1055	SLT SPEAKERPHONE UNIT	KX-T1020				62	4	3	4	4
1056	SLT AMPLIFIED HANDSET	W-6				13	1		1	1
1057	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4				1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V				1				
1059	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V								
1060	INITIAL SPARE PARTS KIT	Not Applicable				1				
1061	OPPM - HOURLY CHARGE	Not Applicable				56	96	96	96	96
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable				228	15	18	18	19
1063	(Reserved)	(Reserved)								

SPARES KIT for ALL LOTS		BAFO
ITEM DESCRIPTION	MFR PART#	QTY PROV'D
BASIC CAB PACK [redacted]	360370-01	1
FLOPPY DISK DRIVE	E15B-0080-C002	1
HARD DISK DRIVE (40MB)	E15B-0099-C001	1
MISC CONTROL CARD	E16B-3003-R550	1
CLOCK DISTRIBUTOR CARD	E16B-3005-R350	1
DIGITAL LINE CARD	E16B-3009-R150	1
T-1 TRUNK PACK	360348-01	1
ISDN/PRI & T1 W/SYNC CD	E16B-3006-R950	1
SINGLE LINE TEL CARD	E16B-3003-R310	1
C) LS/GS BW TK CD 600 OHM	E16B-3009-R170	1
MIXER TRUNK CARD	E16B-3001-R46 .	1
DTMF CARD	E16B-3003-R710	1
TONE DETECTION CARD	E16B-3003-E017	1

SOLICITATION: RS-IRM-92-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC
SCHEDULE C - INTEREST RATES AND FACTORS DATE 08/04
COLUMN A - REGION/LOCATION = ANY REGION or LOCATION LOTS: 1-4 TIME 12:12

B LTOP TERM (In Mos.)	D MARGIN PERCENTAGE	F TREASURY CONSTANT MATURITY TERM	H* TREASURY CONSTANT MATURITY RATE	J* (D + H) LTOP INTEREST RATE	L* LTOP INTEREST FACTOR
24	8.00%	2-YEAR	4.40%	[redacted]	
36	8.00%	3-YEAR	4.98%		
48	8.00%	5-YEAR	5.91%		
60	8.00%	5-YEAR	5.91%		

* Subject to change, based upon the Federal Reserve Statistical Release G.13 for 7/7/92.
* Also, 5 year rates were used for 48 month LTOP; no 4 year G.13 rates are published.

TERMINATION LIABILITY SCHEDULE
(See next page.)

TERMINATION LIABILITY SCHEDULE

(Expressed as % of Purchase Price) BAFO

For LTOP plans, canceled at end of month:

Month Term'd	LTOP 24	LTOP 36	LTOP 48	LTOP 60
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24	0.00%			
25	0.00%			
26	0.00%			
27	0.00%			
28	0.00%			
29	0.00%			
30	0.00%			
31	0.00%			
32	0.00%			
33	0.00%			
34	0.00%	6.65%		
35	0.00%	3.35%		
36	0.00%	0.00%		
37	0.00%	0.00%		
38	0.00%	0.00%		
39	0.00%	0.00%		
40	0.00%	0.00%		
41	0.00%	0.00%		
42	0.00%	0.00%		
43	0.00%	0.00%		
44	0.00%	0.00%		
45	0.00%	0.00%		
46	0.00%	0.00%		
47	0.00%	0.00%		
48	0.00%	0.00%	0.00%	
49	0.00%	0.00%	0.00%	
50	0.00%	0.00%	0.00%	
51	0.00%	0.00%	0.00%	
52	0.00%	0.00%	0.00%	
53	0.00%	0.00%	0.00%	
54	0.00%	0.00%	0.00%	
55	0.00%	0.00%	0.00%	
56	0.00%	0.00%	0.00%	
57	0.00%	0.00%	0.00%	
58	0.00%	0.00%	0.00%	
59	0.00%	0.00%	0.00%	
60	0.00%	0.00%	0.00%	

SOLICITATION: ~~RS-IRM-92-344~~ U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC

SCHEDULE D - TARIFFED CHARGES DATE 08/04

COLUMN A - REGION/LOCATION = REGION I: King of Prussia PA LOT: 2 TIME 16:31

A	C	Y	E	G		I	K	N	O	Q
CLIN	ITEM DESCRIPTION OR NOMENCLATURE	TARIFF (LEC) REFERENCE	NONRECUR UNIT PRICE	RECUR UNIT PRICE		INCREMENTAL QTY PERIODS 01-60	13-60	25-60	37-60	49-60
4001	CO LOOP Line	BELL OF PENNSYL	$111.25	$17.65		108				152
4002	DID Line	BELL OF PENNSYL	200.00	22.40		16				24
4003	DID Station/20 Stations	BELL OF PENNSYL		4.00		11				16
4004	CO FTS2000 Access Line	BELL OF PENNSYL	111.25	17.65		13				20
4005	FX Line	BELL OF PENNSYL	111.25	81.98		2				3
4006	OUT WATTS Line	BELL OF PENNSYL	111.25	48.84						
4007	OUT WATTS Hours 0-15	BELL OF PENNSYL		14.83						
4008	OUT WATTS Hours 15.1-40	BELL OF PENNSYL		13.53						
4009	OUT WATTS Hours 40.1-80	BELL OF PENNSYL		12.28						
4010	OUT WATTS Hours 80.1-140	BELL OF PENNSYL		10.86						
4011	OUT WATTS Hours 140.1-220	BELL OF PENNSYL		9.25						
4012	OUT WATTS Hours 220.1-XXX	BELL OF PENNSYL		7.06						
4013	OPX Line	BELL OF PENNSYL	121.00	53.15		16				24
4014	OPX Type A Signaling	BELL OF PENNSYL		11.58						
4015	OPX Type B Signaling	BELL OF PENNSYL		7.05						
4016	OPX Type C Signaling	BELL OF PENNSYL		1.34						
4017	(Reserved)									
4018	(Reserved)									
4019	(Reserved)									
4020	(Reserved)									
4021	(Reserved)									
4022	(Reserved)									
4023	(Reserved)									
4024	(Reserved)									
4025	(Reserved)									

RFP's "Equipped Capacity" quantity is reflected in column "01-60".

RFP's "Projected Maximum Capacity" quantity is reflected in column "49-60".

SOLICITATION: RS-IRM-92-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC
SCHEDULE E - SERVICE CHARGES - OPTIONAL ITEMS DATE 08/04
COLUMN A - REGION/LOCATION = ANY REGION or LOCATION LOTS: 1-4 TIME 12:12

CLIN	ITEM DESCRIPTION/NOMENCLATURE	PRICE
5001	CABLE REMOVAL, PER JOB	
5002	DE-INSTALL AND PKG EXIST SYST, JOB	
5003	EQUIPMENT USER TRAINING, PER STUDENT	
5004	CONSOLE TRAINING, PER STUDENT	
5005	ALL OTHER TRAINING, PER SESSION	
5006	INITIAL SYSTEMS DRAWINGS, SET	
5007	UPDATED SYSTEMS DRAWINGS, SET	
5008	SITE VISITATION CHARGES, PER VISIT	
5009	DISCONNECTS, PER STATION	
5010	STATION MOVES WITH 100' CABLING, EA	
5011	REPROGRAMMING, PER HOUR	
5012	MISCELLANEOUS WORK, PER HOUR	
5013	SITE PREPARATION, JOB	
5014	DETAILED STATION REVIEWS, EA	
5015*	INSTALL NEW CABLES, EA	
5016*	INSTALL & MAINTAIN CABLE FOR PROP STA EQUIP, EA	
5017	MANUALS, MAINTENANCE & OPERATOR, SET	

* May already be priced in Tables A & B.

SOLICITATION: RS-IRM-92-344		BAFO	FILE:	NRC
SCHEDULE F - EQUIPMENT ROOM REQUIREMENTS			DATE:	08/04
REGION I: King of Prussia PA	LOT: 2		TIME:	12:12

ITEM DESCRIPTION OR NOMENCLATURE	Insert Total Required for Period Beginning with Month:				
	00-12	13-24	25-36	37-48	49-60
Power Consumed (KWH)	16,215	16,215	16,215	16,215	16,215
Heat Dissipated (BTUH/3413 = KWH)	16,211	16,211	16,211	16,211	16,211
Equipment Room Space (SqFt)	34.5	34.5	34.5	34.5	34.5
Power Costs @ KWH					
Space Costs @ SQFT					
Evaluated Power Cost					
Evaluated Space Cost					
Total Cost Evaluation for Power					For 60 Months
Total Cost Evaluation for Space					For 60 Months
Total Evaluated Cost	$17,516.90				For 60 Months

NOTE:
POWER CONSUMED (KWH) = Equipment KWH x 365 da/yr x 24 hr/da.
Similar formulas were utilized for BTU's; BTUH was converted/3413 to KWH.
Year to year changes were not significant; we used MAXIMUM sizes for computations.

SOLICITATION: RS-IRM-92-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC

SCHEDULE A - ITEMIZED PRICE LIST - PURCHASE, INSTALLATION AND MAINTENANCE DATE 08/04

REGION III: Glen Ellyn IL LOT 3 TIME 12:14

CLIN NO.	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	UNIT PRICE G PURCHASE	UNIT PRICE I INSTALL	UNIT PRICE K MO/MNT	QUANTITIES N YR-1	QUANTITIES O YR-2	QUANTITIES Q YR-3	QUANTITIES R YR-4	QUANTITIES S YR-5
1001	[redacted] SGL LINE SET W/O MW	260100MOE20M				209	5	10	10	10
1002	RS EMML SOFTWARE	301978-05				1				
1003	RS TP/TV SOFTWARE	360061-05				1				
1004	RS MCPR S/W RTU [redacted] CONFIG	360114-05				1				
1005	RS MS/S FLOPPY DISK BOOT SFWE	360192-05				1				
1006	RS PREFORMATTED BLANK DISK	360193-05				15				
1007	RS MCPR S/W RTU [redacted] CONFIG	360231-05								
1008	RS USER DOCUMENTATION PKG	360435-01				1				
1009	BASIC CAB [redacted] EXTF XL M-RS	360439-01								
1010	BASIC LTU PK FOR LTUP [redacted] M-RS	360441-01								
1011	[redacted] ANALOG MASTER PACK-RS	360443-01								
1012	BASIC CAB PAC [redacted] XTF MS-RS	360449-01								
1013	[redacted] ANALOG MASTER PACK-RS	360447-01								
1014	BASIC LTU PK FO [redacted] LTUP MS-RS	360450-01				1				
1015	SYST FWDING ENHANCEMENT RS	360464-07				3				
1016	EXPANDED SPEED DIALING CODES RS	360464-10								
1017	JOINT TENANT SERVICE RS	360464-12				1				
1018	P/TRONIC E-SUPRA 1-EAR OVERHEAD	269084-03								
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005				1		1		
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005				1		1		
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005				229	5	10	10	10
1022	DIG TELEPHONE QUICK REF GUIDE	D110-051-005				131				
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-005				76			1	
1024	LTS CABLE A-F27601 M	E008-0276-E101				10			1	
1025	ALARM SENDER	E068-1356-B101								
1026	HAC-ATTENDANT CONSOLE	E078-1074-B401				1				
1027	BUSY LAMP FLD/DIRECT STA SELEC	E078-1075-B001				1		1		
1028	MIXER TRUNK CARD	E168-3001-R480				1		1		
1029	4W E&M TIE TRUNK CARD	E168-3001-R890				1				
1030	NIGHT BELL/CODE CALL INTFC CD	E168-3003-R280				3				
1031	SINGLE LINE TELEPHONE CARD	E168-3003-R310				1				
1032	RINGER GENERATOR CARD	E168-3003-R530				9			1	1
1033	MODEM POOL CONTROLLER CARD	E168-3003-R560				1				
1034	CHARACTER TRUNK CARD	E168-3007-R430								
1035	OPS LINE CARD	E168-3008-R250				2				
1036	PERIPH BUS CTL CARD 4-DM6	E168-3008-R540				2				
1037	DIGITAL LINE CARD - 16 2B+D	E168-3009-R150				1				
1038	CO LS/GS TR CARD A (Std 600 OHMI	E168-3009-R170				14				
1039	ONE WAY DID TRUNK CARD	E168-3009-R770				2				
1040	SWITCHING NETWORK CARD B-RS	E168-3015-R590				2				
1041	ATTENDANT LINE CARD RS	E168-3015-R830				1				
1042	POWER FAILURE TRANSFER CARD	E168 9900-R000				1				
1043	CABLE DUCT	E210-0042-T512#USA				1				
1044	ATT POWER (EH CONNECTION)	E660-2506-T662#10								
1045	E&M TRUNK/PBT CABLE	E660-2506-T662#8								
1046	ATT POWER (EG CONNECTION)	E660-2506-T662#9				5				
1047	CABLE, MDC-MODEM CABLE A	E660-2506-T760#5				1				
1048	DATA TERMINAL ADAPTER	F108-0705-K001								
1049	HAC DT1018 28B SPEAKERPHONE	F108-0706-B111				10			1	
1050	STAND-ALONE DIU TO 19.2 KBPS	F128-0337-B101				76			1	
1051	MS/M ENGRD NET/DATA D/B SW	SW009500 MN1				131				
1052	CUST ENGRG FOR M/MS DATABASE	SW009500 MNC				1				
1053	EMML TERMINAL (IBM PC BASED)	GTIEMML				1				
1054	36-PORT TELECONFERENCING SYSTEM	TEMPO MB				1				
1055	SLT SPEAKERPHONE UNIT	KX-T1020								
1056	SLT AMPLIFIED HANDSET	W-6				53	1	2	3	2
1057	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4				11		1		1
1058	POWER SUPPLY SUBSYSTEM	PS-48V				1				
1059	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V				1				
1060	INITIAL SPARE PARTS KIT	Not Applicable								
1061	OPPM - HOURLY CHARGE	Not Applicable				1				
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable						48	96	96
1063	(Reserved)	(Reserved)				298	5	11	11	10

SOLICITATION: RS-IRM-92-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC
SCHEDULE B - ITEMIZED PRICE LIST - LTOP-48, INSTALLATION AND MAINTENANCE DATE 08/04
REGION III: Glen Ellyn IL LOT 3 TIME 12:15

CLIN NO	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	UNIT PRICE G LTOP-48	UNIT PRICE I INSTALL	UNIT PRICE K MO/MNT	QUANTITIES N YR-1	QUANTITIES O YR-2	QUANTITIES Q YR-3	QUANTITIES R YR-4	QUANTITIES S YR-5
1001	[redacted] SGL LINE SET W/O MW	260100MOE20M				209	5	10	10	10
1002	RS EMML SOFTWARE	301976-05				1				
1003	RS TP/TV SOFTWARE	350061-05				1				
1004	RS MCPR S/W RTU [redacted] CONFIG	360114-05				1				
1005	RS MS/S FLOPPY DISK BOOT SFWE	360192-05				15				
1006	RS PREFORMATTED BLANK DISK	360193-05								
1007	RS MCPR S/W RTU [redacted] CONFIG	360231-05				1				
1008	RS USER DOCUMENTATION PKG	360435-01								
1009	BASIC CAB PACK [redacted] XTF XL/M-RS	360439-01								
1010	BASIC LTU PK FOR LTU [redacted] M-RS	360441-01								
1011	[redacted] ANALOG MASTER PACK-RS	360443-01								
1012	BASIC CAB PACK [redacted] XTF MS-RS	360449-01								
1013	[redacted] ANALOG MASTER PACK-RS	360447-01				1				
1014	BASIC LTU PK FOR [redacted] LTUP MS-RS	360450-01				3				
1015	SYST FWDING ENHANCEMENT RS	360464-07								
1016	EXPANDED SPEED DIALING CODES RS	360464-10				1				
1017	JOINT TENANT SERVICE RS	360464-12								
1018	PITRONIC E SUPRA 1-EAR OVER/HEAD	769084-03				1		1		
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-00S				1		1		
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-00S				225	5	10	10	10
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-00S				131				
1022	DIG TELEPHONE QUICK REF GUIDE	D110-051-00S				76			1	
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-00S				10			1	
1024	LTE CABLE A-F27621 /M	E008-0276-E10								
1025	ALARM SENDER	E068-1356-B10				1				
1026	HAC ATTENDANT CONSOLE	E078-1074-B40				1		1		
1027	BUSY LAMP FLD/DIRECT STA SELEC	E078-1075-B00				1		1		
1028	MIXER TRUNK CARD	E168-3001-R46C				1				
1029	4W E&M TIE TRUNK CARD	E168-3001-R99C				3				
1030	NIGHT BELL/CODE CALL INTFC CC	E168-3003-R28C				1				
1031	SINGLE LINE TELEPHONE CARD	E168-3003-R31C				9			1	1
1032	RINGER GENERATOR CARD	E168-3003-R53C				1				
1033	MODEM POOL CONTROLLER CARD	E168-3003-R66C								
1034	CHARACTER TRUNK CARD	E168-3007-R42C				2				
1035	QPS LINE CARD	E168-3008-R25C				2				
1036	PERIPH BUS CTL CARD 4 DMA	E168-3008-R54C				1				
1037	DIGITAL LINE CARD - 16 2B+D	E168-3009-R15C				14				
1038	CO LS/GS TK CARD A (SIN 600 OHM)	E168-3009-R17C				2				
1039	ONE WAY DID TRUNK CARD	E168-3009-R77C				3				
1040	SWITCHING NETWORK CARD B RS	E168-3015-R59C				1				
1041	ATTENDANT LINE CARD RS	E168-3015-RB3C				1				
1042	POWER FAILURE TRANSFER CARD	E168-9900-R00C				1				
1043	CABLE DUCT	E210-0042-TS12#USA				1				
1044	ATT POWER (EH CONNECTION)	E660-2506-T662#10								
1045	E&M T-UNK/PBT CABLE	E660-2506-T662#5				5				
1046	ATT POWER (FG CONNECTION)	E660-2506-T662#6				1				
1047	CABLE, MDC-MODEM CABLE A	E660-2506-T760#5								
1048	DATA TERMINAL ADAPTER	F108-0705-K00				10			1	
1049	HAC DT101B 288 SPKRPHONE	F108-0705-B111				76			1	
1050	STAND-ALONE DIU T1 19.2 KBPS	F128-0337-B10				131				
1051	MS/M ENGRD NET/DATA D/P SW	SW009600 MN				1				
1052	CUST ENGRG FOR M/MS DATABASE	SW009600 MA				1				
1053	EMML TERMINAL (IBM PC BASED)	GTIEMML				1				
1054	36-PORT TELECONFERENCING SYSTEM	TEMPO MB								
1055	SLT SPEAKERPHONE UNIT	KX-T1020				53	1	2	3	2
1056	SLT AMPLIFIED HANDSET	W-6				11		1		1
1057	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4				1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V				1				
1059	UNIVERSAL PS BATT BACKUP SUBSYST	UPS-48V								
1060	INITIAL SPARE PARTS KIT	Not Applicable				1				
1061	OPPM - HOURLY CHARGE	Not Applicable						48	96	96
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable				286	5	11	11	10
1063	(Reserved)	(Reserved)								

SOLICITATION: RS-IRM-92-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC
SCHEDULE B - ITEMIZED PRICE LIST - LTOP-60 INSTALLATION AND MAINTENANCE DATE 08/04
REGION III: Glen Ellyn IL LOT 3 TIME 12:16

CLIN NO	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	UNIT PRICE G LTOP-60	UNIT PRICE I INSTALL	UNIT PRICE K MO/MNT	QUANTITIES N YR-1	QUANTITIES O YR-2	QUANTITIES Q YR-3	QUANTITIES R YR-4	QUANTITIES S YR-5
1001	[redacted] SGL LINE SET W/O MW	260100MOE20M				209	5	10	10	10
1002	RS EMML SOFTWARE	301976-05				1				
1003	[redacted] TP/TV SOFTWARE	[redacted]80061-05				1				
1004	RS MCPR S/W RTU [redacted] CONFIG	360114-05				1				
1005	RS MS/S FLOPPY DISK BOOT SFWE	360192-05				1				
1006	RS PREFORMATTED BLANK DISK	360183-05				15				
1007	RS MCPR S/W RTU [redacted] CONFIG	360231-05								
1008	RS USER DOCUMENTATION PKG	360435-01				1				
1009	BASIC CAB PACK [redacted] TF XL/M-RS	360439-01								
1010	BASIC LTU PK FOR LTUP [redacted] M-RS	360441-01								
1011	[redacted] ANALOG MASTER PACK-RS	360443-01								
1012	BASIC CAB PACK [redacted] XTF MS-RS	360449-01								
1013	[redacted] ANALOG MASTER PACK-RS	360447-01				1				
1014	[redacted] SIC LTU PK FOR [redacted] TUP MS-RS	360450-01				3				
1015	[redacted] ST FWDING ENHANCEMENT RS	360454-07								
1016	EXPANDED SPEED [redacted] IALING CODES RS	360464-10				1				
101[redacted]	JOINT TENANT SERVICE RS	360464-12								
1018	P/TRONIC E-SUPRA 1-EAR OVER/HEAD	769084-03				1		1		
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005				1		1		
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005				225	5	10	10	10
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005				131				
1022	DIG TELEPHONE QUICK REF GUIDE	D110-051-005				76			1	
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-005				10			1	
1024	LTE CABLE A-F276D1 /M	E009-0276-E101								
1025	ALAR[redacted] SENDER	E05[redacted]-1356-B101				17				
1026	HAC-[redacted] TTENDANT CONSOLE	E07B-1074-B401				1		1		
1027	BUSY LAMP FLD/DIRECT STA SELEC	E07B-1075-B001				1		[redacted]		
1028	MIXER TRUNK CARD	E16B-3001-R460				1				
1029	4W E&M TIE TRUNK CARD	E16B-3001-R990				3				
1030	NIGHT BELL/CODE CALL INTFC CD	E16B-3003-R280				1				
1031	SINGLE LINE TELEPHONE CARD	E16B-3003-R310				9			1	1
1032	RINGER GENERATOR CARD	E16B-3003-R530				1				
1033	MODEM POOL CONTROLLER CARD	E16B-3003-R560								
1034	CHARACTER TRUNK CARD	E16B-3007-R430				2				
1035	DPS LINE CARD	E16B-3008-R250				2				
1036	PERIPH BUS CTL CARD 4-DMA	E16B-3008-R540				1				
1037	DIGITAL LINE CARD - 1E 2B+D	E16B-3009-R150				14				
1038	CO LS/GS TK CARD A[redacted] 600 OHM	E[redacted]B-3009-R170				2				
1039	ONE WAY DID TRUNK C[redacted]RD	E16[redacted]-3009-R770				2				
1040	SWITCHING NETWORK CARD B RS	E16B-3015-R590				1				
1041	ATTENDANT LINE CARD RS	E16B-3015-R830				1				
1042	POWER FAILURE TRANSFER CARD	E16B-8900-R000				1				
1043	CABLE DUCT	[redacted]210-0042-T512BUSA				1				
1044	ATT POWER (EH CONNECTION)	[redacted]660-2506-T662B10								
1045	E&M TRUNK/PBT CABLE	E660-2506-T662B[redacted]				5				
1046	ATT POWER (EG CONNECTION)	E660-2506-T662B9				1				
1047	CABLE, MDC-MODEM CABLE A	E660-2506-T760B5								
1048	DATA TERMINAL ADAPTER	F105-0705-K001				10			1	
1049	HAC DT101B 28B SPEAKERPHONE	F108-0706-B11[redacted]				76			1	
1050	STAND-ALONE DIU TO 19.2 KBPS	F128-0337-B101				131				
1051	MS/M ENGRD NET/DATA D/B SW	SW009600 MN1				1				
1052	CUST ENGRG FOR M/MS DATABASE	SW009600 MNC				1				
1053	EMML TERMINAL (IBM PC BASED)	GTIEMML				1				
1054	36-PORT TELECONFERENCING SYSTEM	TEMPO M8								
1055	SLT SPEAKERPHONE UNIT	KX-T1020				53	1	2	3	2
1056	SLT AMPLIFIED HANDSET	W-6				11		1		1
1057	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4				1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V				1				
1059	UNIVERSAL PS BATT BACKUP SUBSYST	UPS-48V								
1060	INITIAL SPARE PARTS KIT	Not Applicable				1				
1061	OPPM - HOURLY CHARGE	Not Applicable						48	96	96
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable				288	5	11	11	10
1063	(Reserved)	(Reserved)								

USE OR DISCLOSURE OF PROPOSAL DATA IS SUBJECT TO THE RESTRICTIONS OF THE TITLE PAGE OF THIS PROPOSAL.

SPARES KIT for ALL LOTS		BAFO
ITEM DESCRIPTION	MFR PART#	QTY PROV'D
BASIC CAB PACK [redacted]	360370-01	1
FLOPPY DISK DRIVE	E15B-0080-C002	1
HARD DISK DRIVE (40MB)	E15B-0099-C001	1
MISC CONTROL CARD	E16B-3003-R550	1
CLOCK DISTRIBUTOR CARD	E16B-3005-R350	1
DIGITAL LINE CARD	E16B-3009-R150	1
T-1 TRUNK PACK	360348-01	1
ISDN/PRI & T1 W/SYNC CD	E16B-3006-R950	1
SINGLE LINE TEL CARD	E16B-3003-R310	1
CC LS/GS BW TK CD 600 OHM	E16B-3009-R170	1
MIXER TRUNK CARD	E16B-3001-R460	1
DTMF CARD	E16B-3003-R710	1
TONE DETECTION CARD	E16B-3003-E017	1

TERMINATION LIABILITY SCHEDULE

(Expressed as % of Purchase Price) BAFO

For LTOP plans, canceled at end of month:

Month Term'd	LTOP 24	LTOP 36	LTOP 48	LTOP 60
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24	0.00%			
25	0.00%			
26	0.00%			
27	0.00%			
28	0.00%			
29	0.00%			
30	0.00%			
31	0.00%			
32	0.00%			
33	0.00%			
34	0.00%			
35	0.00%			
36	0.00%	0.00%		
37	0.00%	0.00%		
38	0.00%	0.00%		
39	0.00%	0.00%		
40	0.00%	0.00%		
41	0.00%	0.00%		
42	0.00%	0.00%		
43	0.00%	0.00%		
44	0.00%	0.00%		
45	0.00%	0.00%		
46	0.00%	0.00%		
47	0.00%	0.00%		
48	0.00%	0.00%	0.00%	
49	0.00%	0.00%	0.00%	
50	0.00%	0.00%	0.00%	
51	0.00%	0.00%	0.00%	
52	0.00%	0.00%	0.00%	
53	0.00%	0.00%	0.00%	
54	0.00%	0.00%	0.00%	
55	0.00%	0.00%	0.00%	
56	0.00%	0.00%	0.00%	
57	0.00%	0.00%	0.00%	
58	0.00%	0.00%	0.00%	
59	0.00%	0.00%	0.00%	
60	0.00%	0.00%	0.00%	

SOLICITATION: RS-IRM-92-[illegible] U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC

SCHEDULE E - SERVICE CHARGES - OPTIONAL ITEMS DATE 08/ON

COLUMN A - REGION/LOCATION = ANY REGION or LOCATION LOTS: 1-4 TIME 12:16

CLIN	ITEM DESCRIPTION/NOMENCLATURE	PRICE
5001	CABLE REMOVAL, PER JOB	
5002	DE-INSTALL AND PKG EXIST SYST, JOB	
5003	EQUIPMENT USER TRAINING, PER STUDENT	
5004	CONSOLE TRAINING, PER STUDENT	
5005	ALL OTHER TRAINING, PER SESSION	
5006	INITIAL SYSTEMS DRAWINGS, SET	
5007	UPDATED SYSTEMS DRAWINGS, SET	
5008	SITE VISITATION CHARGES, PER VISIT	
5009	DISCONNECTS, PER STATION	
5010	STATION MOVES WITH 100' CABLING, EA	
5011	REPROGRAMMING, PER HOUR	
5012	MISCELLANEOUS WORK, PER HOUR	
5013	SITE PREPARATION, JOB	
5014	DETAILED STATION REVIEWS, EA	
5015*	INSTALL NEW CABLES, EA	
5016*	INSTALL & MAINTAIN CABLE FOR PROP STA EQUIP, EA	
5017	MANUALS, MAINTENANCE & OPERATOR, SET	

* May already be priced in Tables A & B.

SOLICITATION: RS-IRM-92-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC

SCHEDULE A - ITEMIZED PRICE LIST - PURCHASE, INSTALLATION AND MAINTENANCE DATE 08/04

REGION V- Walnut Creek CA LOT 4 TIME 12:18

CLIN NO.	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	UNIT PRICE G PURCHASE	UNIT PRICE I INSTALL	UNIT PRICE K MO/MNT	QUANTITIES N YR-1	QUANTITIES O YR-2	QUANTITIES Q YR-3	QUANTITIES R YR-4	QUANTITIES S YR-5
1001	[redacted] SGL LINE SET W/O MW	260100MOE20M				110	6	6	6	8
1002	R5 EMML SOFTWARE	301976-05				1				
1003	R5 TP/TV SOFTWARE	360061-05				1				
1004	R5 MCPR S/W RTU [redacted] CONFIG	360114-05				1				
1005	R5 MS/S FLOPPY DISK BOOT SFWE	360192-05				1				
1006	R5 PREFORMATTED BLANK DISK	360193-05				15				
1007	R5 MCPR S/W RTU [redacted] CONFIG	360231-05								
1008	R5 USER DOCUMENTATION PKG	360435-01				1				
1009	BASIC CAB PACK [redacted] XL/M-R5	360439-01								
1010	BASIC LTU PK FOR LTU [redacted] M-R5	360441-01								
1011	[redacted] ANALOG MASTER PACK-R5	360443-01								
1012	BASIC CAB PACK [redacted] MS-R5	360449-01								
1013	[redacted] ANALOG MASTER PACK-R5	360447-01				1				
1014	BASIC LTU PK FOR [redacted] UP MS-R5	360450-01				3				
1015	SYST FWDING ENHANCEMENT R5	360464-07								
1016	EXPANDED SPEED DIALING CODES R5	360464-10				1				
1017	JOINT TENANT SERVICE R5	360464-12								
1018	P/TRONIC E-SUPRA 1-EAR OVER/HEAD	769084-03				2				
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005				2				
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005				229	6	6	6	8
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005				105	1	1	1	2
1022	DIG TELEPHONE QUICK REF GUIDE	D110-051-005				45	3	2	3	2
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-005				4	1		1	
1024	LTF CABLE A-F276D1 /M	E008-0276-E101								
1025	ALARM SENDER	E068-1356-B101				1				
1026	HAC-ATTENDANT CONSOLE	E078-1074-B401				2				
1027	BUSY LAMP FLD/DIRECT STA SELEC	E078-1075-B001				2				
1028	MIXER TRUNK CARD	E168-3001-R450								
1029	4W E&M TIE TRUNK CARD	E168-3001-R990				3				
1030	NIGHT BELL/CODE CALL INTFC CD	E168-3003-R280				1				
1031	SINGLE LINE TELEPHONE CARD	E168-3003-R310				2	1			1
1032	RINGER GENERATOR CARD	E168-3003-R530				1				
1033	MODEM POOL CONTROLLER CARD	E168-3003-R560								
1034	CHARACTER TRUNK CARD	E168-3007-R430				2				
1035	OPS LINE CARD	E168-3008-R250				15				
1036	PERIPH BUS CTL CARD 4-DMA	E168-3008-R540				1				
1037	DIGITAL LINE CARD - 16 2B+D	E168-3009-R150				11				
1038	CO I/S/GS TX CARD A (Std 600 OHM)	E168-3009-R170				3				
1039	2NE WAY DID TRUNK CARD	E168-3009-R770				2				
1040	SWITCHING NETWORK CARD B R5	E168-3015-R590				1				
1041	ATTENDANT LINE CARD R5	E168-3015-R830				1				
1042	POWER FAILURE TRANSFER CARD	E168-9900-R000				1				
1043	CABLE DUCT	E210-0042-T512#USA				1				
1044	ATT POWER (FH CONNECTION)	E660-2506-T662#10								
1045	E&M TRUNK/PFT CABLE	E660-2506-T662#8				5				
1046	ATT POWER (EG CONNECTION)	E660-2506-T662#9				1				
1047	CABLE, MDC-MODEM CABLE A	E660-2506-T760#5								
1048	DATA TERMINAL ADAPTER	F108-0705-K001				4	1		1	
1049	HAC DT101B 2BB SPEAKERPHONE	F108-0706-B111				45	3	2	3	2
1050	STAND-ALONE DIU TO 19.2 KBPS	F128-0337-B101				105	1	1	1	2
1051	MS/M ENGRD NET/DATA D/B SW	SW009500 MN1				1				
1052	CUST ENGRG FOR M/MS DATABASE	SW009500 MNC				1				
1053	EMML TERMINAL (IBM PC BASED)	GTIEMML				1				
1054	36-PORT TELECONFERENCING SYSTEM	TEMPO MB				11				
1055	SLT SPEAKERPHONE UNIT	KX-T1020				28	1	2	1	2
1056	SLT AMPLIFIED HANDSET	W-F				6		1		
1057	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4				1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V				1				
1059	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V								
1060	INITIAL SPARE PARTS KIT	Not Applicable				1				
1061	OPPM - HOURLY CHARGE	Not Applicable				56	96	96	96	96
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable				156	9	8	10	10
1063	(Reserved)	(Reserved)								

USE OR DISCLOSURE OF PROPOSAL DATA IS SUBJECT TO THE RESTRICTIONS OF THE TITLE PAGE OF THIS PROPOSAL.

SOLICITATION: RS-IRM-92-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC

SCHEDULE B - ITEMIZED PRICE LIST - LTOP-24, INSTALLATION AND MAINTENANCE DATE 08/04

REGION V Walnut Creek CA LOT 4 TIME 12:19

CLIN NO	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	UNIT PRICE G LTOP-24	UNIT PRICE I INSTALL	UNIT PRICE K MO/MNT	QUANTITIES N YR-1	QUANTITIES O YR-2	QUANTITIES Q YR-3	QUANTITIES R YR-4	QUANTITIES S YR-5
1001	[redacted] SGL LINE SET W/O MW	260100MOE20M				110	6	6	6	8
1002	R5 EMML SOFTWARE	301976-05				1				
1003	R5 TP/TV SOFTWARE	360061-05				1				
1004	R5 MCPR S/W RTU [redacted] CONFIG	360114-05				1				
1005	R5 MS/S FLOPPY 5¼ BOOT SFWE	360192-05				15				
1006	R5 PREFORMATTED BLANK DISK	360193-05								
1007	R5 MCPR S/W RTU [redacted] CONFIG	360231-05				1				
1008	R5 USER DOCUMENTATION PKG	360435-01								
1009	BASIC CAB PA[redacted] TF XL/M-R5	360439-01								
1010	BASIC LTU PK FOR LTUP [redacted] M-R5	360441-01								
1011	[redacted] ANALOG MASTER PACK R5	360443-01								
1012	BASIC CAB PACK [redacted] EXTF MS-R5	360449-01								
1013	[redacted] ANALOG MASTER PACK-R5	360447-01				1				
1014	BASIC LTU PK FOR [redacted] TUP MS-R5	360450-01				3				
1015	SYST FWDING ENHANCEMENT R5	360464-07								
1016	EXPANDED SPEED DIALING CODES R5	360464-10				1				
1017	JOINT TENANT SERVICE R5	360464-12								
1018	P/TRONIC E-SUPRA 1-EAR OVER/HEAD	769084-03				2				
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005				2				
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005				229	6	6	6	8
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005				105	1	1	1	2
1022	DIG TELEPHONE QUICK REF GUIDE	D110-051-005				45	3	2	3	2
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-005				4	1		1	
1024	LTF CABLE A-F276D1 /M	E008-0276-E101								
1025	ALARM SENDER	E068-1356-B101				1				
1026	HAC-ATTENDANT CONSOLE	E078-1074-B401				2				
1027	BUSY LAMP FLD/DIRECT STA SELEC	E078-1075-B001				2				
1028	MIXER TRUNK CARD	E168-3001-R460								
1029	4W E&M TIE TRUNK CARD	E168-3001-R990				3				
1030	NIGHT BELL CODE CALL INTFC CD	E168-3003-R280				1				
1031	SINGLE LINE TELEPHONE CARD	E168-300[redacted]-R310				2	1			1
1032	RINGER GENERATOR CARD	E168-3003-R530				1				
1033	MODEM POOL CONTROLLER CARD	E168-3003-R560								
1034	CHARACTER TRUNK CARD	E168-3007-R430				2				
1035	OPS LINE CARD	E168-3008-R250				15				
1036	PERIPH BUS CTL CARD 4-DMA	E168-3008-R540				1				
1037	DIGITAL LINE CARD - 16 2B+D	E168-3009-R150				11				
1038	CO LS/GS TK CARD A (Std 600 OHM)	E168-3009-R170				3				
1039	ONE WAY DID TRUNK CARD	E168-3009-R770				2				
1040	SWITCHING NETWORK CARD B R5	E168-3015-R590				1				
1041	ATTENDANT LINE CARD R5	E168-3015-RB30				1				
1042	POWER FAILURE TRANSFER CARD	E168-9900-R000				1				
1043	CABLE DUCT	E210-0042-T512#USA				1				
1044	ATT POWER (EH CONNECTION)	E660-2506-T662#10								
1045	E&M TRUNK/PBT CABLE	E660-2506-T662#8				5				
1046	ATT POWER (EG CONNECTION)	E660-2506-T662#9				1				
1047	CABLE, MDC-MODEM CABLE A	E660-2506-T760#5								
1048	DATA TERMINAL ADAPTER	F108-0705-K001				4	1		1	
1049	HAC DT101B 288 SPEAKERPHONE	F108-0706-B111				45	3	2	3	2
1050	STAND-ALONE DIU TO 19.2 KBPS	F128-0337-B101				105	1	1	1	2
1051	MS/M ENGRD NET/DATA D/B SW	SW009600 MN1				1				
1052	CUST ENGRG FOR M/MS DATABASE	SW009600 MNC				1				
1053	EMML TERMINAL (IBM PC BASED)	GTIEMML				1				
1054	36-PORT TELECONFERENCING SYSTEM	TEMPO MB								
1055	SLT SPEAKERPHONE UNIT	KX-T1020				28	1	2	1	2
1056	SLT AMPLIFIED HANDSET	W-6				6		1		
1057	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4				1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V				1				
1059	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V								
1060	INITIAL SPARE PARTS KIT	Not Applicable				1				
1061	OPPM - HOURLY CHARGE	Not Applicable				56	96	96	96	96
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable				156	9	8	10	10
1063	(Reserved)	(Reserved)								

SOLICITATION: RS-IRM-92-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC

SCHEDULE B - ITEMIZED PRICE LIST - LTOP-36, INSTALLATION AND MAINTENANCE DATE 08/04

REGION V Walnut Creek CA LOT 4 TIME 12:19

CLIN NO.	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	UNIT PRICE G LTOP-36	UNIT PRICE I INSTALL	UNIT PRICE K MO/MNT	QUANTITIES N YR-1	QUANTITIES O YR-2	QUANTITIES Q YR-3	QUANTITIES R YR-4	QUANTITIES S YR-5
1001	[redacted] SGL LINE SET W/O MW	260100MOE20M	[redacted]			110	6	6	6	8
1002	R5 EMML SOFTWARE	301976-05				1				
1003	R5 TP/TV SOFTWARE	350961-05				1				
1004	R5 MCPR S/W RTU [redacted] CONFIG	360114-05				1				
1005	R5 MS/S FLOPPY DISK BOOT SFWE	360192-05				1				
1006	R5 PREFORMATTED BLANK DISK	360193-05				16				
1007	R5 MCPR S/W RTU [redacted] CONFIG	360231-05								
1008	R5 USER DOCUMENTATION PKG	360435-01				1				
1009	BASIC CAB PACK [redacted] F XL/M-R5	360439-01								
1010	BASIC LTU PK FOR LTUS [redacted] /M-R5	360441-01								
1011	[redacted] ANALOG MASTER PACK-R5	360443-01								
1012	BASIC CAB PACK [redacted] TF MS-R5	360449-01								
1013	[redacted] ANALOG MASTER PACK-R5	360447-01				1				
1014	BASIC LTU PK FOR [redacted] UF MS-R5	360450-01				3				
1015	SYST FWDING ENHANCEMENT R5	360454-07								
1016	EXPANDED SPEED DIALING CODES R5	360464-10				1				
1017	JOINT TENANT SERVICE R5	360464-12								
1018	P/TRONIC E-SUPRA 1-EAR OVERHEAD	769084-03				2				
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005				2				
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005				229	6	6	6	8
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005				105	1	1	1	2
1022	DIG TELEPHONE QUICK REF GUIDE	D110-051-005				45	3	2	3	2
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-005				4	1		1	
1024	LTF CABLE A-F276D1 /M	E005-0276-E101								
1025	ALARM SENDER	E058-1356-B101				1				
1026	HAC ATTENDANT CONSOLE	E078-1074-B401				2				
1027	BUSY LAMP FLD/DIRECT STA SELEC	E078-1075-B001				2				
1028	MIXER TRUNK CARD	E168-3001-R460								
1029	4W E&M TIE TRUNK CARD	E168-3001-R990				3				
1030	NIGHT BELL/CODE CALL INTFC CD	E168-3003-R280				1				
1031	SINGLE LINE TELEPHONE CARD	E168-3003-R310				2	1			1
1032	RINGER GENERATOR CARD	E168-3003-R530				1				
1033	MODEM POOL CONTROLLER CARD	E168-3003-R560								
1034	CHARACTER TRUNK CARD	E168-3007-R430				2				
1035	OPS LINE CARD	E168-3008-R250				15				
1036	PERIPH BUS CTL CARD 4-DMA	E168-3008-R540				1				
1037	DIGITAL LINE CARD - 16 2B + D	E168-3009-R150				11				
1038	CO LS/GS TK CARD A (Std 600 OHM)	E168-3009-R170				3				
1039	ONE WAY DID TRUNK CARD	E168-3009-R770				2				
1040	SWITCHING NETWORK CARD B R5	E168-3015-R590				1				
1041	ATTENDANT LINE CARD R5	E168-3015-RB30				1				
1042	POWER FAILURE TRANSFER CARD	E168-9900-R000				1				
1043	CABLE DUCT	E210-0042-T512#USA				1				
1044	ATT POWER (EH CONNECTION)	E660-2506-T662#10								
1045	E&M TRUNK/PFT CABLE	E660-2506-T662#8				5				
1046	ATT POWER (EG CONNECTION)	E660-2506-T662#9				1				
1047	CABLE, MDC-MODEM CABLE A	E660-2506-T760#5								
1048	DATA TERMINAL ADAPTER	F108-0705-K001				4	1		1	
1049	HAC DT101B 28B SPEAKERPHONE	F108-0706-B111				45	3	2	3	2
1050	STAND-ALONE DIU TO 19.2 KBPS	F128-0337-B101				105	1	1	1	2
1051	MS/M ENGRD NET/DATA D/B SW	SW009500 MN1				1				
1052	CUST ENGRG FOR M/MS DATABASE	SW009500 MNC				1				
1053	EMML TERMINAL (IBM PC BASED)	GTIEMML				1				
1054	36-PORT TELECONFERENCING SYSTEM	TEMPO MB								
1055	SLT SPEAKERPHONE UNIT	KX-T1020				28	1	2	1	2
1056	SLT AMPLIFIED HANDSET	W-6				6		1		
1057	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4				1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V				1				
1059	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V								
1060	INITIAL SPARE PARTS KIT	Not Applicable				1				
1061	OPPM - HOURLY CHARGE	Not Applicable				56	96	96	96	96
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable				156	9	8	9	10
1063	(Reserved)	(Reserved)								

SOLICITATION: RS-IRM-92-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC

SCHEDULE B - ITEMIZED PRICE LIST - LTOP-48, INSTALLATION AND MAINTENANCE DATE 08/04

REGION V: Walnut Creek CA LOT 4 TIME 12:30

CLIN NO.	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	UNIT PRICE G LTOP-48	UNIT PRICE I INSTALL	UNIT PRICE K MO/MNT	QUANTITIES N YR-1	QUANTITIES O YR-2	QUANTITIES Q YR-3	QUANTITIES R YR-4	QUANTITIES S YR-5
1001	[redacted] SGL LINE SET W/O MW	260100MOE20M	[redacted]			110	6	6	6	8
1002	R5 EMML SOFTWARE	301976-05				1				
1003	R5 TP/TY SOFTWARE	360061-05				1				
1004	R5 MCPR S/W RTI [redacted] CONFIG	360114-05				1				
1005	R5 MS/S FLOPPY DISK BOOT SFWE	360192-05				1				
1006	R5 PREFORMATTED BLANK DISK	360193-05				15				
1007	R5 MCPR S/W RTI [redacted] CONFIG	360221-05								
100E	R5 USER DOCUM[redacted]TATION PKG	360435-01				1				
1009	BASIC CAB PAC[redacted]F XLA-R5	360439-01								
1010	BASIC LTU PK F[redacted] LTUP[redacted]M-R5	360441-01								
1011	[redacted] ANALOG MASTER PACK-R5	360443-01								
1012	BASIC CAB PAC[redacted]F MS R5	360449-01								
1013	[redacted] ANALOG MASTER PACK-R5	360447-01				1				
1014	BASIC LTU PK F[redacted]UP MS-R5	360450-01				3				
1015	SYST FWDING ENHANCEMENT R5	360454-07								
1016	EXPANDED SPEED DIALING CODES R5	360464-10				1				
1017	JOINT TENANT SERVICE R5	360464-12								
1018	P/TRONIC E-SUPRA 1-EAR OVERHEAD	769084-03				2				
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005				2				
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005				229	6	6	6	8
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005				105	1	1	1	2
1022	DIG TELEPHONE QUICK REF GUIDE	D110-051-005				45	3	2	3	2
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-005				4	1		1	
1024	LTF CABLE A-F276D1 /M	E005-0276-E101								
1025	ALARM SENDER	E06B-1356-B101				1				
1026	HAC ATTENDANT CONSOLE	E07B-1074-B401				2				
1027	BUSY LAMP FLD DIRECT STA SELEC	E07B-1075-B001				2				
1028	MIXER TRUNK CARD	E16B-3001-R460								
1029	4W E&M TIE TRUNK CARD	E16B-3001-R990				3				
1030	NIGHT BELL/CODE CALL INTFC CD	E16B-3003-R280				1				
1031	SINGLE LINE TELEPHONE CARD	E16B-3003-R310				2	1			1
1032	RINGER GENERATOR CARD	E16B-3003-R530				1				
1033	MODEM POOL CONTROLLER CARD	E16B-3003-R560								
1034	CHARACTER TRUNK CARD	E16B-3007-R430				2				
1035	DPS LINE CARD	E16B-3008-R250				15				
1036	PERIPH BUS CTL CARD 4-DMA	E16B-3008-R540				1				
1037	DIGITAL LINE CARD - 16 2B+D	E16B-3009-R150				11				
1038	CO LS/GS TX CARD A (Std 600 OHM)	E16B-3009-R170				3				
1039	ONE WAY DID TRUNK CARD	E16B-3009-R770				2				
1040	SWITCHING NETWORK CARD E R5	E16B-3015-R59C				1				
1041	ATTENDANT LINE CARD R5	E16B-3015-R830				1				
1042	POWER FAILURE TRANSFER CARD	E16B-9300-R000				1				
1043	CABLE DUCT	E210-0042-T512/USA								
1044	ATT POWER (EH CONNECTION)	E660-2506-T662#10								
1045	E&M TRUNK/PBT CABLE	E660-2506-T662#8				5				
1046	ATT POWER (EG CONNECTION)	E660-2506-T662#9				1				
1047	CABLE, MDC-MODEM CABLE A	E660-2506-T760#5								
1048	DATA TERMINAL ADAPTER	E10B-0705-K001				4	1		1	
1049	HAC DT101B 26B SPEAKERPHONE	E10B-0706-B111				45	3	2	3	2
1050	STAND-ALONE DIU TO 19.2 KBPS	E12B-0337-B101				105	1	1	1	2
1051	MS/M ENGRD NET/DATA D/B SW	SW0009600 MN1				1				
1052	CUST ENGRG FOR M/MS DATABASE	SW0009600 MNC				1				
1053	EMML TERMINAL (IBM PC BASE)	GTIEMML				1				
1054	36-PORT TELECONFERENCING SYSTEM	TEMPO MB								
1055	SLT SPEAKERPHONE UNIT	KX-T1020				28	1	2	1	2
1056	SLT AMPLIFIED HANDSET	W-6				6		1		
1057	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4				1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V				1				
1059	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V								
1060	INITIAL SPARE PARTS KIT	Not Applicable				1				
1061	OPPM - HOURLY CHARGE	Not Applicable				56	96	96	96	96
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable				156	9	6	10	10
1063	(Reserved)	(Reserved)								

SOLICITATION: RS-IRM-92-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC

SCHEDULE B - ITEMIZED PRICE LIST - LTOP-60, INSTALLATION AND MAINTENANCE DATE 08/04

REGION V: Walnut Creek CA LOT 4 TIME 12:20

CLIN NO	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	UNIT PRICE G LTOP-60	UNIT PRICE I INSTALL	UNIT PRICE K MO/MNT	QUANTITIES N YR-1	QUANTITIES O YR-2	QUANTITIES Q YR-3	QUANTITIES R YR-4	QUANTITIES S YR-5
1001	[redacted] SGL LINE SET W/O MW	260100MOE20M				110	5	6	6	8
1002	RS EMML SOFTWARE	321976-05				1				
1003	RS TP/TV SOFTWARE	3[illegible]081-05				1				
1004	RS MCPR S/W RTU [redacted] CONFIG	3[illegible]114-05				1				
1005	RS MS/S FLOPPY DISK BOOT SFWE	360192-05				1				
1006	RS PREFORMATTED BLANK DISK	360193-05				15				
1007	RS MCPR S/W RTU [redacted] CONFIG	360231-05								
1008	RS USER DOCUMENTATION PKG	360435-01				1				
1009	BASIC CAB PACK [redacted] TF XL/M-RS	360439-01								
1010	BASIC LTU PK FOR LTUP [redacted] M-RS	360441-01								
1011	[redacted] ANALOG MASTER PACK-RS	360443-01								
1012	BASIC CAB PACK [redacted] TF MS-RS	360449-01								
1013	[redacted] ANALOG MASTER PACK-RS	360447-01				1				
1014	BASIC LTU PK FOR [redacted] UP MS-RS	360450-01				3				
1015	SYST FWDING ENHANCEMENT RS	360464-07								
1016	EXPANDED SPEED DIALING CODES RS	360464-10				1				
1017	JOINT TENANT SERVICE RS	360464-12								
1018	PYTRONIC E SUPRA 1-EAR OVER HEAD	769084-03				2				
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005				2				
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005				229	6	6	6	8
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005				105	1	1	1	2
1022	DIG TELEPHONE QUICK REF GUIDE	D110-051-005				45	3	2	3	2
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-005				4	1		1	
1024	LTE CABLE A-F276D1 /M	E00B-0276-E101								
1025	ALARM SENDER	E068-1356-B101				1				
1026	HAC ATTENDANT CONSOLE	E078-1074-B401				2				
1027	BUSY LAMP FLD/DIRECT STA SELEC	E078-1075-B001								
1028	MIXER TRUNK CARD	E165-3001-R460								
1029	4W E&M TIE TRUNK CARD	E168-3001-R990				3				
1030	NIGHT BELL/CODE CALL INTFC CD	E168-3003-R280				1				
1031	SINGLE LINE TELEPHONE CARD	E168-3003-R210				2	1			1
1032	RINGER GENERATOR CARD	E168-3003-R530				1				
1033	MODEM POOL CONTROLLER CARD	E168-3003-R560								
1034	CHARACTER TRUNK CARD	E168-3007-R450				2				
1035	OPS LINE CARD	E168-3008-R262				15				
1036	PERIPH BUS CTL CARD 4-DMA	E168-3008-R540				1				
1037	DIGITAL LINE CARD - 16 2B+D	E168-3009-R150				11				
1038	CO LS/GS TK CARD A (Std 600 OHM)	E168-3009-R170				3				
1039	ONE WAY DID TRUNK CARD	E168-3009-R770				2				
1040	SWITCHING NETWORK CARD B RS	E168-3015-R590				1				
1041	ATTENDANT LINE CARD RS	E168-3015-RR30				1				
1042	POWER FAILURE TRANSFER CARD	E168-9900-R090				1				
1043	CABLE DUCT	E210-0062-T662#USA				1				
1044	ATT POWER (EH CONNECTION)	E660-2506-T662#10								
1045	E&M TRUNK/PFT CABLE	E660-2506-T662#8				5				
1046	ATT POWER (EG CONNECTION)	E660-2506-T662#9				1				
1047	CABLE: MDC MODEM CABLE A	E660-2506-T750#5								
1048	DATA TERMINAL ADAPTER	F108-0705-K001				4	1		1	
1049	HAC DT101B 28B SPEAKERPHONE	F108-0706-B111				45	3	2	3	2
1050	STAND-ALONE DIU TO 19.2 KBPS	F128-0337-B101				105	1	1	1	2
1051	MS/M ENGRD NET/DATA D/B SW	SW009500 MN1				1				
1052	CUST ENGRG FOR M/MS DATABASE	SW009500 MNC				1				
1053	EMML TERMINAL (ISM PC BASED)	GTIEMML				1				
1054	36-PORT TELECONFERENCING SYSTEM	TEMPO MB								
1055	SLT SPEAKERPHONE UNIT	KX-T1020				28	1	2	1	2
1056	SLT AMPLIFIED HANDSET	W-6				6		1		
1057	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4				1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V				1				
1059	UNIVERSAL PS BATT BACKUP SUBSYST	UPS-48V								
1060	INITIAL SPARE PARTS KIT	Not Applicable				1				
1061	OPPM - HOURLY CHARGE	Not Applicable				56	96	96	96	96
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable				156	9	8	10	10
1063	(Reserved)	(Reserved)								

SPARES KIT for ALL LOTS		BAFO
ITEM DESCRIPTION	MFR PART#	QTY PROV'D
BASIC CAB PACK	360370-01	1
FLOPPY DISK DRIVE	E15B-0080-C002	1
HARD DISK DRIVE (40MB)	E15B-0099-C001	1
MISC CONTROL CARD	E16B-3003-R550	1
CLOCK DISTRIBUTOR CARD	E16B-3005-R350	1
DIGITAL LINE CARD	E16B-3009-R150	1
T-1 TRUNK PACK	360348-01	1
ISDN/PRI & T1 W/SYNC CD	E16B-3006-R950	1
SINGLE LINE TEL CARD	E16B-3003-R310	1
CO .S/GS BW TK CD 600 OHM	E16B-3009-R170	1
MIXER TRUNK CARD	E16B-3001-R460	1
DTMF CARD	E16B-3003-R710	1
TONE DETECTION CARD	E16B-3003-E017	1

SOLICITATION: RS-IRM-92-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC
SCHEDULE C - INTEREST RATES AND FACTORS DATE 08/04
COLUMN A - REGION/LOCATION = ANY REGION or LOCATION LOTS: 1-4 TIME 12:20

B LTOP TERM (In Mos.)	D MARGIN PERCENTAGE	F TREASURY CONSTANT MATURITY TERM	H* TREASURY CONSTANT MATURITY RATE	J* (D + H) LTOP INTEREST RATE	L* LTOP INTEREST FACTOR
24	8.00%	2-YEAR	4.40%		
36	8.00%	3-YEAR	4.98%		
48	8.00%	5-YEAR	5.91%		
60	8.00%	5-YEAR	5.91%		

* Subject to change, based upon the Federal Reserve Statistical Release G.13 for 7/7/92.
* Also, 5 year rates were used for 48 month LTOP; no 4 year G.13 rates are published.

TERMINATION LIABILITY SCHEDULE
(See next page.)

TERMINATION LIABILITY SCHEDULE

(Expressed as % of Purchase Price) BAFO

For LTOP plans, canceled at end of month:

Month Term'd	LTOP 24	LTOP 36	LTOP 48	LTOP 60
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24	0.00%			
25	0.00%			
26	0.00%			
27	0.00%			
28	0.00%			
29	0.00%			
30	0.00%			
31	0.00%			
32	0.00%			
33	0.00%			
34	0.00%			
35	0.00%			
36	0.00%	0.00%		
37	0.00%	0.00%		
38	0.00%	0.00%		
39	0.00%	0.00%		
40	0.00%	0.00%		
41	0.00%	0.00%		
42	0.00%	0.00%		
43	0.00%	0.00%		
44	0.00%	0.00%		
45	0.00%	0.00%		
46	0.00%	0.00%		
47	0.00%	0.00%		
48	0.00%	0.00%	0.00%	
49	0.00%	0.00%	0.00%	
50	0.00%	0.00%	0.00%	
51	0.00%	0.00%	0.00%	
52	0.00%	0.00%	0.00%	
53	0.00%	0.00%	0.00%	
54	0.00%	0.00%	0.00%	
55	0.00%	0.00%	0.00%	
56	0.00%	0.00%	0.00%	
57	0.00%	0.00%	0.00%	
58	0.00%	0.00%	0.00%	
59	0.00%	0.00%	0.00%	
60	0.00%	0.00%	0.00%	

SOLICITATION: RS-IRM-92-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC

SCHEDULE D - TARIFFED CHARGES DATE 08/04

COLUMN A - REGION/LOCATION = REGION V: Walnut Creek CA LOT: 4 TIME 16:32

A CLIN	C ITEM DESCRIPTION OR NOMENCLATURE	Y TARIFF (LEC) REFERENCE	E NONRECUR UNIT PRICE	C RECUR UNIT PRICE		I INCREMENTAL QTY PERIODS 01-60	K 13-60	N 25-60	Q 37-60	Q 49-60
4001	CO LOOP Line	PACIFIC BELL	670.75	814.00		34				42
4002	DID Line	PACIFIC BELL	70.75	18.00		13				16
4003	DID Station/20 Stations	PACIFIC BELL		4.00		8				10
4004	CO FTS2000 Access Line	PACIFIC BELL	70.75	14.00		16				19
4005	FX Line	PACIFIC BELL	141.50	79.58		4				5
4006	OUT WATTS Line	PACIFIC BELL	70.75	25.00		3				4
4007	OUT WATTS Hours 0-5	PACIFIC BELL		11.00		3				4
4008	OUT WATTS Hours 5.1-15	PACIFIC BELL		8.75						
4009	OUT WATTS Hours 15.1-30	PACIFIC BELL		9.00						
4010	OUT WATTS Hours 30.1-XXX	PACIFIC BELL		8.25						
4011	OUT WATTS Setup Fee Per Call	PACIFIC BELL		0.05						
4012	OPX Line	PACIFIC BELL	198.00	18.00		119				128
4013	(Reserved)									
4014	(Reserved)									
4015	(Reserved)									
4016	(Reserved)									
4017	(Reserved)									
4018	(Reserved)									
4019	(Reserved)									
4020	(Reserved)									
4021	(Reserved)									
4022	(Reserved)									
4023	(Reserved)									
4024	(Reserved)									
4025	(Reserved)									

RFP's "Equipped Capacity" quantity is reflected in column "01-60".

RFP's "Projected Maximum Capacity" quantity is reflected in column "49-60".

SOLICITATION: RS-IRM-92-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NRC

SCHEDULE E - SERVICE CHARGES - OPTIONAL ITEMS DATE 08/04

COLUMN A - REGION/LOCATION = ANY REGION or LOCATION LOTS: 1-4 TIME 12:20

CLIN	ITEM DESCRIPTION/NOMENCLATURE	PRICE
5001	CABLE REMOVAL, PER JOB	
5002	DE-INSTALL AND PKG EXIST SYST, JOB	
5003	EQUIPMENT USER TRAINING, PER STUDENT	
5004	CONSOLE TRAINING, PER STUDENT	
5005	ALL OTHER TRAINING, PER SESSION	
5006	INITIAL SYSTEMS DRAWINGS, SET	
5007	UPDATED SYSTEMS DRAWINGS, SET	
5008	SITE VISITATION CHARGES, PER VISIT	
5009	DISCONNECTS, PER STATION	
5010	STATION MOVES WITH 100' CABLING, EA	
5011	REPROGRAMMING, PER HOUR	
5012	MISCELLANEOUS WORK, PER HOUR	
5013	SITE PREPARATION, JOB	
5014	DETAILED STATION REVIEWS, EA	
5015*	INSTALL NEW CABLES, EA	
5016*	INSTALL & MAINTAIN CABLE FOR PROP STA EQUIP, EA	
5017	MANUALS, MAINTENANCE & OPERATOR, SET	

* May already be priced in Tables A & B.

SOLICITATION: RS-IRM-92-344		BAFO	FILE:	NRC
SCHEDULE F - EQUIPMENT ROOM REQUIREMENTS			DATE:	08/04
REGION V: Walnut Creek CA	LOT: 4		TIME:	12:20

ITEM DESCRIPTION OR NOMENCLATURE	Insert Total Required for Period Beginning with Month:				
	00-12	13-24	25-36	37-48	49-60
Power Consumed (KWH)	11,896	11,896	11,896	11,896	11,896
Heat Dissipated (BTUH/3413 = KWH)	11,894	11,894	11,894	11,894	11,894
Equipment Room Space (SqFt)	34.5	34.5	34.5	34.5	34.5
Power Costs @ KWH					
Space Costs @ SQFT					
Evaluated Power Cost					
Evaluated Space Cost					
Total Cost Evaluation for Power					For 60 Months
Total Cost Evaluation for Space					For 60 Months
Total Evaluated Cost	**$13,280.60**				**For 60 Months**

NOTE:
"POWER CONSUMED (KWH)" = Equipment KWH x 365 da/yr x 24 hr/da.
Similar formulas were utilized for BTU's; BTUH was converted/3413 to KWH.
Year to year changes were not significant; we used MAXIMUM sizes for computations.

EAT

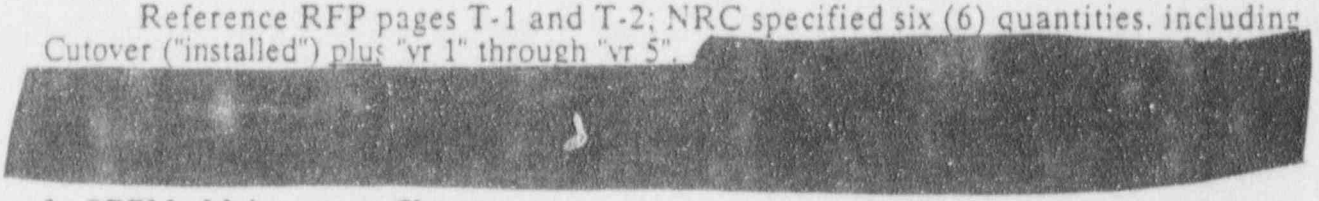
REGARDING THE COST PROPOSAL

1. Tariff Charges

We have obtained and are submitting with this BAFO, all applicable tariff charges; they are listed in Schedule "D". Without a Letter of Agency, the LEC's (Local Exchange Carriers) are not obligated to provide pricing for Government installations. However, due to our recent award with the United States Postal Services, GTI has established internally the ability to acquire this information.

2. Quantities for 60 Months

Reference RFP pages T-1 and T-2; NRC specified six (6) quantities, including Cutover ("installed") plus "yr 1" through "yr 5".



3. OPPM - Maintenance Charges

OPPM is offered only on a purchase basis. We indicated the charges on the LTOP sheets for information only. In this BAFO, the OPPM indicated on the LTOP schedules is to be interpreted as our offer for these services (if LTOP is the selected procurement method) on a PURCHASE ONLY basis. No factors were applied.

4. Spare Parts & Mandatory Options

A "SPARES KIT for ALL LOTS" sheet is now included in each lot's BAFO.

NRC deleted all mandatory options except for SMDR and Environmental Sensor. SMDR is standard in our proposed system and the capability for environmental sensors is inherent in the proposed system. Therefore, there are no costs associated with the Mandatory Options.

5. Tariffs - Lot 3

See item 1. above.

6. Schedule F Totals

A revised Schedule "F" is being submitted.

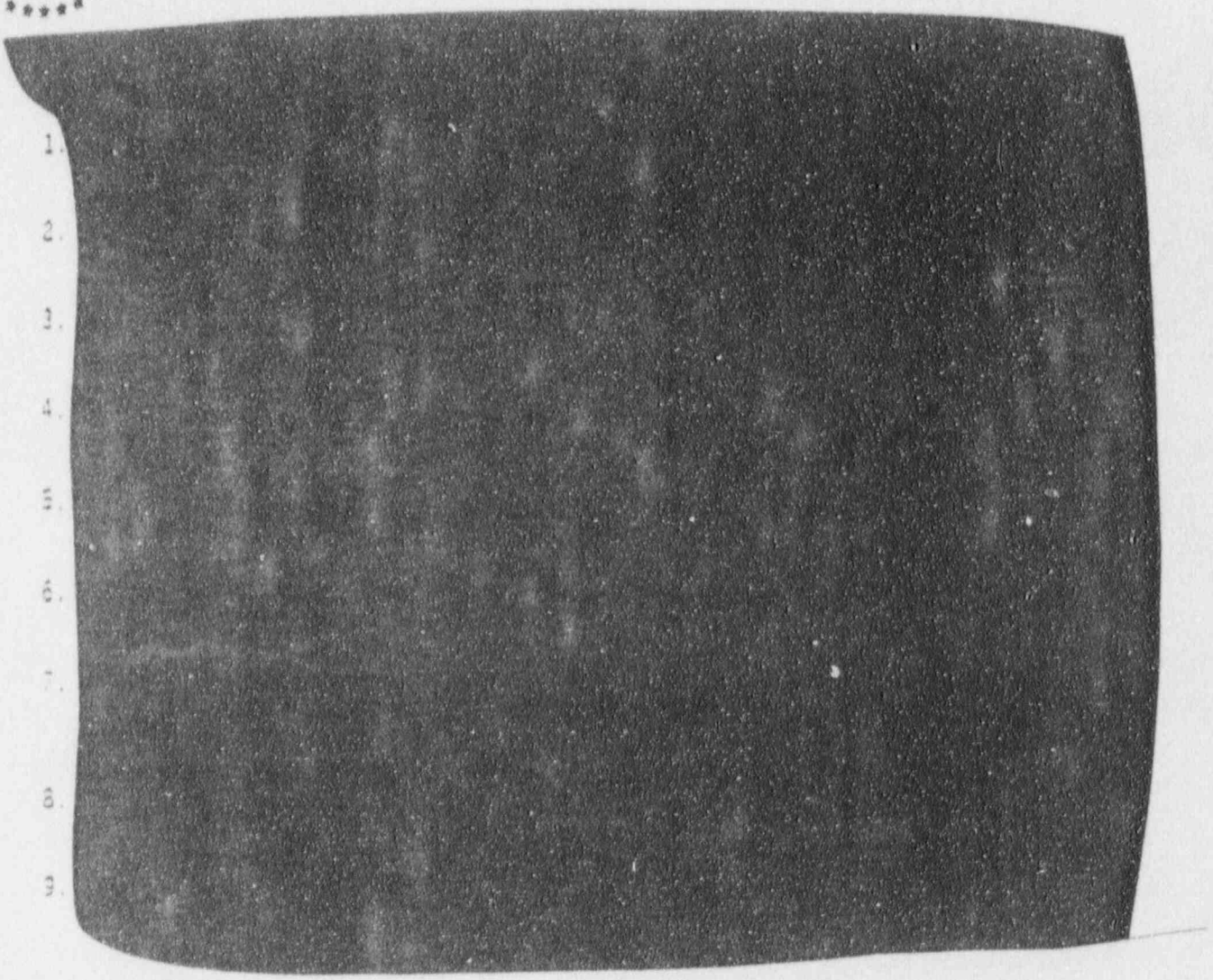
7. Expedited Delivery - Region III (Lot 3)

We understand that the Government's target date for cutover at Region III is 12/31/92. We can meet this date if award is made by 9/30/92 and no Government delays are encountered.

Responses

(to ADDITIONAL QUESTIONS/COMMENTS of 7/22/92)

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555



Government Telecommunications, Inc. --- additional questions/comments during July 22 [Negotiations Meeting] discussions:

1. We understand the new solicitation number and NRC's award intent.

2. We have reviewed our contractual position on this matter. We qualify as a small business under the terms of this solicitation (reference L.8) in that we have less than 1,000 employees. As such we are excepted from the obligation to submit a Small Business Subcontracting Plan.

3. We understand and concur with these scheduled dates.

4. We understand and concur concerning new/updated contract clauses.

5. We understand your evaluation tea n(s).

6. We have addressed the technical and cost type questions, both sequentially and chrologically.

7. We understand that *only the written portions* of our proposal can be evaluated.

8. Yes, we can install Region III within your schedule.

9. Yes. [redacted] addition to other discounts applied at this time.

Best and Final Offer (BAFO)

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

JUL 31 1992

Government Telecommunications, Inc.
ATTN: Mr. Michael Gammill
4500 Southgate Place, Suite 300
Chantilly, VA 22021

Dear Mr. Gammill:

SUBJECT: REQUEST FOR BEST AND FINAL OFFER UNDER REQUEST FOR PROPOSAL NO. RS-IRM-92-344 ENTITLED, "TELEPHONE SWITCHING SYSTEMS FOR NRCOC AND REGIONS I, III AND V"

Based upon discussions held on July 22, 1992, you are hereby afforded the opportunity to submit your "Best and Final" offer including any revisions you deem necessary to enhance your proposal. A negative response is requested if no revisions or clarifications are being made.

It is requested that you submit your "Best and Final" offer in an original and five copies each of both technical and business proposals to the address below, no later than 3:30 p.m. on Wednesday, August 5, 1992:

U.S. Nuclear Regulatory Commission
ATTN: Helen Hagey
RFP No. RS-IRM-92-344
Division of Contracts and Property Management
Mail Stop P-1020
Washington, DC 20555

It is requested that your "Best and Final" offer extend the proposal acceptance period through September 30, 1992.

Hand-carried proposals (including Express Mail and delivery services, e.g., Federal Express and Airborne Express) should be addressed as indicated above and delivered by the time and date specified to 7920 Norfolk Avenue, Phillips Building, Room P-1011, Bethesda, Maryland 20814. A response received after the date and time stated above will be processed in accordance with 52.215-10, Late Submissions, Modifications, and Withdrawals of Proposals (DEC 1989).

Following receipt of your submission, no further communication from the NRC can be expected until all evaluations and reviews have been completed. At that time, you will be notified whether your organization has or has not been selected for award.

JUL 31 1992

Any further questions regarding this matter should be addressed to Helen Hagey of my staff on (301) 492-9449.

Sincerely,

Paul J. Ebersole

for Elois S. Wiggins, Contracting Officer
Division of Contracts and Property Management

FEDERAL RESERVE statistical release

These data are released each Monday. The availability of the release will be announced when the information is available, at (202) 452-3206.

H.15 (519)

For immediate release
July 13, 1992

SELECTED INTEREST RATES

Yields in percent per annum

Instruments	1992 JUL 6	1992 JUL 7	1992 JUL 8	1992 JUL 9	1992 JUL 10	This week	Last week	1992 JUN
FEDERAL FUNDS (EFFECTIVE)[1 2 3]	3.15	3.35	4.19	3.46	3.20	3.24	3.87	3.76
COMMERCIAL PAPER[3 4 5]								
1-MONTH	3.49	3.46	3.44	3.43	3.41	3.45	3.80	3.91
3-MONTH	3.50	3.47	3.46	3.44	3.43	3.46	3.80	3.92
6-MONTH	3.60	3.56	3.53	3.53	3.51	3.55	3.87	3.99
FINANCE PAPER PLACED DIRECTLY[3 4 6]								
1-MONTH	3.38	3.34	3.31	3.32	3.30	3.33	3.68	3.81
3-MONTH	3.38	3.35	3.30	3.32	3.31	3.33	3.67	3.82
6-MONTH	3.41	3.41	3.37	3.37	3.37	3.39	3.64	3.80
BANKERS ACCEPTANCES (TOP RATED)[3 4 7]								
3-MONTH	3.37	3.33	3.32	3.32	3.30	3.33	3.66	3.80
6-MONTH	3.44	3.43	3.42	3.42	3.40	3.43	3.72	3.88
CDS (SECONDARY MARKET)[3 8]								
1-MONTH	3.41	3.38	3.33	3.35	3.32	3.36	3.74	3.83
3-MONTH	3.42	3.38	3.35	3.36	3.34	3.37	3.75	3.86
6-MONTH	3.56	3.53	3.48	3.51	3.48	3.51	3.90	3.97
EURODOLLAR DEPOSITS (LONDON)[3 9]								
1-MONTH	3.44	3.38	3.25	3.31	3.31	3.34	3.71*	3.81
3-MONTH	3.50	3.56	3.38	3.38	3.88	3.54	3.74*	3.87
6-MONTH	3.63	3.56	3.50	3.50	3.50	3.54	3.86*	4.00
BANK PRIME LOAN[2 3 10]	6.00	6.00	6.00	6.00	6.00	6.00	6.50	6.50
DISCOUNT WINDOW BORROWING[2 11]	3.00	3.00	3.00	3.00	3.00	3.00	3.50	3.50
U.S. GOVERNMENT SECURITIES								
TREASURY BILLS								
AUCTION AVERAGE[3 4 12]								
3-MONTH	3.23					3.23	3.59	3.70
6-MONTH	3.32					3.32	3.66	3.81
1-YEAR							3.93	4.07
AUCTION AVERAGE (INVESTMENT)[12]								
3-MONTH	3.30					3.30	3.67	3.79
6-MONTH	3.42					3.42	3.78	3.94
SECONDARY MARKET[3 4]								
3-MONTH	3.22	3.21	3.22	3.21	3.22	3.22	3.48	3.66
6-MONTH	3.31	3.28	3.29	3.27	3.27	3.28	3.57	3.77
1-YEAR	3.52	3.48	3.48	3.47	3.46	3.48	3.79	3.98
TREASURY CONSTANT MATURITIES[13]								
1-YEAR	3.67	3.63	3.63	3.63	3.62	3.64	3.96	4.17
2-YEAR	4.46	4.40	4.40	4.40	4.38	4.41	4.76	5.05
3-YEAR	5.06	4.98	4.98	4.97	4.95	4.99	5.33	5.60
5-YEAR	5.97	5.91	5.93	5.93	5.92	5.93	6.22	6.48
7-YEAR	6.49	6.45	6.45	6.45	6.43	6.45	6.69	6.90
10-YEAR	6.90	6.87	6.91	6.91	6.93	6.90	7.07	7.26
30-YEAR	7.62	7.61	7.61	7.61	7.64	7.62	7.74	7.84
COMPOSITE								
OVER 10 YEARS (LONG-TERM)[14]	7.44	7.41	7.45	7.44	7.47	7.45	7.58	7.72
CORPORATE BONDS								
MOODY'S SEASONED								
AAA	8.08	8.08	8.08	8.08	8.07	8.08	8.16	8.22
BAA	8.90	8.89	8.89	8.89	8.88	8.89	8.98	9.05
A-UTILITY[15]					8.41	8.41	8.44	8.62
STATE & LOCAL BONDS[16]				6.17		6.17	6.38	6.49
CONVENTIONAL MORTGAGES[17]					8.13	8.13	8.29	8.51

SEE OVERLEAF FOR FOOTNOTES

* Eurodollar rates for July 3 have been revised as follows:
3.44, 3.50, and 3.63 percent for 1-month, 3-month, and 6-month deposits, respectively.

FOOTNOTES

1. The daily effective federal funds rate is a weighted average of rates on trades through N.Y. brokers.
2. Weekly figures are averages of 7 calendar days ending on Wednesday of the current week; monthly figures include each calendar day in the month.
3. Annualized using a 360-day year or bank interest.
4. Quoted on a discount basis.
5. An average of offering rates on commercial paper placed by several leading dealers for firms whose bond rating is AA or the equivalent.
6. An average of offering rates on paper directly placed by finance companies.
7. Representative closing yields for acceptances of the highest rated money center banks.
8. An average of dealer offering rates on nationally traded certificates of deposit.
9. Bid rates for Eurodollar deposits at 11 a.m. London time.
10. One of several base rates used by banks to price short-term business loans.
11. Rate for the Federal Reserve Bank of New York.
12. Auction date for daily data; weekly and monthly averages computed on an issue-date basis.
13. Yields on actively traded issues adjusted to constant maturities. Source: U.S. Treasury.
14. Unweighted average of rates on all outstanding bonds neither due nor callable in less than 10 years.
15. Estimate of the yield on a recently offered, A-rated utility bond with a maturity of 30 years and call protection of 5 years; Friday quotations.
16. Bond Buyer Index; general obligation, 20 years to maturity, mixed quality; Thursday quotations.
17. Contract interest rates on commitments for fixed-rate first mortgages. Source: FHLMC.

Note: Weekly and monthly figures are averages of business days unless otherwise noted.

DESCRIPTION OF THE TREASURY CONSTANT MATURITY SERIES

Yields on Treasury securities at 'constant maturity' are interpolated by the U.S. Treasury from the daily yield curve. This curve, which relates the yield on a security to its time to maturity, is based on the closing market bid yields on actively traded Treasury securities in the over-the-counter market. These market yields are calculated from composites of quotations reported by five leading U.S. Government securities dealers to the Federal Reserve Bank of New York. The constant maturity yield values are read from the yield curve at fixed maturities, currently 1, 2, 3, 5, 7, 10, and 30 years. This method provides a yield for a 10-year maturity, for example, even if no outstanding security has exactly 10 years remaining to maturity.

A Proposal to Provide

TELEPHONE SWITCHING SYSTEMS
for
NRCOC and REGIONS I, III and V

to the

U.S. NUCLEAR REGULATORY COMMISSION
Division of Contracts & Property Management
Washington, DC 20555

for

Four (4) PBX's and Associated Services

In response to:

Solicitation RS-IRM-92-344
(Formerly Solicitation RS-IRM-90-215)

TECHNICAL PROPOSAL - BAFO

August 5, 1992

Submitted by:

Government Telecommunications, Inc.
4500 Southgate Place - Suite 300
Chantilly, Virginia 22021
PHONE: (703) 631-5155
FAX: (703) 266-0977

TECHNICAL ISSUES

No other Technical Issues remain; previous material submitted --- together with other (earlier) pages in this submission --- have resolved all final technical issues.

Superseding Configuration Worksheets are furnished in this section, on the following four (4) pages.

END OF TECHNICAL ISSUES

SOLICITATION: RS-IRM-92-344
CONFIGURATION WORKSHEET

U.S. NUCLEAR REGULATORY COMMISSION

NRCOC Bethesda MD

LOT 1

BAFO

FILE NRC
DATE 08/04
TIME 12:22

CLIN NO.	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	QUANTITIES N YR-1	O YR-2	O YR-3	R YR-4	S YR-5
1001	[redacted] SGL LINE SET W/O MW	250100MOE20M	28	2	3		
1002	RS EMML SOFTWARE	301976-05	1				
1003	RS TP/TV SOFTWARE	350061-05	1				
1004	RS MCPR S/W RTU [redacted] CONFIG	350114-05					
1005	RS MS/S FLOPPY DISK BOOT SFWE	350197-05					
1006	RS PREFORMATTED BLANK DISK	350193-05	15				
1007	RS MCPR S/W RTU [redacted] CONFIG	350231-05	1				
1008	RS USER DOCUMENTATION PKG	350435-01	1				
1009	BASIC CAB PACK [redacted] XTF XL/M-RS	350439-01	1				
1010	BASIC LTU PK FOR LTUP [redacted] L/M-RS	350441-01	2				
1011	[redacted] ANALOG MASTER PACK-RS	350443-01	1				
1012	BASIC CAB PACK [redacted] XTF MS-RS	350449-01					
1013	[redacted] ANALOG MASTER PACK-RS	350447-01					
1014	BASIC LTU PK FOR [redacted] UP MS-RS	350450-01					
1015	SYST FWDING ENHANCEMENT RS	350454-07	1				
1016	EXPANDED SPEED DIALING CODES RS	350464-10	1				
1017	JOINT TENANT SERVICE RS	350464-12	1				
1018	P/TRONIC E-SUPRA 1-EAR OVER/HEAD	769084-03	3				
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005	3				
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005	216	2	3		
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005	35				
1022	DIG TELEPHONE QUICK REF GUIDE	D110-051-005	75	5	4		
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-005	23	2	2		
1024	LTF CABLE A-F27601 /M	E008-0176-E101	1				
1025	ALARM SENDER	E068-1356-B101	1				
1026	MAC-ATTENDANT CONSOLE	E078-1074-B401	3				
1027	BUSY LAMP FLD/DIRECT STA SELEC	E078-1075-B001	3				
1028	MIXER TRUNK CARD	E168-3001-R460	1				
1029	4W E&M TIE TRUNK CARD	E168-3001-R990	3				
1030	NIGHT BELL/CODE CALL INTFC CD	E168-3003-R280	1				
1031	SINGLE LINE TELEPHONE CARD	E168-3003-R310	7	1			
1032	RINGER GENERATOR CARD	E168-3003-R530	2				
1033	MODEM POOL CONTROLLER CARD	E168-3003-R560	1				
1034	CHARACTER TRUNK CARD	E168-3007-R430	1				
1035	OPS LINE CARD	E168-3008-R250	11				
1036	PERIPH BUS CTL CARD 4-DMA	E168-3008-R540	2				
1037	DIGITAL LINE CARD - 16 2B+D	E168-3009-R150	8				
1038	CO LS/GS TK CARD A (Std 600 OHM)	E168-3009-R170	3				
1039	ONE WAY DID TRUNK CARD	E168-3009-R770	2				
1040	SWITCHING NETWORK CARD B RS	E168-3015-R590	2				
1041	ATTENDANT LINE CARD RS	E168-3015-RB30	1				
1042	POWER FAILURE TRANSFER CARD	E168-9900-R000	1				
1043	CABLE DUCT	E210-0042-T512#USA	2				
1044	ATT POWER (EH CONNECTION)	E660-2506-T662#10	1				
1045	E&M TRUNK/PBT CABLE	E660-2506-T662#8	5				
1046	ATT POWER (EG CONNECTION)	E660-2506-T662#9	1				
1047	CABLE, MDC-MODEM CABLE A	E660-2506-T760#5	2				
1048	DATA TERMINAL ADAPTER	F108-0705-K001	23	2	2		
1049	MAC DT101B 288 SPEAKERPHONE	F108-0706-B111	75	5	4		
1050	STAND-ALONE DIU TO 19.2 KBPS	F128-0337-B101	35				
1051	MS/M ENGRD NET/DATA D/B SW	SW009600 MN1	1				
1052	CUST ENGRG FOR M/MS DATABASE	SW009600 MNC	1				
1053	EMML TERMINAL (IBM PC BASED)	GTIEMML	1				
1054	36 PORT TELECONFERENCING SYSTEM	TEMPO MB	2				
1055	SLT SPEAKERPHONE UNIT	KX-T1020	2	1	1		
1056	SLT AMPLIFIED HANDSET	W-6	2				
1057	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4	1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V	1				
1059	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V	1				
1060	INITIAL SPARE PARTS KIT	Not Applicable	1				
1061	OPPM - HOURLY CHARGE	Not Applicable					
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable	231	7	7		
1063	[Reserved]	[Reserved]					

SOLICITATION: RS-IRM-92-344
CONFIGURATION WORKSHEET

U.S. NUCLEAR REGULATORY COMMISSION

BAFO

FILE NRC
DATE 08/04
TIME 12:23

REGION I: King of Prussia PA

LOT 2

CLIN NO	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	QUANTITIES N YR-1	O YR-2	Q YR-3	R YR-4	S YR-5
1001	[redacted] SGL LINE SET W/O MW	260100MOE20M	248	13	14	15	17
1002	R5 EMML SOFTWARE	301976-05	1				
1003	R5 TP/TV SOFTWARE	360061-05	1				
1004	R5 MCPR S/W RTU [redacted] CONFIG	360114-05	1				
1005	R5 MS/S FLOPPY DISK BOOT SFWE	360192-05	15				
1006	R5 PREFORMATTED BLANK DISK	360193-05					
1007	R5 MCPR S/W RTU [redacted] CONFIG	360231-05	1				
1008	R5 USER DOCUMENTATION PKG	360435-01					
1009	BASIC CAB PAC [redacted] XTF XL/M-R5	360439-01					
1010	BASIC LTU PK FOR LTUF [redacted] M-R5	360441-01					
1011	[redacted] ANALOG MASTER PACK-R5	360443-01			1		
1012	BASIC CAB PACK [redacted] XTF MS-R5	360449-01					
1013	[redacted] ANALOG MASTER PACK-R5	360447-01	3				
1014	BASIC LTU PK FOR [redacted] T/P MS-R5	360450-01					
1015	SYST FWDING ENHAN EMENT R5	360464-07	1				
1016	EXPANDED SPEED DIALING CODES R5	360464-10					
1017	JOINT TENANT SERVICE R5	360464-12					
1018	P/TRONIC E-SUPRA 1-EAR OVER/HEAC	769084-03	1		1		
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005	1		1		
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005	264	13	14	15	17
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005	151	4	4	4	6
1022	DIG TELEPHONE QUICK REF GUIDE	D110-051-005	79	2	3	3	2
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-005	4		1	1	
1024	LTF CABLE A-F276D1 /M	E008-0276-E101	1				
1025	ALARM SENDER	E06B-1356-B101	1		1		
1026	HAC-ATTENDANT CONSOLE	E07B-1074-B401	1		1		
1027	BUSY LAMP FLD/DIRECT STA SELEC	E07B-1075-B001	1				
1028	MIXER TRUNK CARD	E16B-3001-R460	3				
1029	4W E&M TIE TRUNK CARD	E16B-3001-R990	1				
1030	NIGHT BELL/CODE CALL INTFC CD	E16B-3003-R280	11	1	1	1	1
1031	SINGLE LINE TELEPHONE CARD	E16B-3003-R310	1				
1032	RINGER GENERATOR CARD	E16B-3003-R530					
1033	MODEM POOL CONTROLLER CARD	E16B-3003-R560	3				
1034	CHARACTER TRUNK CARD	E16B-3007-R430					
1035	DP LINE CARD	E16B-3008-R250	1				
1036	PEF 4 BUS CTL CARD 4-DMA	E16B-3008-R540	15		1		1
1037	DIGITAL LINE CARD - 16 28 + D	E16B-3009-R150	11				
1038	CO LS/GS TK CARD A /Std 600 OHM	E16B-3009-R170	2				
1039	ONE WAY DID TRUNK CARD	E16B-3009-R270	1				
1040	PC SWITCHING NETWORK CARD B R5	E16B-3015-R590	1				
1041	ATTENDANT LINE CARD R5	E16B-3015-R830	1				
1042	POWER FAILURE TRANSFER CARD	E16B-9900-R000	1		1		
1043	CABLE DUCT	E210-0042-T512#USA					
1044	ATT POWER (EH CONNECTION)	E660-2506-T662#10	5				
1045	E&M TRUNK/PBT CABLE	E660-2506-T662#8	1				
1046	ATT POWER (EG CONNECTION)	E660-2506-T662#9					
1047	CABLE, MDC-MODEM CABLE A	E660-2506-T760#5	14		1	1	
1048	DATA TERMINAL ADAPTER	F108-0705-K001	79	2	3	3	2
1049	HAC DT1018 28B SPEAKERPHONE	F108-0706-B111	151	4	4	4	6
1050	STAND-ALONE DIU TO 19.2 KBPS	F128-0337-B101	1				
1051	MS/M ENGRD NET/DATA D B SW	SW:009600 MN1	1				
1052	CUST ENGRG FOR M/MS DATABASE	SW:009600 MNC	1				
1053	EMML TERMINAL (IBM PC BASED)	GTIEMML					
1054	36-PORT TELECONFERENCING SYSTEM	TEMPO MB	52	4	3	4	4
1055	SLT SPEAKERPHONE UNIT	KX-T1020	13	1		1	1
1056	SLT AMPLIFIED HANDSET	W-6	1				
1057	MANAGEMENT SYSTEM w/4 CRT	GTI-TSI/MS-4	1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V	1				
1059	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V	1				
1060	INITIAL SPARE PARTS KIT	Not Applicable	56	96	96	96	96
1061	OPPM - HOURLY CHARGE	Not Applicable	228	15	18	18	19
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicabe					
1063	(Reserved)	(Reserved)					

SOLICITATION: RS-IRM-92-344
CONFIGURATION WORKSHEET

U.S. NUCLEAR REGULATORY COMMISSION

REGION III: Glen Ellyn IL

BAFO

LOT 3

FILE NRC
DATE 08/04
TIME 12:24

CLIN NO.	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	QUANTITIES N YR-1	O YR-2	Q YR-3	R YR-4	S YR-5
1001	[redacted] SGL LINE SET W/O MW	260100MOE20M	209	5	10	10	10
1002	R5 EMML SOFTWARE	301876-05	1				
1003	R5 TP/TV SOFTWARE	360061-05	1				
1004	R5 MCPR S/W R1U-M[redacted] CONFIG	360114-05	1				
1005	R5 MS/S FLOPPY DISK BOOT SFWE	360192-05	1				
1006	R5 PREFORMATTED BLANK DISK	360193-05	15				
1007	R5 MCPR S/W R1U-[redacted] CONFIG	360231-05					
1008	R5 USER DOCUMENTATION PKG	360435-01	1				
1009	BASIC CAB PACK [redacted] XTF XL/M-R5	360439-01					
1010	BASIC LTU PK FOR LTUP [redacted] /M-R5	360441-01					
1011	[redacted] ANALOG MASTER PACK-R5	360443-01					
1012	BASIC CAB PACK [redacted] TF MS-R5	360449-01					
1013	[redacted] ANALOG MASTER PACK R5	360447-01	1				
1014	BASIC LTU PK FOR [redacted] TUP M[redacted]-R5	360450-01	3				
1015	SYST FWDING ENHANCEMEN[redacted] R5	360464-07					
1016	EXPANDED SPEED DIALING CODES R5	360464-10	1				
1017	JOINT TENANT SERVICE R5	360464-12					
1018	P/TRONIC E-SUPRA 1-EAR OVER/HEAD	769084-03	1		1		
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005	1		1		
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005	225	5	10	10	10
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005	131				
1022	DIG TELEPHONE QUICK REF GUIDE	D110-051-005	76			1	
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-005	10			1	
1024	LTF CABLE A-F276D1 /M	[redacted]-F101					
1025	ALARM SENDER	E068-179[redacted]-101	1				
1026	HAC-ATTENDANT CONSOLE	E07B-1074-[redacted]	1		1		
1027	BUSY LAMP FLD/DIRECT STA SELEC	E07B-10[redacted]-B	1		1		
1028	MIXER TRUNK CARD	E16B-3001-R[redacted]	1				
1029	4W E&M TIE TRUNK CARD	E16B-3001-R[redacted]	3				
1030	NIGHT BELL/CODE CALL INTFC CD	E16B-3003-[redacted]	1				
1031	SINGLE LINE TELEPHONE CARD	E16B-3003-R[redacted]	9			1	1
1032	RINGER GENERATOR CARD	E16B-3003-R530	1				
1033	MODEM POOL CONTROLLER CARD	E16B-3003-R560					
1034	CHARACTER TRUNK CARD	E16B-3007-R430	2				
1035	OPS LINE CARD	E16B-3008-R250	2				
1036	PERIPH BUS CTL CARD 4-DMA	E16B-3008-R540	1				
1037	DIGITAL LINE CARD - 16 2B+D	E16B-3009-R150	14				
1038	CO LS/GS TK CARD A (Std 600 OHM)	E16B-3009-R170	2				
1039	ONE WAY DID TRUNK CARD	E16B-3009-R770	3				
1040	SWITCHING NETWORK CARD B R5	E16B-3015-R590	1				
1041	ATTENDANT LINE CARD R5	E16B-3015-R830	1				
1042	POWER FAILURE TRANSFER CARD	E16B-9900-R000	1				
1043	CABLE DUCT	E210-0042-T512#USA	1				
1044	ATT POWER (EH CONNECTION)	E660-2506-T662#10					
1045	E&M TRUNK/PFT CABLE	E660-2506-T662#8	5				
1046	ATT POWER (EO CONNECTION)	E660-2506-T662#9	1				
1047	CABLE: MDC-MODEM CABLE A	E660-2506-T760#5					
1048	DATA TERMINAL ADAPTER	F10B-0705-K001	10			1	
1049	HAC DT101B 28B SPEAKERPHONE	F10B-0706-B111	76			1	
1050	STAND-ALONE DIU TO 19.2 KBPS	F12B-0337-B101	131				
1051	MS/M ENGRD NET/DATA D/B SW	SW009620 MN1	1				
1052	CUST ENGRG FOR M/MS DATABASE	SW009800 MNC	1				
1053	EMML TERMINAL (IBM PC BASED)	GTIEMML	1				
1054	36-PORT TELECONFERENCING SYSTEM	TEMPO MB					
1055	SLT SPEAKERPHONE UNIT	KX-T1020	53	1	2	3	2
1056	SLT AMPLIFIED HANDSET	W-6	11		1		1
1057	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4	1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V	1				
1059	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V					
1060	INITIAL SPARE PARTS KIT	Not Applicable	1				
1061	OPPM - HOURLY CHARGE	Not Applicable			48	96	96
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable	288	5	11	11	10
1063	(Reserved)	(Reserved)					

NOTES FOR COST TABLES

The Offeror's Cost Tables/Schedules follow the guidelines established in the solicitation document as nearly as could be performed in an automated manner. **NOTE:** All of these Tables/Schedules are **SUPERSEDING**.

The tables submitted are as follows (each is *one* page):

Special Discount Schedule

Lot 1 - Schedule A - Itemized Price List - Purchase, Installation & Maintenance
Lot 1 - Schedule B - Itemized Price List - LTOP-24, Installation & Maintenance
Lot 1 - Schedule B - Itemized Price List - LTOP-36, Installation & Maintenance
Lot 1 - Schedule B - Itemized Price List - LTOP-48, Installation & Maintenance
Lot 1 - Schedule B - Itemized Price List - LTOP-60, Installation & Maintenance
Spares Kit for All Lots
Lots 1-4 - Schedule C - Interest Rates & Factors
Termination Liability Schedule - [All Lots]
Lot 1 - Schedule D - Tariffed Charges
Lots 1-4 - Schedule E - Service Charges - Optional Items
Lot 1 - Schedule F - Equipment Room Requirements

Lot 2 (same schedules as above grouping for Lot 1)

Lot 3 (same schedules as above grouping for Lot 1)

Lot 4 (same schedules as above grouping for Lot 1)

This Offeror typically utilizes Contract Line Item Number ("CLIN") to identify individual line items; this scheme also is carried throughout our data bases. CLINs were used in these tables.

Table A, Column G, CLIN 1061 (OPPM) is a PURCHASE ITEM ONLY for all LTOP pages.

END OF COST NOTES

8X4

SOLICITATION: RS-IRM-90-215
SCHEDULE A - ITEMIZED PRICE LIST - PURCHASE, INSTALLATION AND MAINTENANCE
COLUMN A - REGION/LOCATION * REGION V: Walnut Creek CA LOT: 4

FILE NAME: NRCF
DATE 05/06
TIME 10:31

CLIN NO.	C ITEM DESCRIPTION/NOMENCLATURE	E PART NUMBER	G PURCHASE	I INSTALL	K MO/MNT	N 1/CO	O 13	Q 25	R 37	S 49	T +YR5
			****** UNIT PRICES ******			********** QUANTITIES **********					
1001	[redacted] ANALOG MASTER PACK-R4	360366-01				1					
1002	[redacted] DIGITAL MASTER PACK-R4	360365-02									
1003	BASIC LTU PACK FOR LTUP [redacted] XL/M	360341-01									
1004	BASIC LTU PACK FOR [redacted] LTUP MS	360340-01				3				1	
1005	MESG WAITING RINGER GENERATOR PK	360349-01				1					
1006	ISDN PRI TRUNK PACK	360347-01				1					
1007	PERIPHERAL BUS CTL CARTD 4-DMA	E168-3008-R540				1					
1008	SWITCHING NETWORK CARD B	E168-3002-R010				1					
1009	CLOCK DISRIBUTOR CARD	E168-3005-R350				1					
1010	SINGLE LINE TELEPHONE CARD	E168-3003-R310				1			1		
1011	OPS LINE CARD	E168-3008-R250				15					
1012	DIGITAL LINE CARD - 16 2B+D	E168-3009-R150				9				1	
1013	CO BOTHWAY TRUNK CARD A (600 OHM)	E168-3009-R170				3					
1014	ONE WAY DID TRUNK CARD	E168-3009-R770				2					
1015	ISDN/PRI&T1 TRUNKS W/SYNC ADP/CD	E168-3006-R950				1					
1016	MIX 3 TRUNK CARD	E168-3001-R460									1
1017	CONFERENCE TRUNK CARD	E168-3001-R470				1					
1018	POWER FAILURE TRANSFER CARD	E168-3003-R270				1					
1019	NIGHT BELL/CODE CALL I/F CARD	E168-3003-R280				1					
1020	CHARACTER TRUNK CARD	E168-3007-R430				2					
1021	MODEM POOL CONTROLLER CARD	E168-3003-R560				1					
1022	ATTENDANT LINE CARD	E168-3009-R740				1					
1023	MAC-ATTENDANT CONSOLE	B079-1074-B401				1				1	
1024	BUSY LAMP FIELD/DIRECT STA SEL	B078-1075-B001				1				1	
1025	STAND-ALONE DIU TO 19.2KBPS	F12B-0337-B101				61					
1026	DATA TERMINAL ADAPTER	F10B-0705-K001				14		2	1	2	2
1027	MAC DT100A 14B W/O SPEAKERPHONE	F10B-0705-B011				10		1	1	1	2
1028	MAC DT200B 14B DISPLAY SPKRPHONE	F10B-0707-B111				43	2	3	2	3	2
1029	EMML TERMINAL (IBM PC BASED)	301977-04				1					
1030	P/TRONIC E-SUPRA 1-EAR OVER/HEAD	769084-03				1				1	
1031	CLOCK SYNC CABLE (ISDN/PRI&T1)	E660-2506-T983#1				1					
1032	(Reserved)	(Reserved)									
1033	(Reserved)	(Reserved)									
1034	E&M TRUNK/PFT CABLE	E660-2506-T662#8				2					
1035	ATT POWER (EG CONNECTION)	E660-2506-T662#9				1					
1036	CABLE: MDC-MODEM CABLE A	E660-2506-T760#5				2					
1037	R4 MCPR S/W RTU [redacted] CONFIG	360114-04				1					
1038	R4 MCPR S/W RTU [redacted] CONFIG	360231-04									
1039	R4 EMML SOFTWARE	301976-04				1					
1040	R4 TP/TY SOFTWARE	360061-04				1					
1041	R4 MS/S FLOPPY DISK BOOT SOFTWARE	360192-04				1					
1042	SYSTEM FORWARDING ENHANCEMENT	360233-07				1					
1043	PRIMARY RATE INTERFACE SOFTWARE	360233-04				1					
1044	M/MS ENGINEERED NET/DATA DATABASE	SW009600-MN3				1					
1045	CUSTOM ENGARING FOR M/MS DATABS	SW009600-MNC				1					
1046	ATTENDANT CONSOLE QUICK REF GUIDE	D110-042-004				1				1	
1047	SINGLE LINE TEL QUICK REF GUIDE	D110-045-004				214	5	5	5	5	6
1048	DIGITAL TELEPHONE QUICK REF GUIDE	D110-051-004				53	2	4	3	4	4
1049	DATA INTERFC UNIT QUICK REF GUIDE	D110-049-004				81					
1050	DATA TERM ADAPTER QUICK REF GUIDE	D110-053-004				14		2	1	2	2
1051	36-PORT TELECONFERENCING SYSTEM	TEMPO MB									
1052	04-PORT TCNF SYSTEM EXPANSION CD	TEMPO MB 4P									
1053	SINGLE LINE TELEPHONES	PREM 2500				95	5	5	5	5	6
1054	SLT SPEAKERPHONE UNIT	KX-T1020				24	1	1	2	1	1
1055	SLT AMPLIFIED HANDSET	W-6				5			1		
1056	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4				1					
1057	POWER SUPPLY SUBSYSTEM	PS-48V				1					
1058	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V									
1059	INITIAL SPARE PARTS KIT	Not Applicable				1					
1060	OPPM - HOURLY CHARGE	Not Applicable					56	96	96	96	96
1061	VOICE STATION LINES/DID EQUIPPED	Not Applicable				149	7	9	8	10	10

SOLICITATION: RS-IRM-90-215
SCHEDULE B - ITEMIZED PRICE LIST - LTOP-24, INSTALLATION AND MAINTENANCE
COLUMN A - REGION/LOCATION = REGION V: Walnut Creek CA LOT: 4

FILE NAME: NRCF
DATE 05/06
TIME 10:31

CLIN NO.	C ITEM DESCRIPTION/NOMENCLATURE	E PART NUMBER	***** UNIT PRICES ****** G LTOP-24	I INSTALL	K MO/MNT	******** QUANTITIES ********** N 1/CO	O 13	Q 25	R 37	S 49	T +YRS
1001	[redacted] ANALOG MASTER PACK-R4	360366-01	[redacted]			1					
1002	[redacted] DIGITAL MASTER PACK-R4	360365-02									
1003	BASIC LTU PACK FOR LTUP [redacted] XL/K	360341-01				3				1	
1004	BASIC LTU PACK FOR [redacted] LTUP MS	360340-01				1					
1005	MESG WAITING RINGER GENERATOR PK	360349-01				1					
1006	ISDN PRI TRUNK PACK	360347-01				1					
1007	PERIPHERAL BUS CTL CARTD 4-DMA	E16B-3008-R540				1					
1008	SWITCHING NETWORK CARD B	E16B-3002-R010				1					
1009	CLOCK DISRIBUTOR CARD	E16B-3005-R350				1					
1010	SINGLE LINE TELEPHONE CARD	E16B-3003-R310				1			1		
1011	OPS LINE CARD	E16B-3008-R250				15					
1012	DIGITAL LINE CARD - 16 2B+D	E16B-3009-R150				9				1	
1013	CO BOTHWAY TRUNK CARD A (600 OHM)	E16B-3009-R170				3					
1014	ONE WAY DID TRUNK CARD	E16B-3009-R770				2					
1015	ISDN/PRI&T1 TRUNKS W/SYNC ADP/CD	E16B-3006-R950				1					
1016	MIXER TRUNK CARD	E16B-3001-R460									1
1017	CONFERENCE TRUNK CARD	E16B-3001-R470				1					
1018	POWER FAILURE TRANSFER CARD	E16B-3003-R270				1					
1019	NIGHT BELL/CODE CALL I/F CARD	E16B-3003-R280				1					
1020	CHARACTER TRUNK CARD	E16B-3007-R430				2					
1021	MODEM POOL CONTROLLER CARD	E16B-3003-R560				1					
1022	ATTENDANT LINE CARD	E16B-3009-R740				1					
1023	MAC-ATTENDANT CONSOLE	B07B-1074-B401				1				1	
1024	BUSY LAMP FIELD/DIRECT STA SEL	B07B-1075-B001				1				1	
1025	STAND-ALONE DIU TO 19.2KBPS	F12B-0337-B101				81					
1026	DATA TERMINAL ADAPTER	F10B-0705-K001				14		2	1	2	2
1027	MAC DT100A 14B W/O SPEAKERPHONE	F10B-0705-B011				10		1	1	1	2
1028	MAC DT200B 14B DISPLAY SPKRPHONE	F10B-0707-B111				43	2	3	2	3	2
1029	EMML TERMINAL (IBM PC BASED)	301977-04				1					
1030	P/TRONIC E-SUPRA 1-EAR OVER/HEAD	769084-03				1				1	
1031	CLOCK SYNC CABLE (ISDN/PRI&T1)	E660-2506-T983#1				1					
1032	(Reserved)	(Reserved)									
1033	(Reserved)	(Reserved)									
1034	E&M TRUNK/PFT CABLE	E660-2506-T662#8				2					
1035	ATT POWER (EG CONNECTION)	E660-2506-T662#9				1					
1036	CABLE MDC-MODEM CABLE A	E660-2506-T760#5				2					
1037	R4 MCPR S/W RTU [redacted] CONFIG	360114-04				1					
1038	R4 MCPR S/W RTU [redacted] CONFIG	360231-04									
1039	R4 EMML SOFTWARE	301976-04				1					
1040	R4 TP/TV SOFTWARE	360061-04				1					
1041	R4 MS/S FLOPPY DISK BOOT SOFTWARE	360192-04				1					
1042	SYSTEM FORWARDING ENHANCEMENT	360233-07				1					
1043	PRIMARY RATE INTERFACE SOFTWARE	360233-04				1					
1044	M/MS ENGINEERED NET/DATA DATABASE	SW009600-MN3				1					
1045	CUSTOM ENGNRING FOR M/MS DATABS	SW009600-MNC				1					
1046	ATTENDANT CONSOLE QUICK REF GUIDE	D110-042-004				1				1	
1047	SINGLE LINE TEL QUICK REF GUIDE	D110-045-004				214	5	5	5	5	6
1048	DIGITAL TELEPHONE QUICK REF GUIDE	D110-051-004				53	2	4	3	4	4
1049	DATA INTERFC UNIT QUICK REF GUIDE	D110-049-004				81					
1050	DATA TERM ADAPTER QUICK REF GUIDE	D110-053-004				14		2	1	2	2
1051	56-PORT TELECONFERENCING SYSTEM	TEMPO MB									
1052	04-PORT TCNF SYSTEM EXPANSION CO	TEMPO MB 4P									
1053	SINGLE LINE TELEPHONES	PREM 2500				95	5	5	5	5	6
1054	SLT SPEAKERPHONE UNIT	KX-T1020				24	1	1	2	1	1
1055	SLT AMPLIFIED HANDSET	W-6				5			1		
1056	MANAGEMENT SYSTEM w/4 CRT	GT1/TS1/MS-4				1					
1057	POWER SUPPLY SUBSYSTEM	PS-48V				1					
1058	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V									
1059	INITIAL SPARE PARTS KIT	Not Applicable				1					
1060	OPPM - HOURLY CHARGE	Not Applicable					56	96	96	96	96
1061	VOICE STATION LINES/DID EQUIPPED	Not Applicable				149	7	9	8	10	10

SOLICITATION: RS-IRM-90-215
SCHEDULE B - ITEMIZED PRICE LIST - LTOP-36, INSTALLATION AND MAINTENANCE
COLUMN A - REGION/LOCATION = REGION V: Walnut Creek CA LOT: 4

FILE NAME: NRCF
DATE 05/06
TIME 10:31

CLIN NO.	C ITEM DESCRIPTION/NOMENCLATURE	E PART NUMBER	G LTOP-36	I INSTALL	K MO/MNT	N 1/CO	O 13	Q 25	R 37	S 49	T +YRS
			****** UNIT PRICES ******			********** QUANTITIES **********					
1001	[redacted] ANALOG MASTER PACK-R4	360366-01				1					
1002	[redacted] DIGITAL MASTER PACK-R4	360365-02									
1003	BASIC LTU PACK FOR LTUP [redacted] /M	360341-01									
1004	BASIC LTU PACK FOR [redacted] LTUP MS	360340-01				3				1	
1005	MESG WAITING RINGER GENERATOR PK	360349-01				1					
1006	ISDN PRI TRUNK PACK	360347-01				1					
1007	PERIPHERAL BUS CTL CARTD 4-DMA	E16B-3008-R540				1					
1008	SWITCHING NETWORK CARD B	E16B-3002-R010				1					
1009	CLOCK DISRIBUTOR CARD	E16B-3005-R350				1					
1010	SINGLE LINE TELEPHONE CARD	E16B-3003-R310				1			1		
1011	OPS LINE CARD	E16B-3008-R250				15					
1012	DIGITAL LINE CARD - 16 2B+D	E16B-3009-R150				9				1	
1013	CO BOTHWAY TRUNK CARD A (600 OHM)	E16B-3009-R170				3					
1014	ONE WAY DID TRUNK CARD	E16B-3009-R770				2					
1015	ISDN/PRI&T1 TRUNKS W/SYNC ADP/CD	E16B-3006-R950				1					
1016	MIXER TRUNK CARD	E16B-3001-R460									1
1017	CONFERENCE TRUNK CARD	E16B-3001-R470				1					
1018	POWER FAIL RE TRANSFER CARD	E16B-3003-R270				1					
1019	NIGHT BELL/CODE CALL I/F CARD	E16B-3003-R280				1					
1020	CHARACTER TRUNK CARD	E16B-3007-R430				2					
1021	MODEM POOL CONTROLLER CARD	E16B-3003-R560				1					
1022	ATTENDANT LINE CARD	E16B-3009-R740				1					
1023	HAC-ATTENDANT CONSOLE	B07B-1074-B401				1				1	
1024	BUSY LAMP FIELD/DIRECT STA SEL	B07B-1075-B001				1				1	
1025	STAND-ALONE DIU TO 19.2KBPS	F12B-0337-B101				81					
1026	DATA TERMINAL ADAPTER	F10B-0705-K001				14		2	1	2	2
1027	HAC DT100A 14B W/O SPEAKERPHONE	F10B-0705-B011				10		1	1	1	2
1028	HAC DT200B 14B DISPLAY SPKRPHONE	F10B-0707-B111				43	2	3	2	3	2
1029	EMML TERMINAL (IBM PC BASED)	301977-04				1					
1030	P/TRONIC E-SUPRA 1-EAR OVER/HEAD	769084-03				1				1	
1031	CLOCK SYNC CABLE (ISDN/PRI&T1)	E660-2506-T983#1				1					
1032	(Reserved)	(Reserved)									
1033	(Reserved)	(Reserved)									
1034	E&M TRUNK/PFT CABLE	E660-2506-T662#8				2					
1035	ATT POWER (EG CONNECTION)	E660-2506-T662#9				1					
1036	CABLE, MDC-MODEM CABLE A	E660-2506-T760#5				2					
1037	R4 MCPR S/W RTU-[redacted] CONFIG	360114-04				1					
1038	R4 MCPR S/W RTU-[redacted] CONFIG	360231-04									
1039	R4 EMML SOFTWARE	301976-04				1					
1040	R4 TP/TV SOFTWARE	360061-04				1					
1041	R4 MS/S FLOPPY DISK BOOT SOFTWARE	360192-04				1					
1042	SYSTEM FORWARDING ENHANCEMENT	360233-07				1					
1043	PRIMARY RATE INTERFACE SOFTWARE	360233-04				1					
1044	M/MS ENGINEERED NET/DATA DATABASE	SW009600-MN3				1					
1045	CUSTOM ENGNRING FOR M/MS DATABS	SW009800-MNC				1					
1046	ATTENDANT CONSOLE QUICK REF GUIDE	D110-042-004				1				1	
1047	SINGLE LINE TEL QUICK REF GUIDE	D110-045-004				214	5	5	5	5	6
1048	DIGITAL TELEPHONE QUICK REF GUIDE	D110-051-004				53	2	4	3	4	4
1049	DATA INTERFC UNIT QUICK REF GUIDE	D110-049-004				81					
1050	DATA TERM ADAPTER QUICK REF GUIDE	D110-053-004				14		2	1	2	2
1051	36-PORT TELECONFERENCING SYSTEM	TEMPO MB									
1052	04-PORT TCNF SYSTEM EXPANSION CD	TEMPO MB 4P									
1053	SINGLE LINE TELEPHONES	PREM 2500				95	5	5	5	5	6
1054	SLT SPEAKERPHONE UNIT	KX-T1020				24	1	1	2	1	1
1055	SLT AMPLIFIED HANDSET	W-6				5			1		
1056	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4				1					
1057	POWER SUPPLY SUBSYSTEM	PS-48V				1					
1058	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V									
1059	INITIAL SPARE PARTS KIT	Not Applicable				1					
1060	OPPM - HOURLY CHARGE	Not Applicable					56	96	96	96	96
1061	VOICE STATION LINES/DID EQUIPPED	Not Applicable				149	7	9	8	10	10

SOLICITATION: RS-IRM-90-215
SCHEDULE B - ITEMIZED PRICE LIST - LTOP-48, INSTALLATION AND MAINTENANCE
COLUMN A - REGION/LOCATION # REGION V: Walnut Creek CA LOT: 4

FILE NAME: NRCF
DATE 05/06
TIME 10:32

CLIN NO.	C ITEM DESCRIPTION/NOMENCLATURE	E PART NUMBER	G LTOP-48	I INSTALL	K MO/MNT	N 1/CO	O 13	Q 25	R 37	S 49	T +YR5
			****** UNIT PRICES ******			********** QUANTITIES **********					
1001	[redacted] ANALOG MASTER PACK-R4	360366-01				1					
1002	[redacted] DIGITAL MASTER PACK-R4	360365-02									
1003	BASIC LTU PACK FOR LTUP [redacted] XL/M	360341-01									
1004	BASIC LTU PACK FOR [redacted] TUP MS	360340-01				3				1	
1005	MESS WAITING RINGER GENERATOR PK	360349-01				1					
1006	ISDN PRI TRUNK PACK	360347-01				1					
1007	PERIPHERAL BUS CTL CARTD 4-DMA	E16B-3008-R540				1					
1008	SWITCHING NETWORK CARD B	E16B-3002-R010				1					
1009	CLOCK DISRIBUTOR CARD	E16B-3005-R350				1					
1010	SINGLE LINE TELEPHONE CARD	E16B-3003-R310				1			1		
1011	CPS LINE CARD	E16B-3008-R250				15					
1012	DIGITAL LINE CARD - 16 2B+D	E16B-3009-R150				9				1	
1013	CO BOTHWAY TRUNK CARD A (600 OHM)	E16B-3009-R170				3					
1014	ONE WAY DID TRUNK CARD	E16B-3009-R770				2					
1015	ISDN/PRI&T1 TRUNKS W/SYNC ADP/CD	E16B-3006-R950				1					
1016	MIXER TRUNK CARD	E16B-3001-R460									1
1017	CONFERENCE TRUNK CARD	E16B-3001-R470				1					
1018	POWER FAILURE TR/ SFER CARD	E16B-3003-R270				1					
1019	NIGHT BELL/CODE CALL I/F CARD	E16B-3003-R280				1					
1020	CHARACTER TRUNK CARD	E16B-3007-R430				2					
1021	MODEM POOL CONTROLLER CARD	E16B-3003-R560				1					
1022	ATTENDANT LINE CARD	E16B-3009-R740				1					
1023	MAC-ATTENDANT CONSOLE	B07B-1074-B401				1				1	
1024	BUSY LAMP FIELD/DIRECT STA SEL	B07B-1075-B001				1				1	
1025	STAND-ALONE DIU TO 19.2KBPS	F12B-0337-B101				81					
1026	DATA TERMINAL ADAPTER	F10B-0705-K001				14		2	1	2	2
1027	MAC DT100A 14B W/O SPEAKERPHONE	F10B-0705-B011				10		1	1	1	2
1028	MAC DT200B 14B DISPLAY SPKRPHONE	F10B-0707-B111				43	2	3	2	3	2
1029	EMML TERMINAL (IBM PC BASED)	301977-04				1					
1030	P/TRONIC E-SUPRA 1-EAR OVER/HEAD	769084-03				1				1	
1031	CLOCK SYNC CABLE (ISDN/PRI&T1)	E660-2506-T983#1				1					
1032	(Reserved)	(Reserved)									
1033	(Reserved)	(Reserved)									
1034	E&M TRUNK/PFT CABLE	E660-2506-T662#8				2					
1035	ATT POWER (EG CONNECTION)	E660-2506-T662#9				1					
1036	CABLE: MDC-MODEM CABLE A	E660-2506-T760#5				2					
1037	R4 MCPR S/W RTU-[redacted] CONFIG	360114-04				1					
1038	R4 MCPR S/W RTU-[redacted] CONFIG	360231-04									
1039	R4 EMML SOFTWARE	301976-04				1					
1040	R4 TP/TV SOFTWARE	360061-04				1					
1041	R4 MS/S FLOPPY DISK BOOT SOFTWARE	360192-04				1					
1042	SYSTEM FORWARDING ENHANCEMENT	360233-07				1					
1043	PRIMARY RATE INTERFACE SOFTWARE	360233-04				1					
1044	M/MS ENGINEERED NET/DATA DATABASE	SW009600-MN3				1					
1045	CUSTOM ENGNRING FOR M/MS DATABS	SW009600-MNC				1					
1046	ATTENDANT CONSOLE QUICK REF GUIDE	D110-042-004				1				1	
1047	SINGLE LINE TEL QUICK REF GUIDE	D110-045-004				214	5	5	5	5	6
1048	DIGITAL TELEPHONE QUICK REF GUIDE	D110-051-004				53	2	4	3	4	4
1049	DATA INTERFC UNIT QUICK REF GUIDE	D110-049-004				81					
1050	DATA TERM ADAPTER QUICK REF GUIDE	D110-053-004				14		2	1	2	2
1051	36-PORT TELECONFERENCING SYSTEM	TEMPO MB									
1052	04-PORT TCNF SYSTEM EXPANSION CD	TEMPO MB 4P									
1053	SINGLE LINE TELEPHONES	PREM 2500				95	5	5	5	5	6
1054	SLT SPEAKERPHONE UNIT	KX-T1020				24	1	1	2	1	1
1055	SLT AMPLIFIED HANDSET	W-6				5			1		
1056	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4				1					
1057	POWER SUPPLY SUBSYSTEM	PS-48V				1					
1058	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V									
1059	INITIAL SPARE PARTS KIT	Not Applicable				1					
1060	OPPM - HOURLY CHARGE	Not Applicable					56	96	96	96	96
1061	VOICE STATION LINES/DID EQUIPPED	Not Applicable				149	7	9	8	10	10

SOLICITATION: RS-IRM-90-215 FILE NAME: NRCF
SCHEDULE B - ITEMIZED PRICE LIST - LTOP-60, INSTALLATION AND MAINTENANCE DATE 05/06
COLUMN A - REGION/LOCATION = REGION V: Walnut Creek CA LOT: 4 TIME 10:32

CLIN NO.	C ITEM DESCRIPTION/NOMENCLATURE	E PART NUMBER	G LTOP-60	I INSTALL	K MO/MNT	QUANTITIES 1/CO	O 13	Q 25	R 37	S 49	T +YR5
			****** UNIT PRICES ******			**********					
1001	[redacted] ANALOG MASTER PACK-R4	360366-01				1					
1002	[redacted] DIGITAL MASTER PACK-R4	360365-02									
1003	BASIC LTU PACK FOR LTUP [redacted] XL/M	360341-01									
1004	BASIC LTU PACK FOR [redacted] LTUP MS	360340-01				3				1	
1005	MESG WAITING RINGER GENERATOR PK	360349-01				1					
1006	ISDN PRI TRUNK PACK	360347-01				1					
1007	PERIPHERAL BUS CTL CARTD 4-DMA	E16B-3008-R540				1					
1008	SWITCHING NETWORK CARD B	E16B-3002-R010				1					
1009	CLOCK DISRIBUTOR CARD	E16B-3005-R350				1					
1010	SINGLE LINE TELEPHONE CARD	E16B-3003-R310				1			1		
1011	OPS LINE CARD	E16B-3008-R250				15					
1012	DIGITAL LINE CARD - 16 2B+D	E16B-3009-R150				9				1	
1013	CO BOTHWAY TRUNK CARD A (600 OHM)	E16B-3009-R170				3					
1014	ONE WAY DID TRUNK CARD	E16B-3009-R770				2					
1015	ISDN/PRI&T1 TRUNKS W/SYNC ADP/CD	E16B-3006-R950				1					
1016	MIXER TRUNK CARD	E16B-3001-R460									1
1017	CONFERENCE TRUNK CARD	E16B-3001-R470				1					
1018	POWER FAILURE TRANSFER CARD	E16B-3003-R270				1					
1019	NIGHT BELL/CODE CALL I/F CARD	E16B-3003-R280				1					
1020	CHARACTER TRUNK CARD	E16B-3007-R430				2					
1021	MODEM POOL CONTROLLER CARD	E16B-3003-R560				1					
1022	ATTENDANT LINE CARD	E16B-3009-R740				1					
1023	HAC-ATTENDANT CONSOLE	8078-1074-B420				1				1	
1024	BUSY LAMP FIELD/DIRECT STA SEL	8078-1075-B001				1				1	
1025	STAND-ALONE DIU TO 19.2KBPS	F12B-0337-B100				81					
1026	DATA TERMINAL ADAPTER	F10B-0705-K000				14		2	1	2	2
1027	HAC DT100A 14B W/O SPEAKERPHONE	F10B-0705-B011				10		1	1	1	2
1028	HAC DT200B 14B DISPLAY SPKRPHONE	F10B-0707-B111				43	2	3	2	3	2
1029	EMML TERMINAL (IBM PC BASED)	301977-04				1					
1030	P/TRONIC E-SUPRA 1-EAR OVER/HEAD	769084-03				1				1	
1031	CLOCK SYNC CABLE (ISDN/PRI&T1)	E660-2506-T883#1				1					
1032	(Reserved)	(Reserved)									
1033	(Reserved)	(Reserved)									
1034	E&M TRUNK/PFT CABLE	E660-2506-T662#8				2					
1035	ATT POWER (EG CONNECTION)	E660-2506-T662#9				1					
1036	CABLE: MDC-MODEM CABLE A	E660-2506-T760#5				2					
1037	R4 MCPR S/W RTU [redacted] CONFIG	360114-04				1					
1038	R4 MCPR S/W RTU [redacted] CONFIG	360231-04									
1039	R4 EMML SOFTWARE	301976-04				1					
1040	R4 TP/TV SOFTWARE	360061-04				1					
1041	R4 MS/S FLOPPY DISK BOOT SOFTWARE	360192-04				1					
1042	SYSTEM FORWARDING ENHANCEMENT	360233-07				1					
1043	PRIMARY RATE INTERFACE SOFTWARE	360233-04				1					
1044	M/MS ENGINEERED NET/DATA DATABASE	SW009600-MN3				1					
1045	CUSTOM ENGNRING FOR M/MS DATABS	SW009600-MNC				1					
1046	ATTENDANT CONSOLE QUICK REF GUIDE	D110-042-004				1				1	
1047	SINGLE LINE TEL QUICK REF GUIDE	D110-045-004				214	5	5	5	5	6
1048	DIGITAL TELEPHONE QUICK REF GUIDE	D110-051-004				53	2	4	3	4	4
1049	DATA INTERFC UNIT QUICK REF GUIDE	D110-049-004				81					
1050	DATA TERM ADAPTER QUICK REF GUIDE	D110-053-004				14		2	1	2	2
1051	36-PORT TELECONFERENCING SYSTEM	TEMPO MB									
1052	04-PORT TCNF SYSTEM EXPANSION CD	TEMPO MB 4P									
1053	SINGLE LINE TELEPHONES	PREM 2500				95	5	5	5	5	6
1054	SLT SPEAKERPHONE UNIT	KX-T1020				24	1	1	2	1	1
1055	SLT AMPLIFIED HANDSET	W-6				5			1		
1056	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4				1					
1057	POWER SUPPLY SUBSYSTEM	PS-48V				1					
1058	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V									
1059	INITIAL SPARE PARTS KIT	Not Applicable				1					
1060	OPPM - HOURLY CHARGE	Not Applicable					56	96	96	96	96
1061	VOICE STATION LINES/DID EQUIPPED	Not Applicable				149	7	9	8	10	10

SOLICITATION: RS-IRM-90-215
SCHEDULE C - INTEREST RATES AND FACTORS
COLUMN A - REGION/LOCATION = ANY REGION or LOCATION

FILE NAME: NRCF
DATE 05/06
TIME 10:32

LOTS: 1-4

B	D	F	H*	J* (J=H)	L*
TERM (IN MONTHS)	MARGIN	TREASURY CONSTANT MATURITY TERM	TREASURY CONSTANT MATURITY RATE	LTOP INTEREST RATE	LTOP INTEREST FACTOR
LTOP-24	8.00%	2-YEAR	6.91%		
LTOP-36	8.00%	3-YEAR	7.17%		
LTOP-48	8.00%	5-YEAR	7.50%		
LTOP-60	8.00%	5-YEAR	7.66%		

* Subject to change, based upon the Federal Reserve Statistical Release G.13 in effect.

TERMINATION LIABILITY SCHEDULE

(See next page.)

TERMINATION LIABILITY SCHEDULE

(Expressed as % of Purchase Price)

For LTOP plans, canceled at end of month

MO	LTOP-24	LTOP-36	LTOP-48	LTOP-60
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
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16				
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20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34			0.00%	
35			0.00%	
36			0.00%	
37				
38				
39				
40				
41				
42				
43				0.00%
44				0.00%
45				0.00%
46				0.00%
47				0.00%
48				0.00%
49				
50				
51				
52				0.00%
53				0.00%
54				0.00%
55				0.00%
56				0.00%
57				0.00%
58				0.00%
59				0.00%
60				0.00%

SOLICITATION: RS-IRM-90-215
SCHEDULE D - TARIFFED CHARGES
COLUMN A - REGION/LOCATION = REGION V: Walnut Creek CA LOT: 4

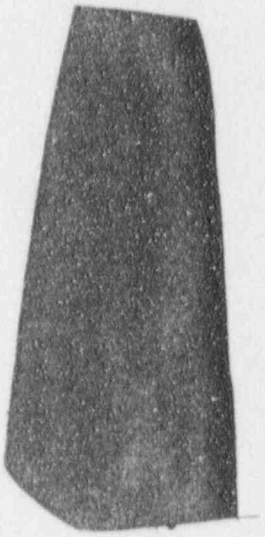
FILE NAME: NRCF
DATE 05/06
TIME 12:47

A CLIN NO.	C ITEM DESCRIPTION/NOMENCLATURE		Y TARIFF (LEC) REFERENCE	E NONRECUR UNIT PRICE	G RECUR UNIT PRICE	I INCREMENTAL QTY PERIODS 01-60 *	K 13-60	N 25-60	O 37-60	Q 49-60 **
4001	CO LOOP	Line	PACIFIC BELL			34				42
4002	DID	Line	PACIFIC BELL			13				16
4003	DID	Station/20 Stations	PACIFIC BELL			8				10
4004	CO FTS2000	Access Line	PACIFIC BELL	Unknown		16				19
4005	FX	Line	PACIFIC BELL			4				5
4006	OUT WATTS	Line	PACIFIC BELL			3				4
4007	OUT WATTS	Hours 0-5	PACIFIC BELL			3				4
4008	OUT WATTS	Hours 5.1-15	PACIFIC BELL							
4009	OUT WATTS	Hours 15.1-30	PACIFIC BELL							
4010	OUT WATTS	Hours 30.1-XXX	PACIFIC BELL							
4011	OUT WATTS	Setup Fee Per Call	PACIFIC BELL							
4012	OPX	Line	PACIFIC BELL			119				128
4013	OPX	Mileage Fee	PACIFIC BELL		Unknown					
4014	T-1 ACCESS		PACIFIC BELL	Unknown	Unknown					1

Above tariff data and costs were acquired from LEC's, if they were willing and cooperative.
Not all of the LEC's furnished all of the data; they needed factors not defined in the RFP.
Therefore --- although this Offeror attempted to gather the required cost data
--- the final, true data and costs must be negotiated between the LEC's and the Government.
It is possible that significant under/overcharges are stated above.

* RFP specifies "EQUIPPED CAPACITY"; we assumed at cutover.
** RFP specifies "PROJECTED MAXIMUM CAPACITY"; we assumed YEAR 5.

CLIN	ITEM DESCRIPTION/NOMENCLATURE	PRICE
5001	CABLE REMOVAL, PER JOB	
5002	DE-INSTALL AND PKG EXIST SYST, JOB	
5003	EQUIPMENT USER TRAINING, PER STUDENT	
5004	CONSOLE TRAINING, PER STUDENT	
5005	ALL OTHER TRAINING, PER SESSION	
5006	INITIAL SYSTEMS DRAWINGS, SET	
5007	UPDATED SYSTEMS DRAWINGS, SET	
5008	SITE VISITATION CHARGES, PER VISIT	
5009	DISCONNECTS, PER STATION	
5010	STATION MOVES WITH 100' CABLING, EA	
5011	REPROGRAMMING, PER HOUR	
5012	MISCELLANEOUS WORK, PER HOUR	
5013	SITE PREPARATION, JOB	
5014	DETAILED STATION REVIEWS, EA	
5015	INSTALL NEW CABLES, EA	
5016	INSTALL & MAINTAIN CABLE FOR PROP STA EQUIP, EA	
5017	MANUALS, MAINTENANCE & OPERATOR, SET	



Government Telecommunications Inc.
7/10/91

Schedule F
Equipment Room Requirements

Site	Item Description	Insert total Required for Period Beginning with month: 0	13	25	37	49
Region 5	Power Consumed	2.235	2.235	2.235	2.235	2.235
	Heat Dissipated	5.64	5.64	5.64	5.64	5.64
	Equipment Room Space required	34.5	34.5	34.5	34.5	34.5
	Evaluated Power Cost	[redacted]				
	Evaluated Space Cost					
	Totals for Power =					
	Totals for Space =					
	Total Cost =					

REV 3 11/20

BAFO

SOLICITATION: RS-IRM-92-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO#2 FILE NRC

SCHEDULE B - ITEMIZED PRICE LIST - LTOP-24, INSTALLATION AND MAINTENANCE DATE 11/20

REGION V: Walnut Creek CA LOT 4 TIME 15:05

CLIN NO.	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	UNIT PRICE G LTOP-24	UNIT PRICE I INSTALL	UNIT PRICE K MO/MNT	QUANTITIES N YR-1	QUANTITIES O YR-2	QUANTITIES Q YR-3	QUANTITIES R YR-4	QUANTITIES S YR-5
1001	[redacted] SGL LINE SET W/O MW	260100MOE20M	[redacted]			110	6	6	6	8
1002	RS EMML SOFTWARE	301976-05				1				
1003	RS TP/TV SOFTWARE	360061-05				1				
1004	RS MCPR S/W RTU [redacted] CONFIG	360114-05				1				
1005	RS MS/S FLOPPY DISK BOOT SFWE	360192-05				1				
1006	RS PREFORMATTED BLANK DISK	360193-05				15				
1007	RS MCPR S/W RTU [redacted] CONFIG	360231-05								
1008	RS USER DOCUMENTATION PKG	360435-01				1				
1009	BASIC CAB PACK [redacted] EXTF XL/M-RS	360439-01								
1010	BASIC LTU PK FOR LTUP [redacted] M-RS	360441-01								
1011	[redacted] ANALOG MASTER PACK-RS	360443-01								
1012	BASIC CAB PACK [redacted] EXTF MS-RS	360449-01								
1013	[redacted] ANALOG MASTER PACK-RS	360447-01				1				
1014	BASIC LTU PK F [redacted] LTUP MS-RS	360450-01				3				
1015	SYST. FWDING ENHANCEMENT RS	360464-07								
1016	EXPANDED [redacted] EED DIALING CODES RS	360464-10				1				
1017	JOINT TENANT SERVICE RS	360464-12								
1018	P/TRONIC E-SUPRA 1-EAR OVER/HEAD	769084-03				2				
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005				2				
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005				229	6	6	6	8
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005				105	1	1	1	2
1022	DIG TELEPHONE QUICK REF GUIDE	D110-051-005				46	3	2	3	2
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-005				4	1		1	
1024	LTF CABLE A-F276D1 /M	E008-0276-E101								
1025	ALARM SENDER	E068-1356-B101				1				
1026	HAC ATTENDANT CONSOLE	E078-1074-B401				2				
1027	BUSY LAMP FLD/DIRECT STA SELEC	E078-1075-B001				2				
1028	MIXER TRUNK CARD	E168-3001-R480								
1029	4W E&M TIE TRUNK CARD	E168-3001-R990				3				
1030	NIGHT BELL/CODE CALL INTFC CD	E168-3003-R280				1				
1031	SINGLE LINE TELEPHONE CARD	E168-3003-R310				2	1			1
1032	RINGER GENERATOR CARD	E168-3003-R530				1				
1033	MODEM POOL CONTROLLER CARD	E168-3003-R560								
1034	CHARACTER TRUNK CARD	E168-3007-R430				2				
1035	OPS LINE CARD	E168-3008-R250				15				
1036	PERIPH BUS CTL CARD 4-DMA	E168-3008-R540				1				
1037	DIGITAL LINE CARD - 16 2B + D	E168-3009-R150				11				
1038	CO LS/GS TK CARD A (Std 600 OHM)	E168-3009-R170				3				
1039	ONE WAY DID TRUNK CARD	E168-3009-R770				2				
1040	SWITCHING NETWORK CARD B RS	E168-3015-R590				1				
1041	ATTENDANT LINE CARD RS	E168-3015-R830				1				
1042	POWER FAILURE TRANSFER CARD	E168-9900-R000				1				
1043	CABLE DUCT	E210-0042-T512#USA				1				
1044	ATT POWER (EH CONNECTION)	E680-2506-T662#10								
1045	E&M TRUNK/PFT CABLE	E680-2506-T662#8				5				
1046	ATT POWER (EG CONNECTION)	E680-2506-T662#9				1				
1047	CABLE, MDC-MODEM CABLE A	E680-2506-T760#5								
1048	DATA TERMINAL ADAPTER	F108-0705-K001				4	1		1	
1049	HAC DT101B 28B SPEAKERPHONE	F108-0706-B111				45	3	2	3	2
1050	STAND-ALONE DIU TO 19.2 KBPS	F128-0337-B101				105	1	1	1	2
1051	MS/M ENGRD NET/DATA D/B SW	SW009600 MN1				1				
1052	CUST ENGRG FOR M/MS DATABASE	SW009600 MNC				1				
1053	EMML TERMINAL (IBM PC BASED)	QTIEMML				1				
1054	36-PORT TELECONFERENCING SYSTEM	TEMPO MB								
1055	SLT SPEAKERPHONE UNIT	KX-T1020				28	1	2	1	2
1056	SLT AMPLIFIED HANDSET	W-6				6		1		
1057	MANAGEMENT SYSTEM w/4 CRT	GTVTSUMS-4				1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V				1				
1059	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V								
1060	INITIAL SPARE PARTS KIT	Not Applicable				1				
1061	OPPM - HOURLY CHARGE	Not Applicable				56	96	96	96	96
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable				156	9	8	10	10
1063	(Reserved)	(Reserved)								

SOLICITATION: RS-NRM-82-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO#2 FILE NRC

SCHEDULE B - ITEMIZED PRICE LIST - LTOP-36, INSTALLATION AND MAINTENANCE DATE 11/20

REGION V: Walnut Creek CA LOT 4 TIME 15:06

CLIN NO.	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	UNIT PRICE G LTOP-36	UNIT PRICE I INSTALL	UNIT PRICE K MO/MNT	QUANTITIES N YR-1	QUANTITIES O YR-2	QUANTITIES Q YR-3	QUANTITIES R YR-4	QUANTITIES S YR-5
1001	[redacted]/GL LINE SET W/O MW	260100MOE20M				110	6	6	6	8
1002	R5 EMML SOFTWARE	301976-06				1				
1003	R5 IP/TV SOFTWARE	360061-05				1				
1004	R5 MCPR S/W RTU [redacted] CONFIG	360114-05				1				
1005	R5 MS/S FLOPPY DISK BOOT SFWE	360192-05				15				
1006	R5 PREFORMATTED BLANK DISK	360193-05								
1007	R5 MCPR S/W RTU [redacted] CONFIG	360231-05				1				
1008	R5 USER DOCUMENTATION PKG	360435-01								
1009	BASIC CAB PACK [redacted] TF XL/M-R5	360439-01								
1010	BASIC LTU PK FOR LTUP [redacted] M-R5	360441-01								
1011	[redacted] ANALOG MASTER PACK-R5	360443-01								
1012	BASIC CAB PACK [redacted] TF MS-R5	360449-01								
1013	[redacted] ANALOG MASTER PACK-R5	360447-01				1				
1014	BASIC LTU PK FO[redacted] LTUP MS-R5	360450-01				3				
1015	SYST FWDING ENHANCEMENT R5	360454-07								
1016	EXPANDED SPEED DIALING CODES R5	360454-10				1				
1017	JOINT TENANT SERVICE R5	360454-12								
1018	P/TRONIC E-SUPRA 1-EAR OVER/HEAD	769084-03				2				
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005				2				
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005				229	6	6	6	8
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005				105	1	1	1	2
1022	D:G TELEPHONE QUICK REF GUIDE	D110-051-005				45	3	2	3	2
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-005				4	1		1	
1024	LTF CABLE A-F27801 /M	E008-0276-E101								
1025	ALARM SENDER	E068-1356-B101				1				
1026	HAC-ATTENDANT CONSOLE	E078-1074-B401				2				
1027	BUSY LAMP FLD/DIRECT STA SELEC	E078-1075-B001				2				
1028	MIXER TRUNK CARD	E168-3001-R450								
1029	4W E&M TIE TRUNK CARD	E168-3001-R990				3				
1030	NIGHT BELL/CODE CALL INTFC CD	E168-3003-R280				1				
1031	SINGLE LINE TELEPHONE CARD	E168-3003-R310				2	1			1
1032	RINGER GENERATOR CARD	E168-3003-R530				1				
1033	MODEM POOL CONTROLLER CARD	E168-3003-R560								
1034	CHARACTER TRUNK CARD	E168-3007-R430				2				
1035	OPS LINE CARD	E168-3008-R250				15				
1036	PERIPH BUS CTL CARD 4-DMA	E168-3008-R540				1				
1037	DIGITAL LINE CARD - 16 2B + D	E168-3009-R150				11				
1038	CO LS/GS TK CARD A (Std 600 OHM)	E168-3009-R170				3				
1039	ONE WAY DID TRUNK CARD	E168-3009-R770				2				
1040	SWITCHING NETWORK CARD B R5	E168-3015-R590				1				
1041	ATTENDANT LINE CARD R5	E168-3015-R830				1				
1042	POWER FAILURE TRANSFER CARD	E168-9900-R000				1				
1043	CABLE DWCT	E210-0042-T512#USA								
1044	ATT POWER (EM CONNECTION)	E660-2506-T662#10				5				
1045	E&M TRUNK/PKT CABLE	E660-2506-T662#8				1				
1046	ATT POWER (EG CONNECTION)	E660-2506-T662#9								
1047	CABLE, MDC-MODEM CABLE A	E660-2506-T750#5				4	1		1	
1048	DATA TERMINAL ADAPTER	F108-0705-K001				45	3	2	3	2
1049	HAC DT1018 288 SPEAKERPHONE	F108-0706-B111				105	1	1	1	2
1050	STAND-ALONE DRU TO 19.2 KBPS	F128-0337-B101				1				
1051	MS/M ENGRD NET/DATA D/B SW	SW009600 MN1				1				
1052	CUST ENGRG FOR M/MS DATABASE	SW009600 MNC				1				
1053	EMML TERMINAL (IBM PC BASED)	GTEMML								
1054	38-PORT TELECONFERENCING SYSTEM	TEMPO MB				28	1	2	1	2
1055	SLT SPEAKERPHONE UNIT	KX-T1020				6		1		
1056	SLT AMPLIFIED HANDSET	W-6				1				
1057	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4				1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V								
1059	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V				1				
1060	INITIAL SPARE PARTS KIT	Not Applicable				56	96	96	96	96
1061	OPPM - HOURLY CHARGE	Not Applicable				156	9	8	10	10
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable								
1063	(Reserved)	(Reserved)								

SOLICITATION: RS-IRM-82-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO#2 FILE NRC

SCHEDULE B - ITEMIZED PRICE LIST - LTOP-48, INSTALLATION AND MAINTENANCE DATE 11/20

REGION V: Walnut Creek CA LOT 4 TIME 15:06

CLIN NO.	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	UNIT PRICE G LTOP-48	UNIT PRICE I INSTALL	UNIT PRICE K MO/MNT	QUANTITIES N YR-1	O YR-2	Q YR-3	R YR-4	S YR-5
1001	[redacted] SGL LINE SET W/O MW	260100MOE20M				110	6	6	6	6
1002	R5 EMML SOFTWARE	301976-05				1				
1003	R5 TP/TY SOFTWARE	350061-05				1				
1004	R5 MCPR S/W RTU [redacted] CONFIG	350114-05				1				
1005	R5 MS/S FLOPPY DISK BOOT SFWE	360192-05				15				
1006	R5 PREFORMATTED BLANK DISK	360193-05								
1007	R5 MCPR S/W RTU [redacted] CONFIG	360231-05				1				
1008	R5 USER DOCUMENTATION PKG	360435-01								
1009	BASIC CAB PACK [redacted] XL/M-R5	360439-01								
1010	BASIC LTU PK FOR LTU [redacted] M-R5	360441-01								
1011	[redacted] ANALOG MASTER PACK R5	360442-01								
1012	BASIC CAB PACK [redacted] TF MS-R5	360449-01				1				
1013	[redacted] ANALOG MASTER PACK-R5	360447-01				3				
1014	BASIC LTU PK FOR [redacted] P MS-R5	360450-01								
1015	SYST FWDING ENHANCEMENT R5	360454-07				1				
1016	EXPANDED SPEED DIAL CODES R5	360464-10								
1017	JOINT TENANT SERVICE R5	360464-12				2				
1018	P/TRONIC E-SUPRA 1-EAR OVER/HEAD	769084-03				2				
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005				229	6	6	6	8
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005				105	1	1	1	2
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005				45	3	2	3	2
1022	DIG TELEPHONE QUICK REF GUIDE	D110-051-005				4	1		1	
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-005								
1024	LTF CABLE A F276D1 /M	E008-0276-E101				1				
1025	ALARM SENDER	E068-1356-B101				2				
1026	HAC ATTENDANT CONSOLE	E078-1074-B401				2				
1027	BUSY LAMP FLD/DIRECT STA SELEC	E078-1075-B001								
1028	MIXER TRUNK CARD	E168-3001-R460				3				
1029	4W E&M TIE TRUNK CARD	E168-3001-R990				1				
1030	NIGHT BELL/CODE CALL INTFC CD	E168-3003-R280				2	1			1
1031	SINGLE LINE TELEPHONE CARD	E168-3003-R310				1				
1032	RINGER GENERATOR CARD	E168-3003-R530								
1033	MODEM POOL CONTROLLER CARD	E168-3003-R560				2				
1034	CHARACTER TRUNK CARD	E168-3007-R430				15				
1035	OPS LINE CARD	E168-3008-R250				1				
1036	PERIPH BUS CTL CARD 4-DMA	E168-3008-R540				11				
1037	DIGITAL LINE CARD - 16 2B + D	E168-3009-R150				3				
1038	CO LS/GS TK CARD A (Std 600 OHM)	E168-3009-R170				2				
1039	ONE WAY DID TRUNK CARD	E168-3009-R770				1				
1040	SWITCHING NETWORK CARD B R5	E168-3015-R590				1				
1041	ATTENDANT LINE CARD R5	E168-3015-R830				1				
1042	POWER FAILURE TRANSFER CARD	E168-9900-R000				1				
1043	CABLE DUCT	E210-0042-T512#USA								
1044	ATT POWER (EH CONNECTION)	E680-2506-T662#10				5				
1045	E&M TRUNK/PFT CABLE	E680-2506-T662#8				1				
1046	ATT POWER (EG CONNECTION)	E680-2506-T662#9								
1047	CABLE, MDC MODEM CABLE A	E680-2506-T750#5				4	1		1	
1048	DATA TERMINAL ADAPTER	F108-0705-K001				45	3	2	3	2
1049	HAC DT101B 2BB SPEAKERPHONE	F108-0706-B111				106	1	1	1	2
1050	STAND-ALONE DRU TO 19.2 KBPS	F128-0337-B101				1				
1051	MS/M ENGRD NET/DATA D/B SW	SW009500 MN1				1				
1052	CUST ENGRG FOR M/MS DATABASE	SW009600 MNC				1				
1053	EMML TERMINAL (IBM PC BASED)	GTE MML								
1054	36-PORT TELECONFERENCING SYSTEM	TEMPO MB				28	1	2	1	2
1055	SLT SPEAKERPHONE UNIT	KX-T1020				8		1		
1056	SLT AMPLIFIED HANDSET	W-8				1				
1057	MANAGEMENT SYSTEM w/4 CRT	GTVTSI/MS-4				1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V								
1059	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V				1				
1060	INITIAL SPARE PARTS KIT	Not Applicable				56	96	96	96	96
1061	OPPM - HOURLY CHARGE	Not Applicable				156	9	8	10	10
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable								
1063	(Reserved)	(Reserved)								

SOLICITATION: RS-IRM-92-344 U.S. NUCLEAR REGULATORY COMMISSION BAFO#2 FILE NRC

SCHEDULE B - ITEMIZED PRICE LIST - LTOP-80, INSTALLATION AND MAINTENANCE DATE 11/20

REGION V: Walnut Creek CA LOT 4 TIME 15:06

CLIN NO.	C ITEM DESCRIPTION OR NOMENCLATURE	E MODEL OR PART NUMBER	UNIT PRICE G LTOP-80	I INSTALL	K MO/MNT	QUANTITIES M YR-1	N YR-2	O YR-3	R YR-4	S YR-5
1001	[redacted]GL LINE SET W/O MW	260100MOE20M				110	8	8	8	8
1002	RS EMML SOFTWARE	301976-06				1				
1003	RS TP/TV SOFTWARE	260061-05				1				
1004	RS MCPR S/W RTU [redacted] CONFIG	360114-06				1				
1005	RS MS/S FLOPPY DISK BOOT SFWE	360192-06				1				
1006	RS PREFORMATTED BLANK DISK	360193-06				15				
1007	RS MCPR S/W RTU [redacted] CONFIG	360231-05								
1008	RS USER DOCUMENTATION PKG	360435-01				1				
1009	BASIC CAB PACK [redacted] XTF XL/M-RS	360439-01								
1010	BASIC LTU PK FOR LTUP [redacted] M-RS	360441-01								
1011	[redacted] ANALOG MASTER PACK RS	360443-01								
1012	BASIC CAB PACK [redacted] TF MS-RS	360449-01								
1013	[redacted] ANALOG MASTER PACK-RS	360447-01				1				
1014	BASIC LTU PK FOR [redacted] TUP MS RS	360450-01				3				
1015	SYST FWDING ENHANCEMENT RS	360464-07								
1016	EXPANDED SPEED DIALING COS G RS	360464-10				1				
1017	JOINT TENANT SERVICE RS	360464-12								
1018	P/TRONIC E-SUPRA 1-EAR OVER/HEAD	769084-03				2				
1019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005				2				
1020	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005				229	8	8	8	8
1021	DATA INTFC UNIT QUICK REF GUIDE	D110-049-005				105	1	1	1	2
1022	DIG TELEPHONE QUICK REF GUIDE	D110-051-005				45	3	2	3	2
1023	DATA TERM ADPTR QUICK REF GUIDE	D110-053-005				4	1		1	
1024	LTF CABLE A-F27SD1 /M	E008-0276-E101								
1025	ALARM SENDER	F068-1356-B101				1				
1026	HAC-ATTENDANT CONSOLE	E078-1074-B401				2				
1027	BUSY LAMP FLD/DIRECT STA SELEC	E078-1075-B001				2				
1028	MIXER TRUNK CARD	E168-3001-R460								
1029	4W E&M TIE TRUNK CARD	E168-3001-R990				3				
1030	NIGHT BELL/CODE CALL INTFC CD	E168-3003-R280				1				
1031	SINGLE LINE TELEPHONE CARD	E168-3003-R310				2	1			1
1032	RINGER GENERATOR CARD	E168-3003-R530				1				
1033	MODEM POOL CONTROLLER CARD	E168-3003-R560								
1034	CHARACTER TRUNK CARD	E168-3007-R430				2				
1035	OPS LINE CARD	E168-3008-R250				15				
1036	PERIPH BUS CTL CARD 4-DMA	E168-3008-R540				1				
1037	DIGITAL LINE CARD - 16 2B+D	E168-3009-R150				11				
1038	CO LS/GS TK CARD A (Std 600 OHM)	E168-3009-R170				3				
1039	ONE WAY DID TRUNK CARD	E168-3009-R770				2				
1040	SWITCHING NETWORK CARD B RS	E168-3015-R590				1				
1041	ATTENDANT LINE CARD RS	E168-3015-R830				1				
1042	POWER FAILURE TRANSFER CARD	E168-9900-R000				1				
1043	CABLE DUCT	E210-0042-T512/USA				1				
1044	ATT POWER (EH CONNECTION)	E880-2506-T662#10								
1045	E&M TRUNK/PST CABLE	E660-2506-T662#8				5				
1046	ATT POWER (EG CONNECTION)	E660-2506-T662#9				1				
1047	CABLE, MDC-MODEM CABLE A	E880-2506-T760#5								
1048	DATA TERMINAL ADAPTER	F108-0705-K001				4	1		1	
1049	HAC DT1018 28B SPEAKERPHONE	F108-0705-B111				45	3	2	3	2
1050	STAND-ALONE DIU TO 19.2 KBPS	F138-0337-B101				105	1	1	1	2
1051	MS/M ENGRD NET/DATA D/B SW	SW009600 MN1				1				
1052	CUST ENGRG FOR M/MS DATABASE	SW009600 MNC				1				
1053	EMML TERMINAL (IBM PC BASED)	GTIEMML				1				
1054	38-PORT TELECONFERENCING SYSTEM	TEMPO MB								
1055	SLT S/PEAKERPHONE UNIT	KX-T1020				28	1	2	1	2
1056	SLT AMPLIFIED HANDSET	W-6				8		1		
1057	MANAGEMENT SYSTEM w/4 CRT	GTI/TSI/MS-4				1				
1058	POWER SUPPLY SUBSYSTEM	PS-48V				1				
1059	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V								
1060	INITIAL SPARE PARTS KIT	Not Applicable				1				
1061	OPPM - HOURLY CHARGE	Not Applicable				56	96	96	96	96
1062	VOICE STATION LINES/DID EQUIPPED	Not Applicable				158	8	8	10	10
1063	(Reserved)	(Reserved)								

SOLICITATION: RS-IRM-90-215
SCHEDULE E - SERVICE CHARGES - OPTIONAL ITEMS
COLUMN A - REGION/LOCATION = ANY REGION or LOCATION LOTS: 1-4

FILE NAME: NRCF
DATE 06/19
TIME 11:41

CLIN	ITEM DESCRIPTION/NOMENCLATURE	PRICE
5001	CABLE REMOVAL, PER JOB	
5002	DE-INSTALL AND PKG EXIST SYST, JOB	
5003	EQUIPMENT USER TRAINING, PER STUDENT	
5004	CONSOLE TRAINING, PER STUDENT	
5005	ALL OTHER TRAINING, PER SESSION	
5006	INITIAL SYSTEMS DRAWINGS, SET	
5007	UPDATED SYSTEMS DRAWINGS, SET	
5008	SITE VISITATION CHARGES, PER VISIT	
5009	DISCONNECTS, PER STATION	
5010	STATION MOVES WITH 100' CABLING, EA	
5011	REPROGRAMMING, PER HOUR	
5012	MISCELLANEOUS WORK, PER HOUR	
5013	SITE PREPARATION, JOB	
5014	DETAILED STATION REVIEWS, EA	
5015	INSTALL NEW CABLES, EA	
5016	INSTALL & MAINTAIN CABLE FOR PROP STA EQUIP, EA	
5017	MANUALS, MAINTENANCE & OPERATOR, SET	

SOLICITATION: RS-IRM-90-215
SCHEDULE E - SERVICE CHARGES - OPTIONAL ITEMS
COLUMN A - REGION/LOCATION * ANY REGION or LOCATION LOTS: 1-4

FILE NAME: NRCF
DATE 06/19
TIME 11:41

CLIN	ITEM DESCRIPTION/NOMENCLATURE	PRICE
5001	CABLE REMOVAL, PER JOB	
5002	DE-INSTALL AND PKG EXIST SYST, JOB	
5003	EQUIPMENT USER TRAINING, PER STUDENT	
5004	CONSOLE TRAINING, PER STUDENT	
5005	ALL OTHER TRAINING, PER SESSION	
5006	INITIAL SYSTEMS DRAWINGS, SET	
5007	UPDATED SYSTEMS DRAWINGS, SET	
5008	SITE VISITATION CHARGES, PER VISIT	
5009	DISCONNECTS, PER STATION	
5010	STATION MOVES WITH 100' CABLING, EA	
5011	REPROGRAMMING, PER HOUR	
5012	MISCELLANEOUS WORK, PER HOUR	
5013	SITE PREPARATION, JOB	
5014	DETAILED STATION REVIEWS, EA	
5015	INSTALL NEW CABLES, EA	
5016	INSTALL & MAINTAIN CABLE FOR PROP STA EQUIP, EA	
5017	MANUALS, MAINTENANCE & OPERATOR, SET	

SOLICITATION: RS-IRM-90-215
SCHEDULE E - SERVICE CHARGES - OPTIONAL ITEMS
COLUMN A - REGION/LOCATION = ANY REGION or LOCATION LOTS: 1-4

FILE NAME: NRCF
DATE 06/19
TIME 11:41

CLIN	ITEM DESCRIPTION/NOMENCLATURE	PRICE
5001	CABLE REMOVAL, PER JOB	
5002	DE-INSTALL AND PKG EXIST SYST, JOB	
5003	EQUIPMENT USER TRAINING, PER STUDENT	
5004	CONSOLE TRAINING, PER STUDENT	
5005	ALL OTHER TRAINING, PER SESSION	
5006	INITIAL SYSTEMS DRAWINGS, SET	
5007	UPDATED SYSTEMS DRAWINGS, SET	
5008	SITE VISITATION CHARGES, PER VISIT	
5009	DISCONNECTS, PER STATION	
5010	STATION MOVES WITH 100' CABLING, EA	
5011	REPROGRAMMING, PER HOUR	
5012	MISCELLANEOUS WORK, PER HOUR	
5013	SITE PREPARATION, JOB	
5014	DETAILED STATION REVIEWS, EA	
5015	INSTALL NEW CABLES, EA	
5016	INSTALL & MAINTAIN CABLE FOR PROP STA EQUIP, EA	
5017	MANUALS, MAINTENANCE & OPERATOR, SET	

SOLICITATION: RS-IRM-90-215
SCHEDULE E - SERVICE CHARGES - OPTIONAL ITEMS
COLUMN A - REGION/LOCATION = ANY REGION or LOCATION

LOTS: 1-4

FILE NAME: NRCF
DATE 06/19
TIME 11:41

CLIN	ITEM DESCRIPTION/NOMENCLATURE	PRICE
5001	CABLE REMOVAL, PER JOB	
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5008	SITE VISITATION CHARGES, PER VISIT	
5009	DISCONNECTS, PER STATION	
5010	STATION MOVES WITH 100' CABLING, EA	
5011	REPROGRAMMING, PER HOUR	
5012	MISCELLANEOUS WORK, PER HOUR	
5013	SITE PREPARATION, JOB	
5014	DETAILED STATION REVIEWS, EA	
5015	INSTALL NEW CABLES, EA	
5016	INSTALL & MAINTAIN CABLE FOR PROP STA EQUIP, EA	
5017	MANUALS, MAINTENANCE & OPERATOR, SET