## TITLE PAGE

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Technical and Managements Proposal

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TAB I TECHNICAL INFORMATION



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.

The combination of hardware and software from

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

The EPABX is a flexible, digital system that is upgradeable and is compatible with the evolving ISDN standards. In addition, the rise 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 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 provides a high degree of redundancy that is standard. The entire common equipment (down to the port level) within the standard to provide a highly reliable and provide telephone system. The following hardware is fully duplicated in all 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 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.

GT! is proposing the a non-redundant version of the three regions. The is designed to be upgraded to a 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 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 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 state of the NRC's requirements both at the NRCOC and at the regional offices. 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

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, keywoard and an attached 300CPS letter quality dot matrix printer. The system will also contain a 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.

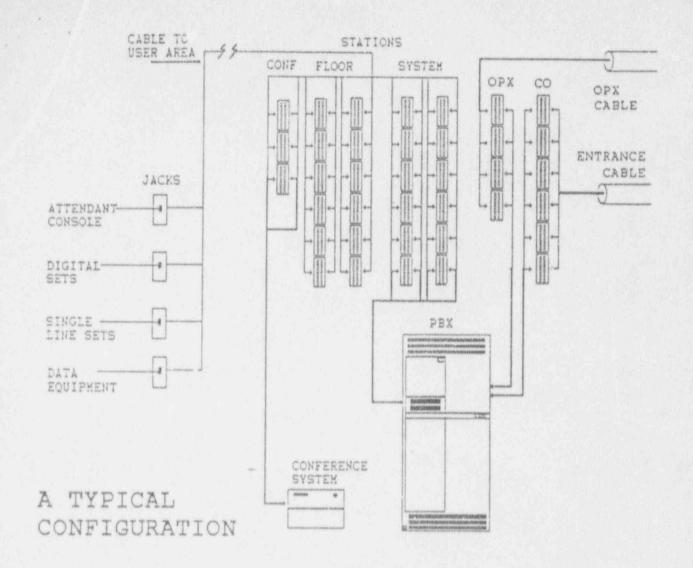
system. The sis a dedicated system that is in constant communication with the PBX. It provides an interface from a MS-DOS machine for programming and traffic analysis of the connected switch.

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

- DataBase Module.
  - o Call Accounting
  - Cost & Budget Allocation
  - Directory/Message Center
  - o Report Writer
- 2. Inventory/Work Order
  - Equipment Cost Allocation
  - o Inventory System
  - Work Order Entry
  - o Technician Time/Charges
- 3. Facilities Management
  - o Trouble Tickets
  - o Cable Tracking
  - o Traffic Analysis
  - Automatic Cable Assignment

The conference bridge proposed is the trom. The product is manufactured in the United States and represents current state-of-the-art in conference bridging. The conference bridge is a third generation system design that links conference together in natural, interactive electronic telephone meetings featuring premium sound quality and consistent audio levels. The 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 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.



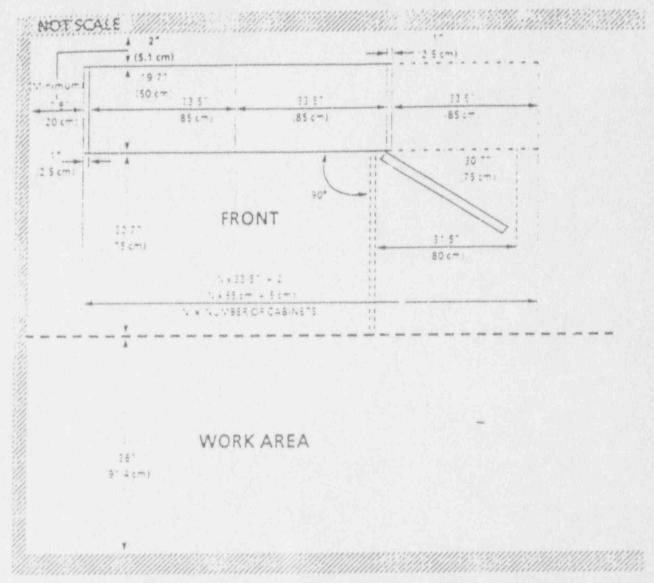
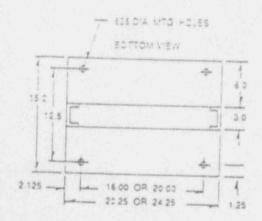


Figure 12.2 Cabinet Floor Plan for Against-a-Wall Configuration

## 5 x 1 5 STD TOP ANGLE 2.2 TOP VIEW 8 312 CR 22 212 X ' 15 FLAT BAR. \* 1 \*\* \*\* \$ ED PRONT VEW \* 0 IS FACK 11 UNITS 2-24 THREAD PONT & PEAR HEIGHT 1 \* 1 2 " 6 125 3 78 1 8 1 SELF-S. PPORTING BASE



ALL DIMENSIONS IN INCHES

## Relay Racks

### GENERAL DESCRIPTION

equipment relay racks are of bolted construction with a brushed aluminum tinish. These racks provide an efficient and rugged means of mounting batten; 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. offers a wide array of relay rack heights from 6 feet through 9 feet in both 19 and 23 inch wide mounting cimensions.

## RELAY RACKS

Model Number	Rack Width	Rack Height* in Ft.	"Available No. of Rack Units
	1 19*	6	3.6
	1 19"	6-1/2	30
	19"	7	43
	1 19"	7-12	46
	19"	6 1	49
	19"	9	5.5
	23"	7	43
	23"	3	49
	23"	9 1	56

\*Deduct 8-3/4" for useable height.

"A rack unit space is equal to 1.75 inches.



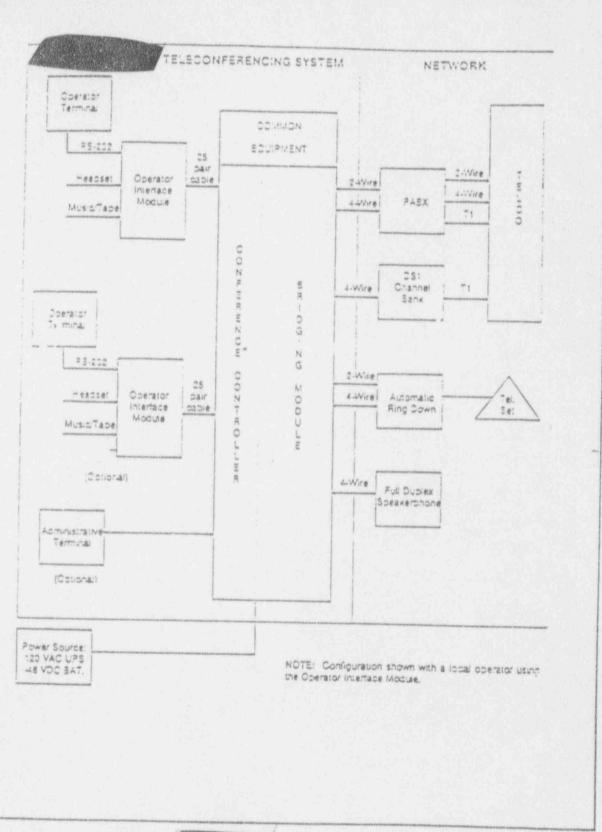


Figure 1-2 system block diagram



## ENVIRONMENTAL SPECIFICATIONS

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

ITEM

Temperature:

Humidity:

Temperature Increase n Cabinet:

CPERATING

40 - 85 deg F (5 to 40 deg C)

20 to 80% AH

77 deg. F (25 deg. C) or less STORAGE

-40 to 151 c 19 F (-40 to 65 reg C)

5 to 95% RH non-condensing 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
Coarating Temperature O to 50°C
Strage Temperature -20 to 60°C
Relative Humidity 0-95%
(noncondensing)
Coaling: Convection



## ENVICONMENTAL

Temperature

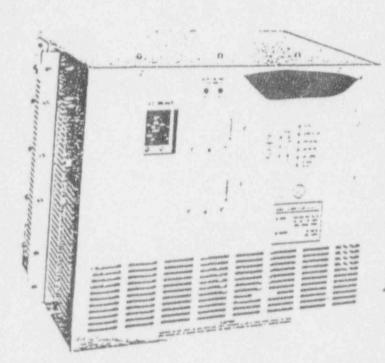
Common Equipment

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-consensing)

Alutude

Operating 0 to 10.000ft. Non-operating 0 to 35,000ft.



## Controlled Ferroresonant Float Chargers for Telecommunications Power Systems

GENERAL DESCRIPTION

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

These chargers provide separate acquistable 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 =12% 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. cutput noise is less than 32 abrn ("C" messag? weighting) and output ripple not exceeding 30 millivolts RMS, on batteries rated in ampere-he ars at four (4) times the rated charger current.

chargers are internally filtered to 32 obrn ("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



#### REGULATION

#### Steady-State

Plus or minus 12% 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 settifier.

#### 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.

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°c 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 poard. 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 challer 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.

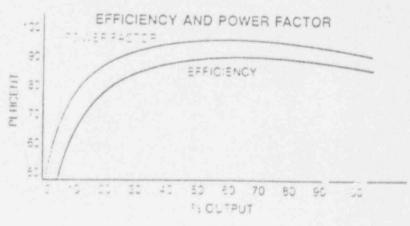
## Rectifier Fail Alarm Indicator A red LED illuminates when a failure has occurred which may disable the

has occurred which may disable the charger. The possible failure conditions include: low current, low output voltage or nigh cutput 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 cropped 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 Floa: 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

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

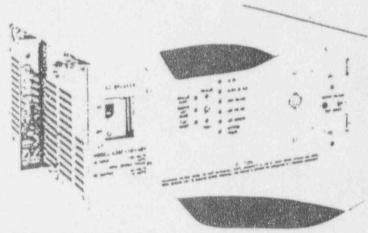
AC Voltage + 10% (see table)

Frequency: 60 Hz + 5°.

(50 Hz optional Consult Factory\*)

Case sice may change with 50Hz unit

"ENOUT DID CUTPUT



	DC _		Lagar to	294		1	==(	DIEC'	TON .	CASE	122227
MODEL	AMPERES	VOL"S		Tring	•	-			OUTPUT		APPROX WEIGHT
	*5A		3	1 -	-	1 5		- 10		29	45
	ACA	164	3.5	-	-	1 5	-	746	224	39	£2
	254		4	2000	-	7.5	-	-	404	29	34
	354		6.5	1	, Maryon	1.00	100	-	40A	39	33
	45A		8	. 1	1.4	115	* 4	~ £	ECA	40 /	2.0
	~5A		1 %	. *	ě	1 20	- 0	10	1004	40	0
	*CDA	120 213	6		. *	1 25	11.5	12.5	13CA	40	120
	150A	240	24	1 3	1 12	30	1.5	1 15 1	200A	40 1	.45
	200A		30	1 16	1.5	40	20	20	300A	90	- ° £0

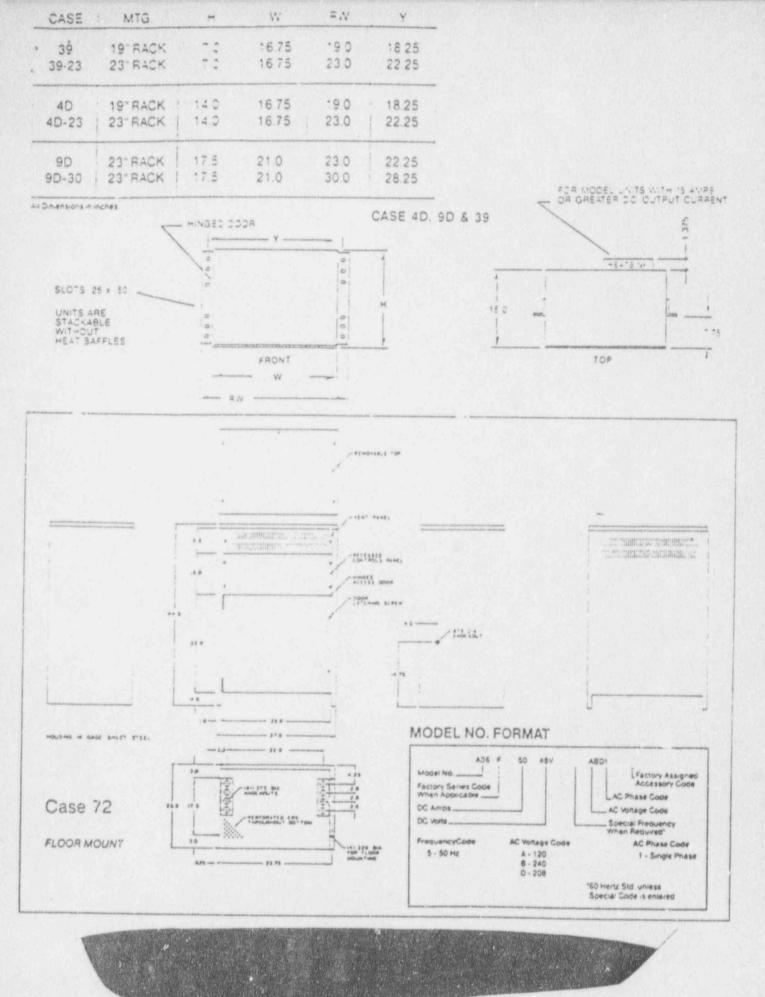
### 21 - 01 5 5 5 5 5 5

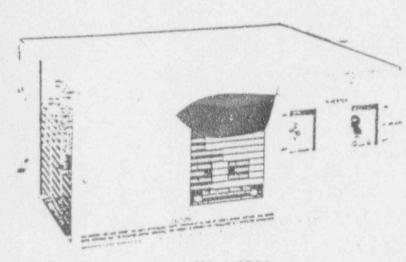
	DC	1147	Serie F	£11			330	TEC	TION	CASE	APPROX
MODEL	AMPERES	VOLTS	-	11/25	1 144			1.147	TUSTUO	NO.	WEIGHT
	1 2A 1		1 4	-	-	1 5	-	1 -	5.1	39	5.5
	1 124	1221	5	-		7 5	-	1 W	1 45 1	39	1 54
	15A		6	-	-	7.5	1 4	-	25A	39	5.5
	1 20A			M	-11	1	(	-	35A	39	1 44
	+ 05A		8	5	4	1.5	. 7.5	7.5	45A	45	22
	20A		11	6	6	+ 5	175	1.5	40A	40	11.5
	1 50A	-95	16	9	8	30	1 15	15	AC8	40	130
	1 75A	120 203	24	1.5	12	40	20	20	100A	40	145
	100A	240	29	16	14	45	20	20	130A	90	180
	150A		48	27	24	60	30	30	2004	90	280
	200A		60	32	30	80	40	40	300A	90	310

#### 48 VOLT D C CUTPUT

	DC	45 mg	AC HARUT AC HI Single Phase				PRO	TEC	TION	CASE	APPROX
MODEL	AMPERES	VOLTS	eves		1494)7			OUTPUT	NO.	WEIGHT	
	-		, 50	204	745	. 52	1 204	240	OUTFUI		
	10A		7	-	46	10	-	-	15A	39	64
	12A	120"	9	100	-	15	444		15A	39	70
	15A		10	-	-	15	-	11	25A	40	110
	20A	120 203	13	7	6	- 5	17.5	. 5	30A	40	116
	25A		15	9	8	35	1:5	15	40A	40	125
	35A		18	5.5	9	30	:5	15	40A	40	133
	1 50A	240	29	16	14	45	20	20	80A	40	180
	TBA		48	27	24	60	30	30	100A	90	260
	100A		60	33	30	85	40	40	130A	90	285
	150A	200.010	-	56	48	X	70	70	200A	72	528
	200	208 243		70	64	X	80	80	300A	72	572

ALL MODELS LISTED IN THE TABLE ABOVE ARE AVAILABLE IN





U.L. LISTED

#### 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 Henz Output' Consult Factory
	240 VAC Output Consult Factory
06L	A.C. Arnmeter (STD IKVA and Larger)
06M	A.C. Voltmeter (STD IKVA and Larger)
06C	D.C. Ammeter
060	D.C. Voltmeter
	D.C. Breakers Consult Factory
	Isolated Duplex Receptacles

<sup>\*</sup> May require larger case

<sup>&</sup>quot; Available on IKVA and arger only



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

#### GENERAL DESCRIPTION

invener is designed for small computers. CRT's and printers.

The are low cost, compact and supply a sine wave output, high reliability is provided by transistor switching and a ferrorespinant transformer which has innerent voltage regulation, output filtering, and overload protest on.

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

Typical applications for the are: Telecommunications. Bu glar and fire alarm systems. Telemetering and Sub-in-sory control. Nuclear and missie installations and Data processing point of sale terminals.

#### 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 herrz 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

#### **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 Henz (50 Henz Optional)
Frequency Regulation: ±.05% (Quanz 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



#### ISE

Less than 32 DBRN to 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% 45 volt models 85%-90% 120 volt models 85%-90%

#### ENVIRONMENTAL

Coerating Temperature C to 50°C Storage Temperature -20 to 60°C Relative Humidity 0-95% "ancondensing) 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:

- 1 431
- 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

Rela	ay Rack Mo	unt
Width	Depth	Height
19 23"	17.01	5.25"
19 20"	15 0	7.0*
19 23"	15.0"	7.0
23"	15.0"	10.5
23"	17.0	17.5
23"	19.5	17.5
	Width 19 23" 19 23" 19 23" 23" 23"	19 23" 15.0" 19 23" 15.0" 23" 15.0" 23" 17.0"

		Floor Mount							
Case	No.	Width	Depth		Height				
-2		23.5"	27.C		44.5"				

<sup>\*</sup> For different case or mounting

#### 24 V 3C INPUT VOLTAGE

Model	D.C. Inpi	ut Amps	A	C. Outpi	d	BTU	lase Size*	Approx.
Number	N.L.	F.L.	VA	Volts	Amps	Hr.	Rack	Weight
	4	60	20	- 20	83	145	808	50 05
	1.5	150	250	. 25	2.08	369	39	6C ±s
	3.0	30.0	510	122	4.17	123	29	75 05
3-1400	3.0	45.0	780	120	5.25	1108	2:	90 04
	8.0	60.0	1225	120	8 33	1473	33	1 120 08
	11	90.0	1520	120	12.50	2:22	-5	1 160 25
AND THE RESERVE	12.0	119.0	2:00	27	16.50	2011	95	175 08

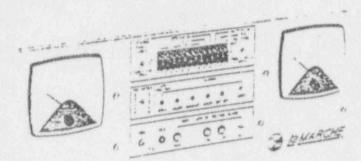
#### 48 VDC INPUT VOLTAGE

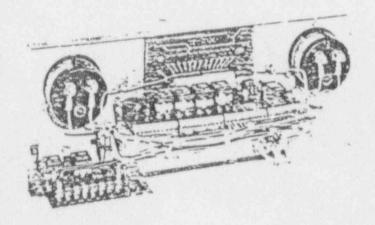
Model	D.C. Inp	ut Amps	A	C. Outpi	J1	BTU	Case Size*	Approx
Number	N.L.	F.L.	VA	Volts	Amps	Hr.	Rack	Weight
a de la companya del companya de la companya del companya de la co	3	3.0	120	120	83	***	618	50 05
No.		6.5	250	.22	2.08	28"	29	1 60 cs
	1.5	13.0	9.00	120	4 17	5"1	29	75 109
	2.5	20.0	*50	120	5 25	1128	33	80 05
	2.0	26.0	1200	120	8.33	1149	33	90 08
	40	390	- 500	120	12.50	1600	90	120 25
	5.0	510	2000	120	16.67	1724	90	175 25
	80	77.0	3000	120	25 00	2596	90	270 05
	100	1010	4000	120	33 33	3446	9.5	310 05
	130	1210	5000	120	41.67	43.0	9.5	340 05

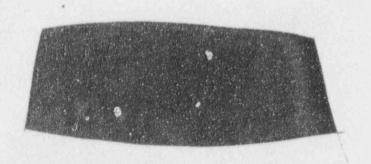
#### 120 VDC INPUT VOLTAGE

Model	D.C. Inp	ut Amps	А	.C. Outp	ut	BTU	Case Size*	Approx.
Number	N.L.	F.L.	VA	Volts	Amps	Hr.	Rack	Weight
	3	10	.00	120	83	115	608	50 %5
	3	3.0	250	1 120	2.08	28"	39	60 los
	-	5.0	500	120	4 17	575	39	75 05
	9	7.5	750	120	6 25	1108	13	80 108
	10	9.0	.000	. 50	8 23	1149	33	90 05
	1.5	14.0	500	120	12.50	1673	90	120 0%
	20	180	2200	:20	16 67	1724	1 90	175 55
	3.2	28.0	3000	120	25.00	2558	90	270 108
	40	36 0	4300	120	33 33	3443	96	310:05
	50 1	460	5300	. 50	1 41 67	4212	95	340 755
	7.0	690 .	~500	120	62.50	6450		600 ms.
	9.0	90.0	. 5000	120	63 33	0.7	CF"	Ce

requirements consult the factory







## Alarm Status Panel

#### GENERAL DESCRIPTION

alarm status panel monitors the status of the dic. power system power distribution board. battery chargers and battery providing remote and local alarm indication when a failure occurs. A 2%3 d.c. ammeter measures the system load current while a 2% dic. 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 teatures include: His Low voltage alarm: Open d.c. protective device indication from the battery chargers: Battery charges sensing fuse: Battery charger failure minor and majori: Front panel LED diagnostics for local alarm and a fuse creaker afarra.

#### -21 1 42 11 1103

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 out-off (ACO1). LED illumination occurs when the out-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 falled. "Major Alarm" LED illuminates when two or more chargers have falled.

## HIGH LOW E.O. 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.

## SI ISING FUSES

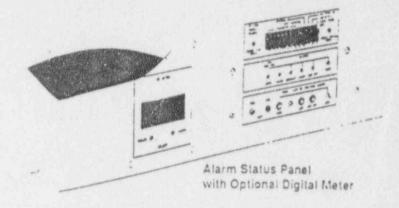
Eight charger sensing fuses are provided with one fuse interconnected to each charger failure alarm circuit. The sensing fuse(s) will open in the event of a short to protect the circuitry of the chargers and the status panel.

Also provided are five additional sensing tuses protecting to ammeter, volumeter, load fuse/breaker sensing circuitry, system circuitry and auxiliary summary alarm.

#### REMOTE ALARMING

One set each of form of 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. Minur Charger Fallure
- 5. Fuse:Breaker Disconnect
- 6. Summary



#### ALARM PANEL

Model Number	Rack Width	Rated Current	Rated Voltage	Ground	Rack Height*
	19"	100A	1 24V	Pos	12.25"
	23"	100A	24V	Pcs.	12.25"
	19"	1 200A	24V	Pos. I	12.25
	23"	A008	24V	Pos. I	12.25
	19"	400A	24V	Pos.	12.25"
	23"	400A	24V	Pos	12.25"
	23"	600A	24V	Pos	12.25*
, A. 1	23"	800A	24V	Pos	12.25
	10"	1 100A	48V	Pos I	12.25
	22"	100A	48V	Page	12 25"
	19"	200A	48V	Pos.	12.25*
<u> </u>	23"	200A	48V	Pos. I	12.25*
	19"	400A	48V	Pos.	12.25*
	23"	400A I	48V 1	Pos 1	12 25"
<u> </u>	23*	600A	48V	Pos	12.25"
	53.	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.

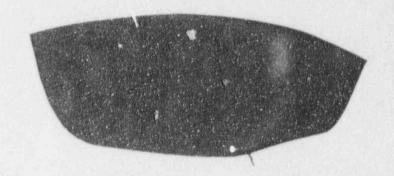
#### AVAILABLE OPTIONS

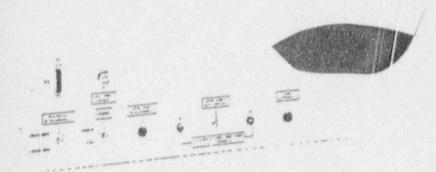
The following options are available. Please consult the factory for further information.

- 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
battery charger/eliminator. When
used with Model
Sattery chargers an
option needs to be included on the charger for
proper system operation.





## 23 INCH PANELS

Model Number	Panel Width	Ampere Rating	D.C. Voltage
	23"	50	1 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

## Low Voltage Disconnect Panel

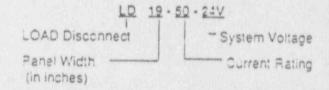
### GENERAL DESCRIPTION

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 dic. voltage calibration terminals allow the checking and adjusting of the Ew voltage set point without disconnection, the load from the battery.

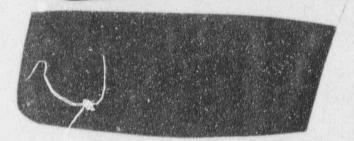
Remote customer alarm is provided for by a set of form "c" contacts. A fuse alarm terminal is supplied. Panel height is 5-1/4 inches. (3 rack units)

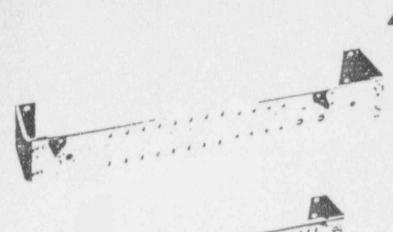
## MODEL NUMBER NOMENCLATURE



#### 19 INCH PANELS

Model Number	Panel Width	Ampere Rating	D.C. Voltage
	19"	50	24
	19*	50	48
	19"	100	24
	1 19"	100	48
	19"	200	24
	19"	200	48
	19"	400	24
	1 19"	400	48







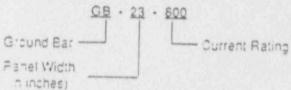


# Termination Buss and Lugs

## GENERAL DESCRIPTION

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



## TERMINATION BUSS

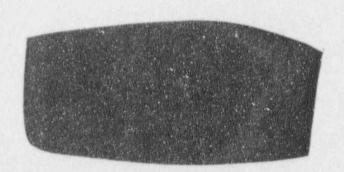
Model Number	Panel Width	Current Rating	Ls ; Kit Available
	! 19"	100	None
	1 23"	100	None
	1 19"	200	1 thru 5
	23"	300	1 thru 5
	19"	≐00	1 thru 8
	1 23"	500	1 thru 8
	1 19"	600 l	1 thru B
	1 23"	800	1 thru 8
	1 19 1	800	1 thru 8
	23"	800 l	1 thru 8

## 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

	Quantity of Lugs Per Kit						
Lug Kit No.	P969-6	P959-7	P969-5	P969-1			
	20	7					
		10					
	20		4				
	50	5	4				
		10	4				
	20		4	2			
		10	4	2			
		5	4	2			



## STATIONARY BATTERIES

SEALED VALVE REGULATED 85A 20 YEAR LIFE EXPECTANCY 26% L.C.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 GNS's patented. ABSOLYTE Technology, For all stationary applications including:

- Telecommunications
- · Unintertuptible Power Systems
- Switchgear
- Control
- · Cellula: Radio
- · Photovollaics
- · Wind Fower

YU.S. Patent 4,401,730)

### INNOVATIVE FEATURES

#### Sealed

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

#### Immobilized Electrolyte

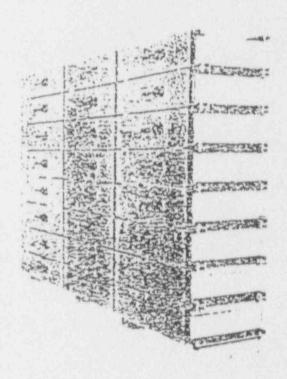
- Extended partial state of charge operation
- · Freezing tolerated
- · Accepts high rate charging
- · No scheduled equalization required

## Patented Hybrid Alloy

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

#### Modular Steal Tray

- · Easy On-site assembly
- · Cell replacement capability
- Slackable horizonial
- Standard unit meets Seismin
   Zona 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 Seli-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 Alby

Negative Plate - Lead Calcium

to gong

MODULE	0	NOM		S	TACKING	DIMENSI	D:VS		1		-	*****
TYPE L AH		LENGTH 'W		EIGHT . "DEPTH		WEIGHT		PACKED WEIGHT				
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TACO 4 INCHES FOR BOTTOW TO BEAM SUPPORTS FOR TOTAL STACK HEIGHT TOTAL STACK HEIGHT TOTAL STACK HEIGHT TOTAL SOS TOTAL FOR MODULE SOVER ASSEMBLY

## PERFORMANCE DATA

Amperes to 1.75 V.P.C. svg. at 77°F (20°C)

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	1 110	1 175	1 200	1 205	1 228	1 191	1 607
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	1 141	1 201	1 239	254	1 133	1 4 443	FRISHDRIVERS AND ADDRESS
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ASSEMBLY CONFIGURATION



# HORIZOHTAL STACK

Dispith is overall including module cover assembly. Add 4" for bottom "I" board supports to determine total beight (width) of assembled burizontal stack.

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

SYSTEM SPECIFICATIONS	
Conferencing Lines	72 max
Simultaneous Conference	s 10 max
Communication Cards	
Number of ports per card	4
2-wire interface	Loop start
4-wire interface	E&M(LV)
Crossuik, line to line	Less than -SOJB
Crossialk, conferences	Less than -SOdB
Idle channel noise	Less than 30dBmC0
Transmit Level	-9dBm max
AGC range for full output	
2-wire	-16.3 to -28.5
	(dependant on site E.R.L.)
4-wire	-3.0 to -16.0
	(dependent on site E.R.L.)
Termination	600Ω
2-wire time balance	500Ω to 1200Ω
2-wire line current	20ma min
INTERFACE CONNECTIONS	
2-wire	USOCRITIN
4-wire	USOC RAIGN
POWER REQUIREMENTS	
Con mon Equipment	
Standard	120 VAC nominal
	90-132VAC oper
	47-63Hz
Management	500VA max
Monochrome Terminal	120VAC normal
	90-132VAC oper
	60Hz
Color Tempinal	35VA
Color reculadi	120VAC normal
	90-132 VAC oper
	60Hz 180VA
	180 VA
AGENCY APPROVAL	

FCC Registration Number E1657U-14721-BR-N

1.18

FCC Class B Registered

EN	44.81	6	M	MI	1.4	世	k/PF	A 1
En	4.4.1	n	~	. 4	PAT	5	. 4	M.

remperature		
Common Equipment		
Operating	50° to 95°F	10° to 34°C
Storage	-30° to 140°F	-34" to 5KC
Operator Terminals		
Operating	50° 10 104°F	10° to -0°C
Storage	-40° to 140°F	-40° to 58°C
Relauve Humidity	20% to 80% the	n-contiensing (
Alutudo		

Operating	0 to 10,000m.
Non-operating	0 to 35,000ft.
PHYSICAL STATISTICS	

PHYSICAL STATISTICS			
Dimensions	Heighi	Denia	Width
Common Equipment	10.47"	21.75"	16.97"
Operator Terminal	26.59am 12.75	55.25cm 13.00"	43.10cm 10.50"
Keyboard	32.39am 1,40	33.00cm 5.60°	31.75cm 17.60"
	3.56am	14.222m	44.70cm
Common Equipment	: ".55"	21.87	16.97"
Operator Terminal	12.75"	55.55cm 13.00"	43.10cm 12.50"
Kayboard	32.39am 2.25	33.02cm	31.75cm 17.25"
	5.72cm	19.30cm	43.82cm
Operator Interface Module	3.59° 9.12cm	12.00" 30.48cm	9.62" 24.43cm
Weight (Approx)*** Common Equipment		77 All .	
Keyboard		65.01bs 2.61bs	29.5kg 1.2kg
Operator Terminal		19.01bs	8.61.2

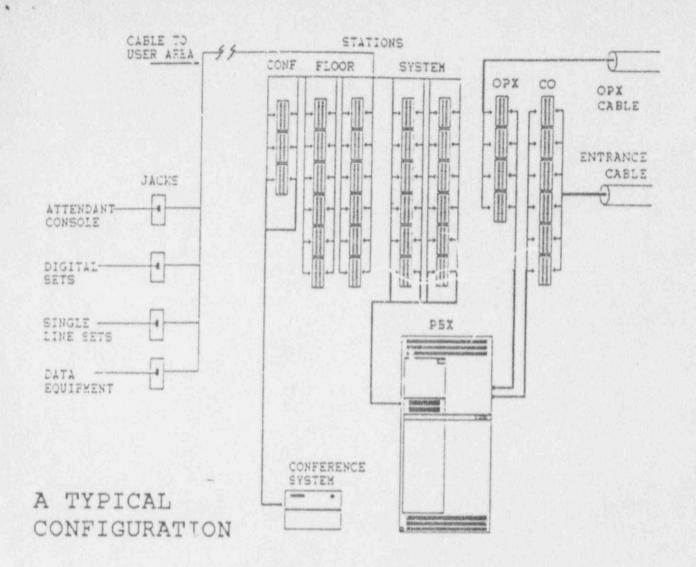
NOTES:	* Capability and price depend on configuration ordered.
	oackup is available to provide overfine
	support and for backup in emergencies. It may not offer the full range of features available on your
	system. Emergency backup service is limited to warran
	by and service contract customers.

\*\*\* Depends on system configuration - call for details

Page 8

Ringer Equivalence

Operator Terminals



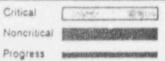
)	Name	Duration	Scheduled Start	Scheduled Finish	Predecessors
1	Begin SYSTEM Installation	Oed	7/1,91 8 00am	7/1/91 8:00am	
3	Site Survey - Any Site	1.83ed	7/1/91 9.00am	7/3/91 5:00am	
4	Initial Program written	3.38ed	7/4/91 8:00am	7/7/91 5:00pm	3
	Begin Station Cabling	25.38ed	7/5/91 8:00am	7/30/91 5:00pm	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 DOam	8/19/91 5:00pm	7
9	Switch Programming	2.38ed	8/19/91 8:00am	8/21/91 5:00pm	8
13	Station Placement and Vertic	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	Oed	8/26/91 5:00pm	8/26/91 5:00pm	
13	Operational Vertication	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	

13	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	11.38ed	7 8/91 8 00am	7/19/91 5:00pm	4
6	Segin 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 Vertic	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	Oed	5 9/91 5:00pm	8/9/91 5:00cm	
1.6	Operational Vertication	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	

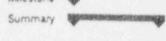
					July					Aug	just	
0	Name	Duration	Scheduled Start	6 30 7	7/14	7/21	7/28	8 4		8 11		E 18
1	Begin SYSTEM Installation	Ced	7/1/91 8 00am	•				MARKET CON STRUCT	-	-		
2	Pre-Cutover Process	39.33eo	7/1/91 9.00am	<b>Sucrementarion</b>	CANNON COMPANY	MARKUTE CHICALTER	WARREST CONTRACTOR	evecand	p			
3	Site Survey - Any Site	1.83ed	7/1/91 9 00am	0								
4	Initial Program written	3.38ea	7/4/91 8 00am									
5	Begin Station Cabling	11.3Sed	7/8/91 8 00am		2 1 1 man							
6	Begin CO MDF Cabling	5.33ea	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				7					
0	Switch Programming	3.38ed	8/1/91 8:00am									
1	Station Placement and Vertic	2.38ea	8/4/91 8:00am					7				
2	Initial Switch Testing	2 38ea	8/5/91 8 00am					-				
3	Inital Conf Sys. Test	1,38ed	8/6/91 8:00am					0				
4	Complete system Testing	1.38ea	8/8/918 00am					_				
5	CUTO'ER SWITCH	Ded	8/9, 91 5 00pm					-				
6	Operational Vertication	4.38ed	8/12/91 8.00am						-			
7	Ce-install Cld Equipment	4 38ed	8/15/91 8 00am						-	الت		

Project: NACOC Date: 5/2/91

Critical



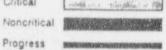
| Milestone | ◆



						July				Augu	31
L	10	Name	Duration 1	Scheduled Stan	6.30 7,7	7 14	7/21	7,28	8/4	8.11	8 18
	,	Begin SYSTEM Installation	Oed	7/1 918.00am	4				Contracts Spreading		-
	5	Pre-Cutover Process	55.33ed .	7 1 91 9 00am	Думенализинения	CONTRACTOR OF THE	TOTAL PROPERTY TO	P. LOW STREET,	NAME OF A	CONTRACTOR OF THE PARTY OF THE	TO SCHOOL
en in in	3	Site Survey - Any Site	1.83ed	7/1/91 9:00am							
	4	Initial Program written	3 38ed	7,4 918 00am							
	5	Segin Station Capling	25 38ed	7/5 918:00am				7			
	6	Begin CO MOF 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				-			7
Marine	9	Switch Programming	2.38ed	8/19 91 8:00am					-		
1	10	Station Placement and Vertic	3.38ed	8/19.91 8.00am							
1	1	Complete system Testing	3 38ed .	8/22 91 8 00am							
1	2	CUTOVER SWITCH	0ed	8/26 91 5:00pm							Long
1	3	Operational Vertication	7.38ed	8/27 91 8:00am							
1	4	De-Install Old Equipment	4 38ed	9 3 91 8 00am							

Project: NRCREG I Date: 5/3/91

Critical



Milestone 🚸



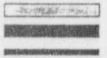
October September November 8.25 | 9.1 | 9.8 | 9.15 | 9.22 | 9.29 | 13.6 | 10.13 | 12.20 | 10.27 | 11.3 | 11.10 | 11/17 | 11.24 | 12.1 | 12.8

Project: NRCREG I

Date: 5/3/91

Critical Noncritical

Progress



Milestone

Summary Commission

10	Name	Duration	Scheduled Start	Scheduled Finish	predecessors
1	Begin SYSTEM Installation	Ded	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	Segin Station Cabling	25.35ed	7/8/91 8.00am	8 2 91 5 00pm	4
6	Begin CO MDF Cabling	3.3300	7/30/91 9.00am	8 2 91 5 00pm	5
7	Station Cable Testing	9.38ed	7/30/91 8 0Cam	5 8 91 5 00pm	8
8	Segin Switch Install	12.38ed	8/7/91 8:00am	8 19 91 5:00pm	7
9	Switch Programming	2.38eq	8/19/91 8:00am	8 21 91 5:00pm	8
10	Station Placement and Vertic	3.38ed	8/20/91 8:00am	8 23 91 5:00pm	9
11	Complete system Testing	3.35ed	8/26/91 8:00am	8 29 91 5:00pm	
1.2	CUTOVER SWITCH	Ded	8/29/91 5:00pm	8.29/91 5:00pm	
13	Operational Verlication	7.38ed	8/30/91 8:00am	9 5/91 5:00pm	
14	De-Install Old Equipment	4 38ed	9/3/91 8:00am	9 7 91 5:00pm	

					July	1		Augu	st
0	Name	Duration	Scheduled Start	6 30 1 7 7	7 14   7.21	7,28	8.4	8/11	8 18
1	Begin SYSTEM Installation	Oeo	7,1/91 8.00am	•					
2	Pre-Cutover Process	59.33ea	7/1/91 9 00am	Mary management concerns		TO SOURCE STATE OF THE SOU	REAL AND A STATE OF THE STATE O	SE ANY PROPERTY OF THE PARTY OF	KOSLIKESOON
3	Site Survey - Any Site	1.83ed	7/1/91 9:00am	io					
4	Initial Program written	3.38ed	7/4/91 8:00am						
5	Begin Station Cabling	25.38eo	7/8/918 00am		273.632 - 15.53	90 a mga			
ô	Begin CO MDF Cabling	3.33ed	7.30/91 9:00am						
T	Station Cable Testing	9.38ed	7,30/918.00am			2000	733		
8	Begin Switch Install	12.38ed	8/7/91 8 00am			No relativescent			7
9	Switch Programming	2.38ed	8/19/91 8:00am				Annesses		
0	Station Placement and Vertic 1	3.38ed	8-20/91 8:00am						Annual Annual S
1	Complete system Testing	3.38ed (	8/26/91 8:00am						-
2	CUTOVER SWITCH	Oed .	8. 29/91 5:00pm						
3	Operational Vertication	7.38ed	8 30/91 8:00am						
4	De-Instail Old Equipment	1.38ed:	9/3/91 8 00am						

Project: NRCREGIII Date: 5/2/91

Critical Progress



Milestone 🚸

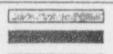


October September November De 8 25 | 9.1 | 9.6 | 9.15 | 9.22 | 9.29 | 10.6 | 10.13 | 10.20 | 10.27 | 11.3 | 11.10 | 11/17 | 11.24 | 12.1 | 12.8

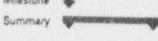
Project: NRCREGIII Date: 5/2/91

Critical Noncritical

Progress



Milestone 🐟



10	Name	Duration	Schedulad Start	Scheduled Finish	Predecessors
1	Begin SYSTEM Installation	Ced	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 Capling	3.33ed	7:22/91 9:00am	7/25/91 5:00pm	5
7	Station Cable Testing	3 38#d	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 Vertic	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	Oed	8/16/91 5:00pm	8/16/91 5:00pm	
13	Operational Verlication	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	

an ord				THE RESIDENCE OF THE PERSON NAMED IN COLUMN 2 IN COLUM			July		-	-
0	Name	Duration	Scheduled Start	Scheduled Finish	A 30	7/7	7/14	7/21	1 7	28
1	Begin SYSTEM Installation	Oed	7; 1/91 8:00am	7/1/91 8.00am	•					
2	Pre-Cutover Process	46.33ed	7/1/91 9:00am	8/15/91 5.00pm	<b>Quesous</b>	DESIGNATE AND	Decision and the	UM DESCRIPTION OF	acasas	aratana
3	Site Survey - Any Site	1.83ed	7/1/91 9:00am	7/3/91 5:00am	io					
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		×1000:	7958			
6	Begin CO MOF 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						101
9	Switch Programming	4.38ed	8/8/91 8:00am :	8/12/91 5.00pm						
0	Station Placement and Verlic	2.38ed	8/12/91 8:00am	8/14/91 5:00pm						
1	Complete system Testing	4.38ed i	8/12/91 8:00am	8/16/91 5:00pm						
2	CUTOVER SWITCH	Qed	8/16/91 5:00pm	8/16/91 5.00pm						
3	Operational Vertication	7.38ed	8/16/91 5:00am	8/23/91 2:00pm						
4	De-install Old Equipment	8.38ed	8 28,9° 8.00am	9/5/91 5 00pm I						

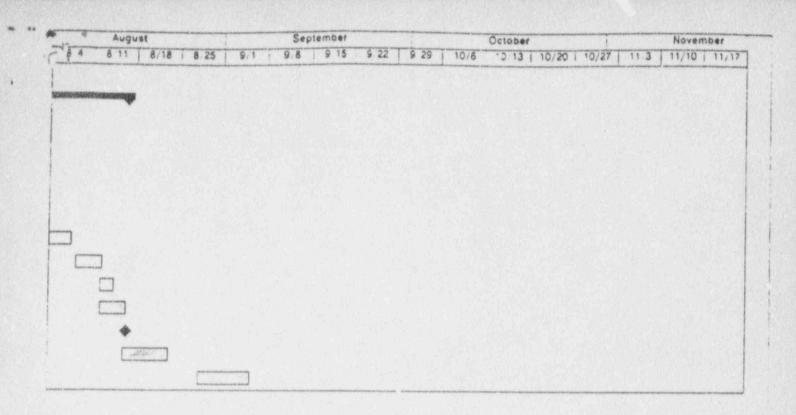
Project: NACREG V Date: 5/3/91

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Milestone





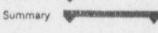
Project: NRCREG V Date: 5/3/91

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200			

FILE NAME: NRCF SOLIC: "ATION: RS-IRM-90-215 CONF : FATION WORKSHEET DATE 05/06 TIME 14:23 NRCCC: COLLWA = - REGION/LOCATION \* Bethesda MO LOT: 1 N 0 0 3 5 T 1/CO 13 25 37 49 +YRS NO. ITEM DESCRIPTION/NOMENCLATURE PART NUMBER 1001 ANALOS MASTER PACK-R4 360366-01 DIGITAL MASTER PACK-RA 360365-02 1003 BASIC LTU PACK FOR LTUP X386/XL/M 360341-01 1004 BASIC LTU PACK FOR F9600 LTUP MS 360340-01 1005 MESG WAITING RINGER GENERATOR PK 360349-01 1006 ISDN FRI TRUNK PACK 360347-01 1007 PERIPHERAL BUS CTL CARTO 4-DMA E168-3008-R540 1008 SWITCHING NETWORK CARD 8 1009 CLOCK DISRIBUTOR CARD £168-3002-R010 E168-3005-R350 1010 SINGLE LINE TELEPHONE CARD £168-3003-R310 1011 OPS LINE CARD 1013 CO BOTHWAY TRUNK CARD A (600 CHM) E168-3009-R170 10:4 ONE WAY DID TRUNK CARD \$165-3009-R770 10:5 ISDN/PRIBT! TRUNKS W/SYNC ADP/CD \$168-3006-R950 10:5 MIXER TRUNK CARD \$188-3001-R460 1017 CONFERENCE TRUNK CARD E168-3001-R470 E168-3003-R270 E168-3003-R280 E168-3007-R430 DIE FOWER FAILURE TRANSFER CARD 1019 NIGHT BELL/CODE CALL 1/F CARD 021 MODEM FOOL CONTROLLER CARD £168-3003-R550 E168-3009-R740 1022 ATTENDANT LINE CARD 8078-1074-8401 1023 HAC-ATTENDANT CONSOLE 1024 BUSY LAMP FIELD/DIRECT STA SEL B078-1075-5001 1025 STAND-ALONE DIU TO 19 2KBPS F128-0337-5101 1025 STAND-ALONE DIU TO 19 2KBPS 20 1026 DATA PERMINAL ADAPTER F108-0705-K001 15 8 1027 HAC DTIDOA 148 W/O SPEAKERPHONE F108-0705-5011 1028 MAC 072008 148 DISPLAY SPERPHONE F108-0707-8111 1029 EMML TERMINAL (IBM PC BASED) 301977-04 45 20 5 1030 P/TRONIC E-SUPRA 1-EAR OVER/HEAD 769084-03 1031 CLOCK SYNC CABLE (ISON/PRIATI) E660-2506-1983#1 (Reserved) 1032 (Reserved) 1032 (Reserves) Reserves. 1034 ESM TRINK/PFT CABLE £660-2506-1662#8 £660-2506-7662#9 1035 ATT POWER (EG CONNECTION) 1036 CABLE: MOC-MODEM CABLE A E660-2506-1760#5 360114-04 1037 R4 MCFR S/W RTU-MS386 CONFIG 1038 R4 MCFR S/W RTU-M386 CONFIG 360231-04 1039 R4 EMML SOFTWARE 301976-04 1040 R4 TP/TV SOFTWARE 360061-04 1041 R4 MS/S FLOPPY DISK BOOT SOFTWARE 360192-04 1042 SYSTEM FORWARDING ENHANCEMENT 360233-07 360233-04 1043 PRIMARY RATE INTERFACE SOFTWARE 1044 M/MS ENGINEERED NET/DATA DATABASE SW009600-MN3 1045 CUSTOM ENGHRING FOR M/MS DATABS SY009600-MNC 1046 ATTENDANT CONSOLE QUICK REF GUIDE D110-042-004 1047 SINGLE LINE TEL QUICK REF GUIDE 0110-045-004 128 1040 DIGITAL TELEPHONE QUICK REF GUIDE D110-051-004 55 20 1049 DATA INTERFC UNIT QUICK REF GUIDE D110-049-004 20 8 2 1050 DATA TERM ADAPTER QUICK REF GUIDE D110-053-004 15 1051 36-PORT TELECONFERENCING SYSTEM TEMPO MB 2 1052 04-PORT TOME SYSTEM EXPANSION CD TEMPO MB 4P 1053 SANGLE LINE TELEPHONES 20 3 PREM 2500 KX-T1020 5 1054 SLT SPEAKERPHONE UNIT 1055 SLT AMPLIFIED HANDSET W-6 GT1/TS1/MS-4 1056 MANAGEMENT SYSTEM W/4 CRT 1057 FOWER SUPPLY SUBSYSTEM PS-48V 1058 UNIVERSAL PS BATT/BACKUP SUBSYST UPS-48V 1059 INITIAL SPARE PARTS KIT Not Applicable 1050 OPPM - HOURLY CHARGE Not Applicable 1061 VOICE STATION LINES/DID EQUIPPED Not Applicable 203 28



SOLICITATION: RS-IRM-90-215 FILE NAME: NACE CONFIGURATION WORKSHEET DATE 05/06 REGION 1: King of Prussia PA COLUMN A - REGION/LOCATION \* LOT: TIME 14:23 \*\*\*\*\*\*\*QUANTITIES\*\*\*\* 0 5 0 ITEM DESCRIPTION/NOMENCLATURE PART NUMBER 45. 1 00 13 25 37 49 +YR5 ANALOG MASTER PACK-R4 360366-01 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 1005 MESG WAITING RINGER GENERATOR PK 360349-01 1008 ISON PRI TRUNK PACK 360347-01 27 PERIPHERAL BUS CTL CARTO 4-CMA E168-3008-4540 1008 SWITCHING NETWORK CARD 8 E168-3002--010 1009 CLOCK DISRIBUTOR CARD E168-3005-4350 1010 SINGLE LINE TELEPHONE CARD £168-3003-4310 1 1 1011 OPS LINE CARD E168-3008-3250 1012 DIGITAL LINE CARD - 18 28-0 E168-3009-2150 10:3 CO BOTHWAY TRUNK CARD A (600 C-M) £168-3009-2:70 214 ONE WAY DID TRUNK CARD E168-3009-4770 S ISDN/PRIBTI TRUNKS W/SYNC ADP/CO £163-3006-2350 CLE MIXER TRUNK CARD £168-3001-3460 1217 CONFERENCE TRUNK CARD £168-3001-7470 CIS POWER FAILURE TRANSFER CARD E168-3003-R270 1019 NIGHT BELL/CODE CALL 1/F CARD £168-3003-=280 223 CHARACTER TRUNK CARD £168-3007-4430 221 MODEM POOL CONTROLLER CARD E168-3003-3560 1022 ATTENDANT LINE CARD E168-3009-3740 1023 HAC-ATTENDANT CONSOLE 8078-1074-3401 1024 BUSY LAMP FIELD/DIRECT STA SEL 8078-1075-3:01 1025 STAND-ALONE DIU TO 19.2KBPS F128-0337-3:01 1025-DATA TERMINAL ADAPTER F108-0705-K101 57 6 à 1027 HAC 07100A 148 W/O SPEAKERPHONE F108-0705-F011 45 4 4 1028 MAC D72008 148 DISPLAY SPERPHONE F108-0707-5:11 1029 EMML TERMINAL (IBM PC BASED) 301977-04 1030 P/TRONIC E-SUPRA 1-EAR OVER/HEAD 769084-03 1031 CLOCK SYNC CABLE (ISON/PRIATI) £660-2506-";83#1 1032 (Reserved) (Reserved 111 (Reserved) (Reserved. 1034 E&M TRUNK/PFT CABLE E660-2506-"552#8 1035 ATT POWER (EG CONNECTION) E560-2505-\*552#9 1036 CABLE: MDC-MODEM CABLE A E660-2506-"760#5 1037 R4 MCFR S/W RTU-MS386 CONFIG 360114-04 1038 R4 MCPR S/W RTU-M386 CONFIG 360231-04 1039 R4 EMML SOFTWARE 301976-04 1040 R4 TP/TV SOFTWARE 360061-04 1041 R4 MS/S FLOPPY DISK BOOT SOFTWARE 360192-04 1042 SYSTEM FORWARDING ENHANCEMENT 360233-07 1043 PRIMARY RATE INTERFACE SOFTWARE 360233-04 1044 M/MS ENGINEERED NET/DATA DATABASE SWOODSOO-MAS 1045 CUSTOM ENGNRING FOR M/MS DATABS SW009600-MMC 1046 ATTENDANT CONSOLE QUICK REF GUIDE D110-042-234 1047 SINGLE LINE TEL QUICK REF GUIDE 0110-045-004 10 206 9 11 11 1048 DIGITAL TELEPHONE QUICK REF GUIDE DI10-051-004 121 6 8 1049 DATA INTERFC UNIT QUICK REF GUIDE 0110-049-534 45 1050 DATA TERM ADAPTER QUICK REF GUIDE 0110-053-004 57 6 5 6 1051 36-PORT TELECONFERENCING SYSTEM TEMPO MB 1052 04-PORT TONE SYSTEM EXPANSION CO TEMPO MB 47 1053 SINGLE LINE TELEPHONES PREM 2500 190 9 9 10 11 11 1054 SLT SPEAKERPHONE UNIT KX-T1020 48 3 2 3 1055 SLT AMPLIFIED HANDSET W-6 10 GTI/TSI/MS-4 1055 MANAGEMENT SYSTEM W/4 CRT 1057 POWER SUPPLY SUBSYSTEM PS-48V 1058 UNIVERSAL PS BATT/BACKUP SUBSYS? UPS-48V 1059 INITIAL SPARE PARTS KIT Not Applicable 1060 OPPH - HOURLY CHARGE Not Applicable 56 96 95 96 96 1081 VOICE STATION LINES/DID EQUIPPED Not Applicable 16 15 19 18 18

SOLICITATION: RS-IRM-90-215 FILE NAME: NACE CONFIGURATION PORKSHEET DATE CS 15 COLUMN A - REGION/LOCATION \* REGION !!!! Glen Ellyn 11 TIME 14:23 \*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*OUANTITIES\*\*\*\*\*\*\*\* CLIN 0 0 R S PART NUMBER ITEM DESCRIPTION/NOMENCLATURE 40. 1/00 13 25 37 49 \*\*\*\* 201 ANALOG MASTER PACK-R4 360366-21 DIGITAL MASTER PACK-44 360365-12 303 BASIC LTU PACK FOR LTUP X386/XL/M 360341-01 :004 BASIC LTU PACK FOR F9600 LTUP MS 360340-01 COS MESG WAITING RINGER GENERATOR PK 360349-51 006 ISON PRI TRUNK PACK 360347-01 307 PERIPHERAL BUS CTL CARTO 4-3MA £168-3008-R540 208 SWITCHING NETWORK CARD B £168-3002-R010 £168-3005-R350 209 CLOCK DISRIBUTOR CARD DIO SINGLE LINE TELEPHONE CARD £168-3203-R310 1011 OPS LINE CARD E168-3078-R250 212 DIGITAL LINE CARD - 16 28-0 £168-3209-R150 013 CO BOTHWAY TRUNK CARD A (600 OHM) E168-3009-R170 014 CNE WAY DID TRUNK CARD E168-3009-R770 ::15 ISDN/PRIBT1 TRUNKS W/SYNC 40P/CD E168-3008-R950 . .. MIXER TRUNK CARD E168-3001-R460 101, CONFERENCE TRUNK CARD E168-3201-R470 £168-3:03-R270 £168-3:03-R280 "18 POWER FAILURE TRANSFER CARD 219 NIGHT BELL/CODE CALL 1/F CARD 120 CHARACTER TRUNK CARD £168-3:37-R430 321 MODEM POOL CONTROLLER CARD E168-3113-R560 122 ATTENDANT LINE CARD E168-3119-R740 5078-1174-8401 223 HAC-ATTENDANT CONSOLE 324 BUSY LAMP FIELD/DIRECT STA SEL 8078-1175-8001 F128-0337-8101 .025 STAND-ALONE DIU TO 19.2KEPS 109 F108-0735-K001 F108-0735-5011 126 DATA TERMINAL ADAPTER 16 227 HAC DILODA 148 W/O SPEAKERPHONE 6 328 HAC DT2008 148 DISPLAY SPERPHONE F108-0707-8111 65 11 .029 EMML TERMINAL (IBM PC BASED) 301977-14 330 P/TRONIC E-SUPRA 1-EAR OVER/HEAD 769084-13 D31 CLOCK SYNC CABLE (ISON/PRIATI) E660-2516-7983#1 .232 (Reserved) (Reserves) 033 (Reserved) (Reserved) 334 ELM TRUNK/PFY CABLE £660-25:6-7662#8 135 ATT POWER (EG CONNECTION) E550-2516-T662#9 E660-2506-1760#5 336 CABLE: MOC-MODEM CABLE A 037 R4 MCPR S/W RTU-MS386 CONF.3 360114-04 038 R4 MCPR S/W RTU-M386 CONFIG 360231-04 039 R4 EMML SOFTWARE 301976-04 040 R4 TP/TV SOFTWARE 360061-04 041 R4 MS/S FLOPPY DISK BOOT SOFTWARE 360192-04 1042 SYSTEM FORWARDING ENHANCEMENT 350233-07 1043 PRIMARY RATE INTERFACE SOFTWARE 360233-14 044 M/MS ENGINEERED NET/DATA DATABASE SW009600-MN3 .045 CUSTOM ENGHRING FOR M/MS DATABS SW009600-MNC 1046 ATTENDANT CONSOLE QUICK REF GUIDE D110-042-004 1047 SINGLE LINE TEL QUICK REF GUIDE 0110-045-004 214 10 10 1048 DIGITAL TELEPHONE QUICK REF GUIDE D110-051-004 71 11 1049 DATA INTERFC UNIT QUICK REF GUIDE D110-049-004 103 OSO DATA TERM ADAPTER QUICK REF GUIDE D110-053-004 16 :051 36-PORT TELECONFERENCING SYSTEM TEMPO MS 1052 04-PORT TONE SYSTEM EXPANSION CO TEMPO MB 4P 1053 SINGLE LINE TELEPHONES PREM 2500 198 5 5 10 10 :0 1054 SLT SPEAKERPHONE UNIT KX-T1020 50 3 :055 SLT AMPLIFIED HANDSET W-6 10 :056 MANAGEMENT SYSTEM W/4 CRT GT1/T51/MS-4 1057 POWER SUPPLY SUBSYSTEM PS-484 :058 UNIVERSAL PS BATT/BACKUP SUBSYST UPS-48V 359 INITIAL SPARE PARTS KIT Not Applicable .060 OPPM - HOURLY CHARGE Not Applicable 48 96 15 D61 VOICE STATION LINES/DID EQUIPPED Hot Applicable 15 5 11 11



SOLICITATION: RS-IRM-90-215 FILE NAME: NRCF CONFIGURATION WORKSHEET DATE 05/06 REGION V: Walnut Creek COLUMN A - REGION/LOCATION . CA LCT TIME 14:23 \*\*\*\*\*\*\*\*\*CUANTITIES\*\*\*\*\*\*\* N 0 3 R 5 T 1/C0 13 25 37 49 +YR5 40. ITEM DESCRIPTION/NOMENCLATURE PART NUMBER ANALCS MASTER PACK-R4 360366-01 360365-02 :303 BASIC LTU PACK FOR LTUP X386/XL/M 360341-31 1004 BASIC LTU PACK FOR F9800 LTUP MS 360340-11 360347-21 1006 ISON PRI TRUNK PACK 1207 PERIPHERAL BUS CTL CARTO 4-DMA E168-3028-R540 1008 SWITCHING NETWORK CARD 8 E168-3022-R010 E168-3005-R350 09 CLOCK DISRIBUTOR CARD DID SINGLE LINE TELEPHONE CARD E168-3003-R310 1011 OPS LINE CARD E168-3CC5-R250
1012 DIGITAL LINE CARD - 16 28+0 E168-3CC3-R150
1013 CO BOTHWAY TRUNK CARD A (600 OHM) E168-3CC9-R170 1014 ONE WAY DID TRUNK CARD E168-3009-R770 1015 ISDN/PRIST1 TRUNKS W/SYNC ADP/CD E168-3008-R950 1021 MODEM POOL CONTROLLER CARD E168-3003-R560 1022 ATTENDANT LINE CARD E168-3003-R740 1023 HAC-ATTENDANT CONSOLE BO78-1074-8401 224 BUSY LAMP FIELD/DIRECT STA SEL BO73-1075-8001 61 14 m 027 HAC OTIOCA 148 W/O SPEAKERPHONE F108-6705-8011 :328 HAC 072038 148 DISPLAY SPKRPHONE F108-07-7-8111 43 1029 EMML TERMINAL (IBM PC BASED) 301977-14 230 P/TRONIC E-SUPRA 1-EAR OVER/HEAD 769084-23 1031 CLOCK SYNC CABLE (ISDN/PRI&T1) E660-2516-T983#1 1032 (Reserved) (Reserved) 523 (Reserved) (Reserves) 1037 R4 MCPR 1/W RTU-M5386 CONFIG 360114-14 1038 R4 MCPR 1/W RTU-M386 CONFIG 360231-14 301976-04 360061-04 1039 R4 EMML SOFTWARE 1040 R4 TP/TV SOFTWARE 1041 R4 MS/S FLCPPY DISK BOOT SOFTWARE 360192-04 1042 SYSTEM FORWARDING ENHANCEMENT 360233-07 360233-04 1043 PRIMARY RATE INTERFACE SOFTWARE 1044 M/MS ENGINEERED NET/DATA DATABASE SW0096CO-MN3 1045 CUSTOM ENGRRING FOR M/MS DATABS SW009600-MNC 1046 ATTENDANT CONSOLE QUICK REF GUIDE D110-042-004 1047 SINGLE LINE TEL QUICK REF GUIDE D110-045-004 5 6 1048 DIGITAL TELEPHONE QUICK REF GUIDE D110-051-004 1049 DATA INTERFC UNIT QUICK REF GUIDE D110-049-004 1050 DATA TERM ADAPTER QUICK REF GUIDE D110-053-004 53 81 14 1051 36-PORT TELECONFERENCING SYSTEM TEMPO MB 1052 04-PORT TONE SYSTEM EXPANSION CO TEMPO MB 4P 1053 SINGLE LINE TELEPHONES PREM 2500 95 5 5 5 5 8 1054 SLT SPEAKERPHONE UNIT KX-T1020 1055 SLT AMPLIFIED HANDSET 24 2 W-6 5 1056 MANAGEMENT SYSTEM W/4 CRT GTI/TS1/MS-4 1057 POWER SUPPLY SUBSYSTEM PS-48V 1058 UNIVERSAL PS BATT/BACKUP SUBSYST UPS-48Y 1059 INITIAL SPARE PARTS KIT Not Applicable
1060 OPPM - HOURLY CHARGE Not Applicable 56 96 95 96 96 1061 VOICE STATION LINES/DID EQUIPPED Not Applicable 149 10 9 8 10

# Government Telecommunications, Inc.

- 1. Scope
- 1.01 This document provides the Installation Test Procedures that are used for verfication of correct operation and installation of the 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 Cer-ral Control Cabinet, Network Control Cabinet, and Expansion Cabinet(s).
  - D. Afanuals -- Installed Level, Latest issue.
  - E. Manuals -- Installed Level, Latest issue (NRCOC) only.
  - F. Power Subsystem Manuals -- Installed Level, Latest issue.
  - G. Appropriate 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 activity. The review shall occur within 5 work days of cut-over.
- 2.04 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 of 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

Tie tests will cover the following major areas, as applicable:

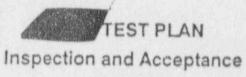
- 3.01 Attendant Console(s).
- 3.02 Maintenance and Administration Console
- 3.03 Call Routing Features
- 3.04 Stations/Lines
- 3.05 System and Miscellaneous, including Application Processors, ACD, SMDR, etc.
- 3.06 Hardware Features
- 3.07 Conference Bridge
- 3.08 Power Subsystem
- 3.09 MS Subsystem

# 4. PERIPHERAL SYSTEM EQUIPMENT TESTS

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



	Purchaser	Purchaser	
Operational Description	Test By Date	Verity	Spec. Reference
Battery Check	-		T
Fuse Rating Verification			
Power Fault-to-Ground Check			
Power Converter Output Voltage Checks	ACTION AND ADDRESS OF A STREET		
Verification Testing GTI	THE RESERVE OF THE PARTY OF THE		
Preload Memory Test System			
System Self Maintenance Test			



# Checklist

Description		Accepted YES or NO	Customer Representative/Date
Switchroom:			A MARKET METERS OF A PARK SO
Cabinets	Arrangement	1	The state of the s
	Neatness		The state of the s
Cabling	Neatness		
Equipment	Labeled		THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, T
Maintenance Team:		and class went	Constitution of the second
MDF	Arranged Neatly		
	Labeled		THE PARTY OF THE P
Cross Connects	Neat		
Protectors	Installed	-	A STATE OF THE RESIDENCE OF THE PARTY OF THE
	Grounded		
	Labeled		
Cable Racks	Secure		
	Grounded		
Miscellaneous		Per Street Park Property	
Intermediate Frames	Neat	T	AND
	Labeled		The same of the sa
	Room for Growth		
Feeder Cable	Protected		
	Neat		THE RESIDENCE OF THE PARTY OF T
	Labeled		THE RESIDENCE OF CONTROL OF CONTR
	Properly Supported		
Station Cable	Labeled		
	Neat		ACCUSED TO THE PROPERTY AND ADDRESS OF THE PARTY OF THE P
	Properly Supported		**************************************
Documentation:		Carlo Carolina	NAME OF A PROPERTY OF A STREET
quipment Layout Drawings	Complete		provention of the second secon
Cross/Connect Records	Complete		
Riser/Dist. Records	Complete		
Manufacturers Manuals	Complete		THE R. P. LEWIS CO., LANSING MICH. LANSING M

# Nuclear Regulatory Commission Telephone Switching Systems Training Plan

Course:

Intended For:

Telephone and data users of the

Description:

The primary focus of this class is to familiarize the day to day user of the ind telephone equipment with its standard features. Instruction v-Jl include:

- Basic familiarization 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.

Cowse:

Console Operations Users Course

Intended For:

Console Operators

Lescription:

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

- o Basic familia ization with 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.

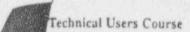
Course Length:

Four (4) Hours

Personnel:

Maximum personnel per class: 5

Course:



Intended For.

Personnel responsible for data collection and programming of the

# 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 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 to program the

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 ranufacturer of the proposed hardware. GTI mandates that AL... 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, Fennsylvania
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 viction are:

- 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

Gir will perform preventive maintenance on all systems as described in the proposed Preventive Maintenance Plan. Preventive maintenance vill 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 in 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. Copir 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:

and the three (3) regional offices specified.

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 product on by reputable, experienced manufacturers.

GTI understallds and will comply with all of the NRC requirements as the, 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 sis a flexible, digital system that is upgradeable and is compatible with the evolving ISDN standards. In addition, the sis 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 structure ensures both upw. rd and downward compatibility between different systems.

Secause 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 switching network which provides:

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

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

# A. Cail 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 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 equipmer\*, 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 a non-redundant version of the F9600M, for the three regions. The 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 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 consists of cabinet shelves each of which contains designated groups of printed circuit boards necessary for various functional aspects of system operation.

The 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 modulas 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 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 Fackage, and LTU Expansion Package.

The overall exterior and interior configuration of the 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 is a fully stored-program controlled, fully processor redundant, integrated digital voice/data switching system.

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

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

#### Solicitation:

#### C.3.4 AUTOMATIC CALLBACK

## COMPLIANT.

The 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-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 provides the capability of integrated voce and data transmission over a single twisted pair. The 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

## 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 , 'rect 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.

supports simplex, half-duplex, and/or full duplex connections.

## Solicitation:

C.3.5.3

## Response:

#### COMPLIANT.

Through 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 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:

The 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 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 fransfers 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 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 command is executed.

#### Solicitation:

#### C.3.6.5 MODEM POOLING:

## 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 supports Modem pooling for incoming modern 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 modern 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 modern and the internal data set. If all moderns are busy an internal station can queue the modern 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 car; 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:

The 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 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 PEX 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

## COMPLIANT.

The 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 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:

The supports 64 distinct customer definable Classes of Service (COS). Each station, uata 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 Jully 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 supports intercept treatment through Vacant Number Intercept.

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

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

## 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 (NECOC 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

## 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

## COMPLIANT.

The F9500 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 supports three-way conferencing with any combination of inside/outside parties.

## Solicitation:

# C.3.32 CONSULTATION HOLD/ADD ON

## Response:

## COMPLIANT.

The 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:

- Establish a three-way conference.
- Transfer the call either inside or outside the switch.
- 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.
- Private Intercom Maximum 100 groups per system.

#### Solicitation:

## C.3.34 DO NOT DISTURB

## Response:

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 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 are automatically registered for privacy through M&A commands, but can be canceled by the controlling station via privacy release.

# Solicitation:

## C.3.36 EXECUTIVE OVERRIDE

# Response:

#### COMPLIANT.

The 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 C verride 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:

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 lust 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 Conference 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:

The proposed 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 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. Its one of only three manufacturers that have an ISDN (vice ISDN compatible) switch on the market. The 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 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:

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

- o Type of paging system: one zone or multiple zones.
- Number of zones/paging systems: Maximum 64 systems.
- 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 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 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

# R. (ponse:

# 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 stand 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

The 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 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 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 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 are equipped with speakerphones which would allow for monitoring selected conversations.

GTI is proposing the to meet the speakerphone requirement for analog stations. The seakerphone 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

#### 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 console positions on the proposed are powered by the system battery backup.

#### Solicitation:

C.5.1.2

## Response:

## COMPLIANT.

All attendant positions on the 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 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 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 predefined 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 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 Attendant Console, the requirement as delineated are exactly provided.

## Solicitation:

#### C.5.5 ATTENDANT TRANSFER

## Response:

#### COMPLIANT.

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

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 can have up to 32 BLF's each monitoring 100 lines.

## Solicitation:

#### C.5.9 THROUGH DIALING

## COMPLIANT.

The 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 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 at endant 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 mas 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 handsfree operation.

# Solicitation:

C.5.13 INCOMING CALL IDENTIFICATION

The 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
- 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 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 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

# COMPLIANT.

The complies as required.

#### Solicitation:

C.5.17 RING VOLUME CONTROL

## Response:

# COMPLIANT.

The 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 LCCP OPERATION

# Response:

## COMPLIANT.

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

## Solicitation:

C.5.20 TRUNK VERIFICATION

#### Response:

## COMPLIANT.

The 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 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 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 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 complies with all of the Grades of Service required including:

Terminating Calls

Originating Calls

Intraoffice Calls
Dial Tone/data

connection Percentage

P.01

P.01 (after dial tone)

P.005 (after dial tone)

Not more than .5% of calls

will be delayed over 3 seconds.

#### C.6.2.2

#### COMPLIANT.

All virunks 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 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 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 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.

#### C.6.5 TANDEM SWITCHING

## Response:

# COMPLIANT.

The 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 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 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 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 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 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

Personal Computer with

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, CTI is proposing several software packages that together meet all of the MS requirements.

The first package to be provided is the 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 machine for programming and traffic analysis of the connected switch.

The second package is the second package is the the second package is the second

- DataBase Module.
  - o Call Accounting
  - Cost & Budget Allocation

- o Directory/Message Center
- o Report Writer
- 2. Inventory/Work Order
  - Equipment Cost Allocation
  - o Inventory System
  - o Work Order Entry
  - o Technician Time/Charges
- 3. Facilities Management
  - o Trouble Tick ets
  - o Cable Tracking
  - o Traffic Analysis
  - Automatic Cable Assignment

The 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 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

#### R sponse:

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 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 power equipment that will provide the appropriate amount of 48DCV power from provide 120AC circuits to run the proposed switches as required.

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

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

## Solicitation:

C.10.3 POWER SUPPLIES

## Respot se:

# COMPLIANT

GTI is proposing power equipment from 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

#### 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 requirements 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.

#### 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, agree, 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

## 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 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.

## 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:

## U.12.15 MAINTENANCE RECORDS AND REPORTS

## Response;

## COMPLIANT.

GTI has read, understands, agrees to and is fully compliant with these requirements and is prunosing 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 complian with these requirements and is proposing to fully satisfy the requirements stated withou, taking exception to any of the stated provisions.

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 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 NRCCO).

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 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.

C.14.3 Reserved (Per Amendment 3)

## Solicitation:

C.14.4 ENVIRONMENTAL SENSOR

## Response:

# COMPLIANT.

The proposed 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.

## Sol dation:

# C.14.5 FORMAT AND PROTOCOL CONVERSION

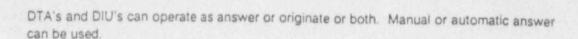
# Response:

## COMPLIANT.

Digital Data Communications is an integral part of the 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 Modern 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 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.



#### C.14.5.1

# COMPLIANT.

The proposed 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.

T e proposed system supports keyboard dialing from a Dig tal 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.
- o 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. ( ) 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

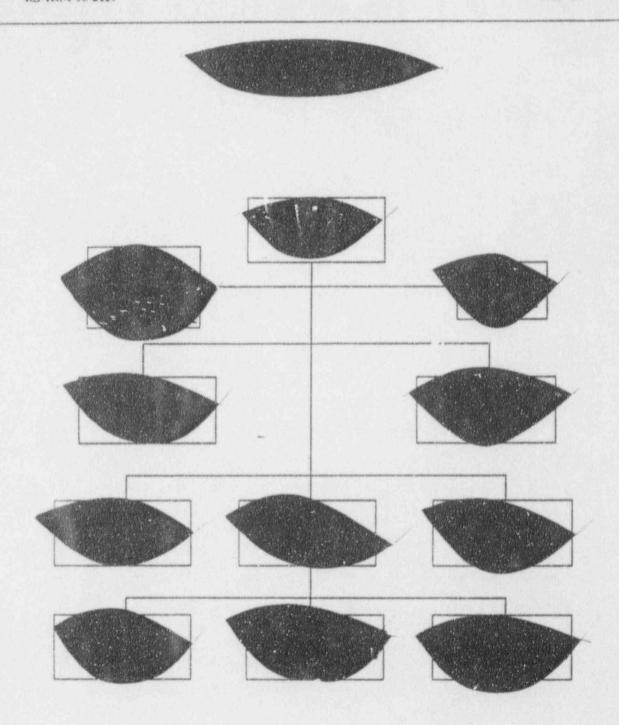
As a particular highlight, GTI continues to enjoy an unblemished track record of over three hundred (300) telephony system installations with ongoing life cycle maintenance at

Froducts 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 cust, mers 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 real 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 falent 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 delly 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 N'anagement 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.



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.



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, GT, can track the progress of each service call, and escalate the call to the next higher k vel of management, if necessary. Each service call is logged into our computer for trend analysis and parts usage.



"Replace in lieu of repair" is the maintanance 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.
- 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 cail, 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 re, resentative. 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

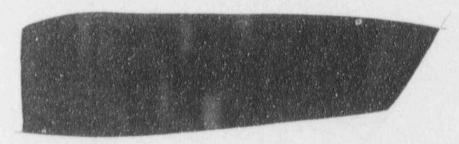
The Issue Resolution process developed for the Nuclear Regulatory Commission program guarantees the Government that quality will be properly addressed. The process is designed to ensure that identified discrepancies are properly addressed in an effective and efficient manner. The Nuclear Regulatory Commission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

#### o FOUNDED IN 1986

WHOLLY OWNED COMPANY OF COMPUTER EQUITY CORPORATION. (COMPLC)



#### O HEADQUARTERED IN CHANTILLY VA.

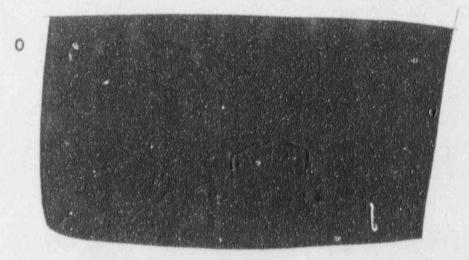
Square Feet of Integration and Warehousing space in addition to administrative, program managment and engineering office space.

#### O MAINTENANCE STAFF THROUGHOUT U.S.

CURRENTLY MAINTAINING OVER 300 SYSTEMS AT OVER 100 GOVERNMENT SITES.

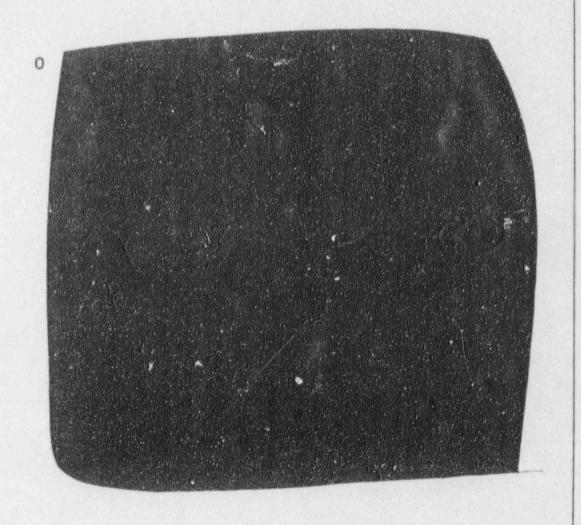
WE SERVICE WHAT WE SELL!

### GOVERNMENT TELECOMMUNICATIONS, INC. (GTI)



O FOUR YEARS OF PROFITABILITY

## GOVERNMENT TELECOMMUNICATIONS, INC. (GTI)



CONTRACT NUMBER:

(Multiple Contracts) - more than

DESCRIPTION:

Telephony and Computer Systems and Software

DOLLAR AMOUNT:

\$6,500,000 +++

REQUIREMENT AGENCY:

POINT OF CONTACT:

TELEPHONE NUMBER:

CC YTRACT NUMBER:

DESCRIPTION:

DOLLAR AMOUNT:

REQUIREMENT AGENCY:

POINT OF CONTACT:

TELEPHONE NUMBER:

CONTRACT NUMBER:

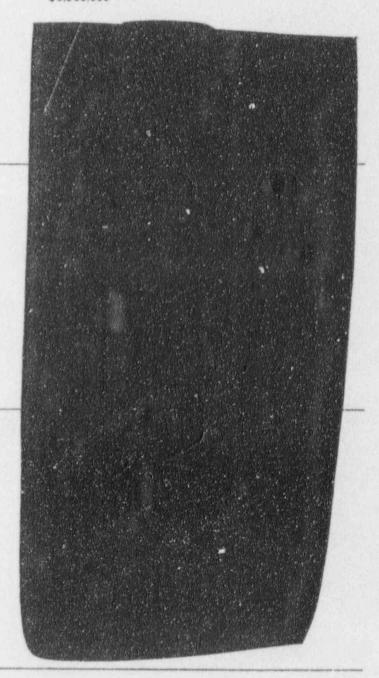
DESCRIPTION:

DOLLAR AMOUNT:

REQUIREMENT AGENCY:

POINT OF CONTACT:

TELEPHONE NUMBER:



CONTRACT NUMBER:

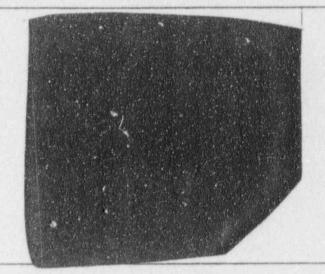
DESCRIPTION:

DOLLAR AMOUNT:

REQUIREMENT AGENCY:

POINT OF CONTACT:

TELEPHONE NUMBER:





Government Telecommunications Inc. 7/10/91

Schedule F
Equipment Room Requirements

		insenticial ne	equired for I	Period Beg	inning with	month:
Site	Item Description	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

Totals for Power -Totals for Spare =

Total Cost =



SOLICITATION: RS-IRM-90-215

SCHEDULE E - SERVICE CHARGES - CPTIONAL ITEMS COLUMN A - REGION/LOCATION . ANY REGION OF LOCATION

LOTS: 1-4

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

CLIN ITEM DESCRIPTION/NOMENCLATURE

SODI CABLE REHOVAL, 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, FER HOTE

5012 MISCELLANEOUS WORK, PER HOUR

PRICE



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 support Modern Pooling via the Modern 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 Atlendant 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 nung 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 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 cigital 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

of with this submission.

Experience

COMPLIANT

Government nationwide. We have included with the systems within the United States appropriate contacts. Included with these reference 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.

1 4 1

81-16

	CONFIGURATION: RE-IRM-92-344	U.S. NUCLEAR REGULATO						DATE	06/0
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VO.	OR NOMENCLATURE	PART NUMBER			midun	-		-	Service and
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	RS EMML SOFTWARE	301976-05			1	-	-	-	-
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	RS USER DOCUMENTATION PKG	360435-01			1		-		
009	BASIC CAB PACK COMMON TO THE PAC	360439-01			-		AT-1415-115	-	_
010	BASIC LTU PY FOR LTUP	360441-01			-	-	-	-	-
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013	EXPANDED SPEED DIALING CODES AS JOINT TENANT JERVICE AS	350454-12						****	
018	PITRONIC E SUPRA 1-EAR OVERMEAD	769084-03			2		-	and contain	
019	ATTEND CONSOLE QUICK BEF GUIDE	D*10-042-005			21	-	acasta a	-	-
020	SINGLE LINE TEL QUICK REF GLIDE	D110-045-005		A reliable from it of recommends in the recommendate in the residence	29	6	- 6	6	-
021	DATA INTEC UNIT QUICK REF GUIDE	D110-049-006		SALAND SALES OF THE PROPERTY O	45	3	2	3	-
0221	DIG TELEPHONE QUICK REF GUIDE	D110-051-005			4	-		1	-
023	DATA TERM ADPTR QUICK PEF GUIDE	D110-C53-005 E008-0276-E101			-	-	-	v-scottenskin	-
	LTF CABLE A-F276D1 /M	E068-1356-8101			1			-	
	HAC-ATTENDANT CONSOLE	E076-1074-bil 11	The second secon		2				
020	BUSY LAMP FLD/PIRECT STA SELEC	E079-1075-5001			2	-	eration autom. S	-	-
	MIXER TRUNK CARD	£168-3001-R460			-	-	and the same of	********	-
029	AW ELM TIE TRUNK CARD	E168-3001-R990			3	-	-	41734F-0507-54-0-0	-
030	NIGHT BELL/CODE CALL INTEC CD	E166-3003-R280			2			-	-
031	SINGLE LINE TELEPHONE CARD	£168-3003-8310	-		11	market	managed read	and the figure halfs	-
032	RINGER GENERATOR CARD	£168-3003-R530 £168-3003-R560		and the same of th	-	-	and the same of	CHEST OF STREET	
	MODEM POOL CONTROLLER CARD	E168-3007-R430			2		-		
	CHAFACTER TRUNK CARD	E168-3008-R250	THE RESERVE OF THE PARTY OF THE		2		DAY MINISTER		
	PERIPH BUS CTL CARD 4-1 MA	E168-3008-8540			1		-	CONTRACTOR OF THE PARTY OF THE	-
	DIGITAL LINE CARD - 16 20+0	E168-3009-R150			11	-		_	-
038	CO LS/GS TK CARD A (Std 600 OHM)	£168-3009-R170			3	-	-	-	+
039	ONE WAY DID TRUNK CARD	E168-3009-R770		-	2		-	-	-
040	SWITCHING NETWORK CARD B RS	E168-3015-R590	The state of the s		1	-	-		-
C41	ATTENDANT LINE CARD RE	E168-3015-R830 E168-9900-R000			1	-	AND DESIGNATION AND	COT OF STREET	-
	POWER FAILURE TRANSFER CARD	E210-0042-T 12#USA			il	operate op	NATIONAL DESCRIPTION OF THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUM		
	ATT POWER (EH CONNECTION)	£660-2506-Y662#10							1
	E&M TRUNK/PFT CABLE	E660-2506-1662#8			5		No compression	-	1-
	ATT POWER (EG CONNECTION)	£660-2508-T662#9			1	-			-
047	CABLE MOC-MODEM CABLE A	E660-2506-1760/5		-	-	-	-	-	-
048	DATA TERMINAL ADAPTER	F108-0705-K001			45	3		3	+
049	HAC DTIDIE 288 SPEAKERPHONE	F108-0706-B111		PARAMETER - CONTINUES AND THANKS AND ADDRESS OF THE PARAMETER AND	05	1	2	1	1
	STAND-ALONE DIU TO 19 2 KBPS	F128-0337-8101 SW009600 MN1	APPENDENCE OF THE PERSON ASSESSED.	THE STREET STREET, STR	1		estatement.		Г
05.1	CUST ENGRG FOR M/MS DATABASE	SW009600 MNC			1	-			
1053	EMML TERMINAL (BM PC BASED)	GTIEMML			1				1
1054	36-PORT TELECONFERENCING SYSTEM	TEMPO MB					-	-	-
	SLT SPEAKERPHONE UNIT	KX-T1020			26		2		+
1056	SLT AMPLIFIED HANDSET	W-6			6	-	1_		+
1057	MANAGEMENT SYSTEM W/4 CRT	GTI/TSI/MS-4	-		11	MATERIAL STREET	pulmproper		+
1058	POWER SUPPLY SUBSYSTEM	PS-48V			1	-	-		1
1059	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS 48V			1		-	1	1"
	INITIAL SPARE PARTS KIT	Not Applicable			56	96	96	95	1
1061	OPPM - HOURLY CHARGE VOICE STATION LINES/DID EQUIPPED	Not Applicable Not Applicable			56	8	8		
dealers (miss)						-	The second second	Married Street, or other	April 1

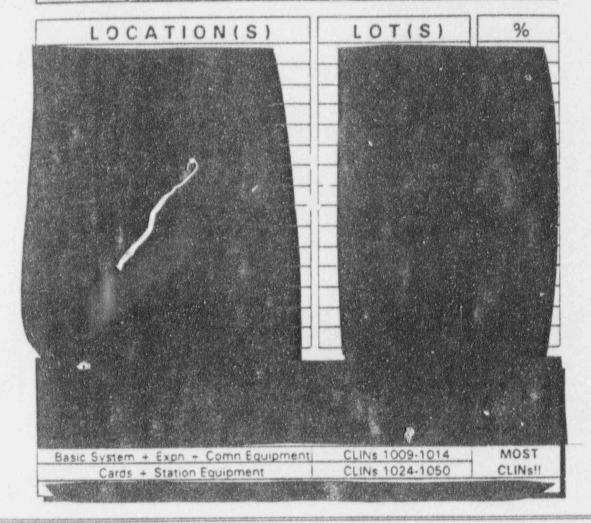
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	SOLICITATION: RE IRM 92-364	U.S. NUCLEAR REGUL					BAFO		FALE	
	SCHEDULE A - ITEMIZED PRICE LIST - PUR	Supergraph of the supergraph o	Marie Committee of the	TANCE	LOT	4	1		TIME	100
RIMERSE		REGION V: WWW.R C	TOWARD MAKE A PROPERTY AND A STATE OF THE PARTY AND A STATE OF THE PART	NAME OF TAXABLE PARTY.		BUBLE	and the same	AND SALES	SWEEK	
4						NO.	RESIDENCE.			ME
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	C	E		UNIT PRICE	-		Accountage	TITRES	kunnnon	_
CLIN	ITEM DESCRIPTION	MODEL OR	-	-	K	N	0	0	R	-
NO.	OR NOMENCLATURE	PART NUMBER	PURCHASE	PISTALL	MO/MNT	YP4-1	YA-2	THE	YPI-4	LY
**********		Last commence of the second	- I			110	6	6	6	_
	LINE SET W/O MW	260100MOE20M				1	-	0		
002	RE TP/TY SOFTWARE	301976-06 350061-05				T	-	er toxistation of	Personalities	-
2004	R5 MCPR S/W RTV 400 CONFIG	360114-05				1		NAME AND ADDRESS OF	and the same of th	
	RS MS/S FLOPPY DISK BOOT SEWE	360192-05				1	-		-	
006	AS PREFORMATTED BLANK DISK	360193-06				15	-	Property and spirit	THE REAL PROPERTY.	-
007	IRS MCPR S/W RTJ CONFIG	350231-05				-	THE REAL PROPERTY.	a real features of	-	-
008	RS USER DOCUMENTATION PKQ	360435-01	1-100000			-1	-	-	name to a second	-
009	BASIC CAB PACA TO BEETE XLARS	360439-01				-	-	OTERADOR AND	-	-
	BASIC LTU PK FOR LTUP	360441-01 360443-01		. 0		-	-			-
0114	PANALOG MASTER PACK-RS	360449-01						AND DESIGNATION OF STREET		
0134	PERSONNENSPAR ALOG MASTER PACK-RS	360447-01	A STREET			1 3			-	
014	BASIC LT I PK FOREMEN LTUP MS-R5	360450-01				3	-	-	-	-
015	SYST FY DING ENHANCEMENT RS	360464-07				-		-	-	-
	EXPANDED SPEED DIALING CODES RE	360464-10				1		and the same	*******	-
	JOINT TENANT SERVICE RE	360464-12				9	-	****	arrivat binder	-
	PATRONIC E-SUPRA 1-EAR OVERHEAD	769084-03 0110-042-005				2	-	- COLUMN TO SERVICE	or annual section of	-
	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005	T BENEFIT			229	6	6	6	
021	DATA INTEC UNIT QUICK REF GUIDE	D110-049-006				105	1	1	1	
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	ALARM SENDER	E068-1356-B101	_	J.		1	-		-	-
028	HAC ATTENDANT CONSOLE	E078-1074-8401	-			2	-	a consumeror	-	-
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	NIGHT BELL/CODE CALL INTEC CD	£168-3003-R280				1				
	SINGLE LINE TELEPHONE CARD	E168-3003-R310				2	1	-		
	RINGER GENERATOR CARD	£168-3003-8530				1	-	housement	minimum.	-
	MODEM POOL CONTROLLER CARD	E168-3003-R560						-	-	
	CHARACTER TRUNK CARD	E168-3007-R430				2	-	erskinnen sen	and Statement	-
	OFS LINE CARD	£168-3008-R250				15		-	researcement	
USW BUSTON	PERIPH BUS CTL CARD 4-DMA	£168-3008-R540 £168-3009-R150	(			11	-	-	-	-
	CO LS/GS TK CARD - 16 28 + D	E168-3009-R170	<b>*</b>			3	-	precents and		*****
	ONE WAY DID TRUNK CARD	£158-3009-8770	- Mariana			2	-			-
	SWITCHING NETWORK CARD B RS	E168-3015-R590				1				
041	ATTENDANT LINE CARD RS	E168-3015-R830				1	-	and temperature	-	and in
042	POWER FAILURE TRANSFER CARD	E168-9900-R000				1	-	en e		-
243	CABLE DUCT	E210-0042-T512#USA				1	-	-	-	-
	ATT POWER IEH CONNECTION	E660-2506-T662#10				-	-	mantener to		-
	EAM TRUNK/PFT CABLE	E660-2506-7662#8				1	-	annications.	-	-
	ATT POWER (EG CONNECTION)	E660-2506-T662#9				-			-	-
	CABLE MOC MODEM CABLE A	£550-2506-T750#5 £108-0705-K001				4	1		1	PROPER
049	MAC DT1018 288 SPEAKERPHONE	F106-0706-B111		600		45		2	3	
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053	EMML TERMINAL (IBM PC BASED)	GTEMML	-			1	-	-	-	
054	38 PORT TELECONFERENCING SYSTEM	TEMPO MB				-	-		DEST AND PORTUGA	
	SLT SPEAKERPHONE UNIT	KX-11020				28	1	2		-
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	POWER SUPPLY SUBSYSTEM	PS-48V				-		-	PERSONAL PROPERTY.	-
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063	VOICE STATION LINES/DID EQUIPPED	Not Applicable				156	9	8	10	
WW A	(Reserved)	(Reserved)	Abanta		THE STREET	No.	1			

### Special Discount Schedule

Applicable to Award for Multiple Locations



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50	CHEDULE A - ITEMIZED PRICE LIST - PUR		AND MAI					BAFO		ENGLES.	08/04
		NACOC: Bethesds	MO	manusan	nontre autom	LOT		DHENESCON	COSTANO	TIME	12:00
	HAN AND PROPERTY TO THE PARTY OF										
NAME OF STREET	CONTRACT SECURIOR SERVICE AND ADDRESS SECURIOR ASSESSMENT ASSESSM										
-	C	E		U	NIT PRICE			QUAN	TITIES		
		MODEL OR	G	manner of a	1	K	N	0	0	A	S
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NO	OR NOMENCLATURE	PART NUMBER	MUNCH	ASE	MISTALL	MO/MNT	YM-1	YR-2	4 14-3	TH-4	1 4 14
406		Laurence	5-500	REAL PROPERTY.		DATE SHOW AND ADDRESS.	-	-	-	·	-
0014	LINE SET WO MW	260100M0E20M	1-88				28	2	3	-	-
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003 R5	S TP/TY SOFTWARE	360061-05 360114-05	1-60				-	-statement		-	-
004 R5	MS S FLOPPY DISK	360192-05	1 199						- memorina	THE PERSON	-
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007 RS	MCPR SW RTU CONFIG	350231-05	1 1				1		-		
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309 IBA	ASIC CAB PACK TO THE XL M-RS	350439-01					1		marene	-	-
010 BA	ASIC LTU PY FOR LTUF TO MERS	350441-01	I BU				2		-	-	-
011	ANALOG HASTER PACT	360443-0	1-100				-	ar entre de la sense el	orienta com	-	-
212 BA	ASIC CAB PACE COM CONTRACT 15	350449-01				ALCON ST			the management of the	-	-
013 100	MANALOG MASTER PL .: 15	360447-01	4-630					-	-	******	-
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216 64	YST FWDING ENHANCEMENT RE CPANDED SPEED DIALING CODES RE	3504/4-10	1 開發				1	Chicken or other	Intertaction to the least to the		-
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	AC ATTENDANT CONSOLE	E078-1075-B001	1-86				2		prosession parties		-
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231   51	NGLE LINE TELEPHONE CART	E168-3003 R317					7	1	ALCO SERVICE	ecurrum	
	NGER GENERATOR CARD	£168-3003-8530	1-RE				2			-	-
	ODEM POOL CO! TROLLER C. RD	E: 68-3003-9560	1-88				1				-
	HARACTER TRUNK CARD	£168-3007-R430	1-89				1			-	-
	PS LINE CARD	£168 3008 R250 £168 3008 R540	1-88				or brack freeze and	constraines	-		-
the state of the s	GITAL LINE CARD - 16 28 - C	£168-30 79-8150	一個語				2 8	-	-	-	- CHESTON
	LS/GS TK CARD A (Std 500 OHM	£168-3009-8170	1-100				3	- A CHEST AN	-	-	-
	NE WAY DID TRUNK CARD	£168-3009-8770	1-20				2.				-
	WITCHING NETWORK CARD B RS	E168-3015-R590	F Bill				2				
	TTENDANT LINE CARD RE	F168 3015-R830	1 182				1	-	-		-
CHO SE COLO PER SANCIAL	WER FAILURE TRANSFER CARD	E168-9900-R000	-				1				-
- rest, the respectations	ABLE DUCI	£210-004, T512#U5A	1-100				1 5	-	ndromable o	-	
	TT POWER LEH CONNECTION	E660-2506-1662#10	- BIR		( )		1		ny taon managan		
THE RESERVE AND PARTY.	M TRUNK/PFT CABLE	E660-2506-1662#B					5		-	-	-
	TT POWER IEG CONNECTION	F660-2506-7662#9	4				2	-		-	-
	ABLE MOC MODEM GABLE A	F108-0705-K001	十一日田				23	2	2		-
	AC DT1018 288 SPEAKERPHONE	1-108-0706-B111	1 100				75	5	4		
	AND ALONE DIU TO 19 2 KBrs	F128-0337-8101	十一個歌				35	MARKET STATE	- CONTRACTOR		
	SIM ENGRO NETIDATA DE SW	5W009600 MN1	1								
	IST ENGAG FOR M MS DATABASE	SW009600 MNC									
	AML TERMINAL (IBM PC BASED)	GTIEMML			0		1	-	none agreem	-	-
TOTAL CONTRACTOR STATEMENT OF THE STATEM	POAT TELECONFERENCING SYSTEM	TEMPO MB	1-86				2		-		-
	T SPEAKERPHONE UNIT	KX-T1020					1	1	5	a Composition of	-
	T AMPLIFIED HANDSET	W-6	1-88				menting		-	-	
	ANAGEMENT SYSTEM WA CAT	GTI/TSI/MS-4	-					-	-	-	-
	WER SU PLY SUBSYSTEM	PS-48V	一個網				1 2 7 2 1	-	-	presentation, man	
	VIVERSAL PS BATT BACKUP SUBSYS"	Not Applicable	1-600				1	PERSONAL PROPERTY.	and the same	-	******
	TIAL SPARE PARTS KIT	Not Applicable Not Applicable	1-100	161.2			-		-	-	-
	DICE STATION LINES DID EQUIPPED	Not Applicable	1-100				231	7	7	-	
	eserved)	(Reserved)	W-WEST			<b>在这个人的是一个人</b>	THE REAL PROPERTY.	Marie Company	second from the o	THE PERSON NAMED IN	- CHICAGO

U.S. NUCLEAR REGULATORY COMMISSION BAFO FILE NAC SOLICITATION: RS-IRM-92-344 SCHEDULE B - ITEMIZED PRICE LIST - LTOP-24, INSTALLATION AND MAINTENANCE DATE 08/04 LOT TIME 12:07 NACOC Bethesds QUANTITIES UNIT PRICE E C 0 0 N R 8 G MODEL OR ITEM DESCRIPTION CLIN YR-1 YR-2 YR-3 YR-4 YR-5 INSTALL MOMINT LTOP-24 PART NUMBER OR NOMENCLATURE NO 28 100: SOO BOOK SET WIO MW 250100MOE 20M 301976-05 1002 RS EMM. SOFTWARE 350061-05 360114-05 1004 R5 MCPR S W RTU CONFIG 360192-09 1006 AS MS'S FLOPPY DISK BOOT SEWE 15 360193-06 1007 AS MOPR SW BTU BE CONFIG 360231-05 TOP INS USER DOCUMENTATION PKG 360435-01 BASIC CAB PACHE TO EXTENT ALM RS 360439-0 360441-01 360443-0 1012 BASIC CAR PACKTER PEXTE MS-RE 350449-01 1013 S ANALOG MASTER PACK RE 350447-01 14 BASIC LTU PK FOR TO TUP MS.RS 360450-0 350454-0 & EXPANDED SPEED DIALING CODES AS 350454-10 1 JOINT TENANT SERVICE AS 350454-12 1018 PITRONIC E-SUPRA 1-EAR OVER HEAD 769084-03 1019 ATTEND CONSOLE QUICK REF GUIDE D110-042-005 1020 SINGLE LINE TEL QUICK REF GLIDE 1021 DATA INTEC UNIT QUICK REF GLID 216 D110-045-005 D110-049-006 1022 DIG TELEPHONE QUICK REF GUIDE D110-051-005 23 D110-053-005 1074 I TE CABLE A F276D1 M 1075 IALARM SENDER 1076 MACIATTENDANT CONSOLE E008-0276-E10 + 068-1356-8101 E078-1074-8401 3 E078-1075-800 1027 BUSY LAMP FLD DIRECT STA SELEC E168-3001-R460 1028 MIXER TRUNK CARD E168-3001-R990 1029 4W EAM TIE TRUNK CARS 1030 NIGHT BELL CODE CALL INTEC CO E168-3003-R280 E169-3003-8310 2 E168-3003-R530 1032 RINGER GENERATOR CARD 1033 MODEM POOL CONTROLLER CARD £168-3003-R56 £168-3007-8430 E168-3008-P25 1035 OPS LINE CARD 1036 PRIPH BUS CTL CARD 4-0-44 £168-3008-R540 £169 3009-R15 8 1037 DIGITAL LINE CARD - 16 25 - D F168 3009-R170 3 1038 CO LS GS TK CARD A ISIS 600 OHM . 58 3009 R77 1040 SWITCHING NETWORK CARD B RS 1041 ATTENDANTLINE CARD RS 1042 POWER FAITURE TRANSFER CARD 68-3015-R590 168-3015-RB3C £168-9900-ROOK E210-0042-T512#USA 1043 CABLE DU E660-2506-T662#10 1044 ATT POWER IEH CONNECTION F560-2506-T662#8 5 1045 ELM TRINKIPST CABLE £650-2506-1662#8 1046 ATT POWER IEG CONNECTION 1947 CABLE MOC MODEM CABLE A £660-2506-176085 23 F108-0705-K001 1048 DATA TERMINAL ADAPTER 75 5 A F108-0706-8111 1049 HAC DTIDIB 288 SPEAKERPHONE 35 1050 STAND-ALONE DIU TO 19 2 KBPS F128-0337-8101 1051 MS/M ENGRO NET/DATA DE SW 1052 CUST ENGRG FOR M/MS DATABASE 5 A 009500 MN1 17009600 MNC CTIEMME 1 1053 EMML TERMINAL (IBM PC BASED) 1054 36 PORT TELECONFERENCING SYSTEM 1055 SLT SPEAKERPHONE UNIT TEMPO ME KX-T1020 2 W-6 1056 SLT AMPLIFIED HANDSET GTI/TSI/MS-4 1057 MANAGEMENT SYSTEM WIA CHT 1 PS-48V 1058 POWER SUPPLY SUBSYSTEM 1 JOSS UNIVERSAL PS BATT/BACKUP SUBSYST UPS-48V 1060 INITIAL SPARE PARTS KIT Not Applicable Not Applicable 1061 OPPM - HOURLY CHARGE 1062 VOICE STATION LINES TO DEQUIPPED 231 Not Applicable (Reserved) 1063 [[Reserved]



BAFO FILE NAC U.S. NUCLEAR REQULATORY COMMISSION SOLICITATION: RS IRM \$2.344 SCHEDULE B - ITEMIZED PRICE LIST - LTOP-36. INSTALLATION AND MAINTENANCE DATE 08/04 TIME 12:07 LOT NACOC: MO 1 Bethesda Market State of the State of th QUANTITIES E UNIT PRICE C NOOR MODEL OR K ITEM DESCRIPTION CLIN YR-1 YR-2 YR-3 YR-4 YR-5 INSTALL MO/MNT PART NUMBER LTOP-36 OR NOMENCLATURE NO. 1001 ASSESSMENT SOFTWARE 250100M0E20M 28 3 301976-06 1 350061-05 360114-05 1004 JRS NICPR SAW RTU-MINE CONFIG 350192-09 1005 RS MS S FLOPPY DISK BOOT SPWE 15 1006 RS PREFORMATTED BLANK DISK 360193-05 1007 RS MOPR S.W. P.TURNING CONFIG 360231-05 COB RS USER DOCUMENTATION PKG 1 350435-0 1 350439-0 350441-0 ANALOG MASTER PACK RE 250443-01 ANALOG MASTER PACK.

112 PASIC CAB PACK BIME EXTER MS.P.

114 ASIC LTU PK FORMS ALTUP MS.R.

115 YST FWDING ENHANCEMENT RS.

12 EXPANDED SPEED DIALING CODES RS.

12 JOINT TENANT SERVICE RS. 350449-01 350447-0 350450-0 350454-0 1 350464-10 1 350464-11 OLB PITRONIC E-SUPRA 1-EAR OVER/HEAD 769084-03 19 ATTEND CONSOLE QUICK HEF GUIDE 0110-042-00 1070 SINGLE LINE TEL QUICK REF GUIDS 0110-045-005 218 1021 DATA INTEC UNIT QUICK REF GUIDE 35 0110-049-005 75 4 1022 DIG TELEPHONE QUICK REF GUIDE D110-051-005 1023 DATA YERM ADPTR QUICK BEF GUIDE 0110-053-005 1024 LTF CABLE A F27601 /M E008-0276-E10 E058-1356-8101 E078-1074-8401 3 026 MAC-ATTENDANT CONSOL E078-1075-800 3 27 BUSY LAMP FLD DIRECT STA SELEC DE MIXER TRUNK CARD £168-3001-8460 3 1029 AW EAM TIE TRUNK CARD £168-3001-R990 £168-3003-R280 1 £168-3003-8310 C31 SINGLE LINE TELEPHONE CARC 32 PINGER GENERATOR CARD £168-3003-8530 2 168-3003-R560 168-3007-R430 33 MODEM POOL CONTROLLER CARD 34 CHARACTER TRUNK CARD 168-3008-R250 235 JOPS LINE CARD 58-3008-R540 238 PERIPH BUS CTL CARD 4-DMA 8 1037 DIGITAL LINE CARD - 16 28 - D 1038 JCO LSIGS TK CARD A ISIN 600 OHM 1168-3009-R15 E168-3009-R170 3 39 ONE WAY DID TRUNK CAR £168-3009-R77 £168-3015-8590 2 1040 SWITCHING NETWORK CARD B RE 1041 ATTENDANT LINE CARD P E168-3015-8830 1 E168-9900-A000 1042 POWER FAILURE TRANSFER CARD E210-0042-T512#USA '243 CABLE DUC £660-2506-T662#10 1044 ATT POWER (EH CONNECTION) 1045 EAM TRUNK/PFT CABLE E560-2506-T662#8 5 1046 ATT POWER IEG CONNECTION £660-2506-T662#9 1047 CARLE MOC MODEM CABLE A 1660-2506-1760/5 F108-0705-K001 23 2 1048 DATA TERMINAL ADAPTER F108-0706-8111 75 1049 HAC DITOTE 288 SPEAKERPHONE 1050 STAND ALONE DIU TO 19 2 KBPS F12B-0337-B101 35 SW009500 MN1 SW009500 MN0 1052 CUST ENGRG FOR MIMS DATABASE 1 GTIEMML 1053 EMML TERMINAL (IBM PC BASED) TEMPO ME 1054 36-PORT TELECONFERENCING SYSTEM 1055 SLT SPEAKERPHONE UNIT KX-T1020 2 W-6 GTI/TSI/MS-4 1057 MANAGEMENT SYSTEM WIA CRT 1 1068 POWER SUPPLY SULSYSTEM
1069 UNIVERSAL PS BATT BACKUP SUBSYST P\$-48V UP5-48V 1 1060 INITIAL SPARE PARTS KIT Not Applicable Not Applicable 231 1062 VOICE STATION LINES/DID EQUIPPED Not Applicable Reservedi 1063 [Reserved]

BAFO FILE NAC SOLICITATION: RS-IRM-92-344 U.S. NUCLEAR REGULATORY COMMISSION SCHEDULE 8 - ITEMIZED PRICE LIST - LTOP-48 INSTALLATION AND MAINTENANCE **DATE 08/04** MD TIME 12:07 NECOC Bethesda LOT 1 Ė UNIT PRICE QUANTITIES C N 0 0 ITEM DESCRIPTION MODEL OR G 1 A CLIN YR-1 YR-2 YR-3 YR-4 YR-5 OR NOMENCLATURE PART NUMBER LTOP-48 INSTALL MO/MINT NO. 260100MOE 20M 1001 PS SEL LINE SET WIO MW 28 301976-05 1003 RS IP/TY SOFTWARE 360061-05 1004 RS MCPR SOW ATCHER STA CONFIG 350114-05 1005 RS MS'S FLOPPY DISK BOOT SEWE 360192-05 0 360193-05 15 1007 AS MOPR S.W. RTUSERS CONFIG. 350231-05 1 1008 RS USER DOCUMENTATION PKG 350435-01 1009 BASIC CAB PACK PEXTE XL M-RS
1010 BASIC LTU PK FOR LTUP M-RS
1011 BASIC LTU PK FOR LTUP M-RS 360439-01 350441-0 350443-0 1012 BASIC CAB PACK PROMISE TE MS.RS 350449-0 MERCE ANALOG MASTER PACK-RE 350447-01 1014 BASIC LTL PK FORETT LTUP MS-RS 350450-0 360464-0 1 DIE JEXPAN ED SPEED DIALING CODES RE 350464-10 1017 JOINT LENANT SERVICE RE 360464-12 1 1018 PITRONIC E SUPRA 1-EAR OVERHEA TRONIC E SUPRA 1-EAR OVER/HEAD 769084-03 D110-042-005 1020 SINGLE LINE TEL QUICK REF GUIDE 1021 DATA INTEC UNIT QUICK REF GUIDE 1022 DIG TELEPHONE QUICK REF GUIDE 1023 DATA TERM ADPTE QUICK REF GUIDE 1024 LTF CABLE A F276D1 M D110-045-005 216 D110-049-005 35 75 0110-053-005 E008-0276-E101 1025 ALARM SENDER
1026 HAG ATTENDANT CONSOLE
1027 BUS AMPFLE DIRECT STA SELEC
1028 MIXE TRUNK CARD
1029 4W EAM TIE TRUNK CARD E078-1074-840 £078-1075-8001 £158-3001-R460 £158-3001-8990 3 1030 NIGHT BELLICODE CALL INTEC CD £168-3003-R280 £158-3003-R310 E168-3003-R530 1032 PINGER GENER TOR CARD 1033 MODEM POOL LINTROLLER CARE E 166-3003-R560 E 168-3007-R430 £158-3008-8250 1035 OPS LINE CARD 1036 PERIPH BUS CTL CARD 4 DMA 1037 DIGITAL LINE CARD - 16 28 + 0 [168 3008-R540 E169-3009-R150 1038 CO LS GS TK CARD A 1518 600 DHM E165-3009-R17 1039 ONE WAY DID TRUNK CARD E168-3009-R77 1040 SWITCHING NETWORK CARD B RS 1041 ATTENDANT LINE CARD RS 1042 POWER FAILURE TRANSFER CARD 1043 CABLE DUCT £168-3015-8590 2 £168-3015-R830 E168-9900-R000 1 E710-0042-T512#USA 1044 ATT POWER JEH CONNECTION! E6x-2506-T662#10 £550-2506-T662#8 5 1046 ATT POWER IEG CONNECTION £650-2506-T662#9 1 1047 CABLE MOC MODEM CABLE A E660 2506-1760/5 1048 DATA TERMINAL ADAPTER F108-0705-K001 23 1049 HAC DT1018 288 SPEAKERPHONE F108-0706-8111 75 4 F128-0337-8101 35 10"1 MS M ENGRO NET DATA C/B SW SW009500 MN1 1052 CUST ENGRG FOR MIMS DATABASE SW009600 MNC 1053 EMML TERMINAL (IBM PC BASED GTIEMM 1054 36-PORT TELECONFERENCING SYSTEM TEMPO MB 1055 SLT SPEAKERPHONE UNIT KX-71020 1056 SLT AMPLIFIED HANDSET W-6 2 1057 MANAGEMENT SYSTEM W/4 CRT GTI/TSI/MS-4 PS-48V 1 1059 UNIVERSAL PS BATT/BACKUP SUBSYST UPS-48V 1060 INITIAL SPARE PARTS KIT Not Applicable Not Applicable 1062 VOICE STATION LINES/DID EQUIPPED Not Applicable 1963 [Reserved] (Reserved)

501	LICITATION: RS-IRM-82-344	U.S. NUCLEAR REQULA					BAFO	FILE	
SCH	HEDULE B - ITEMIZED PRICE LIST - LTO	P-60 INSTALLATION A	ND MAINTEN	ANCE			1000	DATE	
		NRCOC: Bethesda	MD		LOT	ACCORDINATE OF	MUNICIPAL PRINCIPAL PRINCI	TIME	12:0
F-240000	STORY OF STATE OF								
FIE FARE	A STATE OF THE STA	Color to American Service Colores America Colores	1				Tell Will		
		E	1	UNIT PRICE	THE RESERVE OF THE PARTY OF THE	-	QUANTITIE	5	
	c		G	T	K	N	0 0	R	5
CLIN	ITEM DESCRIPTION	MODEL OR		INCTALL.	TAMOM	DATE AND PARTY OF THE PARTY OF	YR-2 YR-	and the same of the same of	-
NO.	OR NOMENCLATURE	PART NUMBER	LTOP-60	INSTALL.	NOT WAY	174-1	Lin. K. In.	1111111	de santi
			- ACCUPATION OF THE PERSON OF			20	2 3		T
001	SOL LINE SET WIO MW	260100M0E20M				28	-	+	-
002 RS	EMML SOFTWARE	301976-05	-			1	-	1	-
OC 3 195	TPCTY SOF IWARE	36.061-05				outstanding			
OCH RS	MCPR S.W. RTUE CONFIG	350157.05							
006 BS	PREFORMATTED BLANK DISK	350193-05				15		1	
507 R5	MCPR S W RT WERE PCONFIG	360231-05				1		-	-
008 R5	USER DOCUMENTATION PKG	350435-01				1		-	-
009 JBA	SIC CAS PACKAGE TE XL M-RS	360439-01				1	-	-	-
C10 8A	SIC LTU PK FOR LTUP BIRE MARS	350441-0				2		-	-
1 1998	MINIS ANALOG MASTER PACT PI	350443-0	- 550			-		-	-
512 BA	SIC CAR PACK SHAPE OF MS. DE	360449-01 360447-01		1			-	-	-
C 3 A 10	ANALOG N. STER PACK RS	350450-01	THE STATE OF					-	1
A S S	ST FWDI 3 ENHANCEMENT RE	350464-07				1			
CLETEX	PANDET SPEED DIALING CODES RS	350464-10	TO SAME PARTY.			1		1	1
1017 JO	INT TE ANT SERVICE AS	350464-1;	I BEENERAL STREET			1		-	1
018 P/T	TRONIC E-SUPRA 1-EAR OVER/HEAD	769084-03	A RESIDENCE			3		-	-
C'9 AT	TEND CONSOLE QUICK REF QUIDE	0110-042-005	THE REAL PROPERTY.			3	-	-	+
020 ISIN	VOLE LINE TEL QUICK REF GUIDE	0110-045-005				216	2 3	-	-
021 DA	TA INTEC UNIT QUICK REF GITIDE	D110-048-005	-1-10000000			75	5 4	-	+
022 1010	S TELEPHONE QUICK REF GUIDE	D110-051-005				23	3 3	-	+
	TA TERM ADPTH QUICK REF GUIDE	D110-053-005					1	1	1
	F CABLE A-F276D1 M	E068-1356-8101				1			
	ARM SENDER	E078-1074-8401				3			
527 BU	SY LAMP FLO DIRECT STA SELEC	EC78-1075-8001				3	DESCRIPTION OF THE PARTY OF THE		
	XER TRUNK CARD	£169-3001-R460				1		-	-
1029 44	EAM TIE TRUNK CARD	F168-3001-R990				3		-	-
1030 NIC	GHT BELLICODE CALL INTEC CD	E168-3003-R280				1	-	-	-
	YOLE LINE TELEPHONE CARD	£158-3003-R310				1		-	+
1532 RIA	NGER GENERATOR CARD	E168-3003-R530				1		-	+
1033 IMC	DOEM POOL CONTROLLER CARE	£168-3003-9660 £168-3007-#430				1	A CONTRACTOR OF STREET	-	-
	S LINE CARD	E168-3008-R250				11	A SCHOOL SECTION AS PROPERTY AND ADDRESS OF THE PARTY.	4	
ALE DE	RIPH BUS CTL CARD 4-DMA	E168-3008-H540	7			-			
	GITAL LINE CARD - 16 28 + D	£168-3009-R150				1 5			
	LS GS TK CARD A (Std 600 OHM	E168-3009-8170				3 2			1
039 ON	NE WAY DID TRUNK CARD	E168-3009-8770				2			-
1040 SV	VITCHING NETWORK CARD B RS	£168-3015-9590	100,100,000			2		-	-
1041 AT	TTENDANT LINE CARD RS	E158-3015-9830	- 1.1			1	ASSESSMENT OF THE PARTY OF THE	-	-
	WER FAILURE TRANSFER CARD	E168-9900-R000				1		-	-
D43 CA	BLE DUCI	E210-0041-7512#USA				1 5 1 2 23		-	-
	T POWER IEH CONNECTION	E 660-2506-T662#10				6	1	-	1
	M TRUNK/PFT CABLE	E 660- 2506- T 662 #9				1		-	- Contract
	BLE MDC MODEM CABLE A	E 650-2506-1760#5				2			I
	ATA TERMINAL ADAPTER	F108-0705-K001				23	5 6	2	-
	C DT1018 288 SPEAKERPHONE	F108-0706-8111				75	5 1	1	-
1050 57	AND-ALONE DIU TO 19 2 KBPS	F128-0337-8101				35		-	-
1751 M	SIM ENGRO NETIDATA DISSW	5W009800 MN1	_		1.01876	1	-	-	-
	IST ENGRG FOR MIMS DATABASE	SW009600 MNC					-		+-
	AML TERMINAL (IBM PC BASED	GTIEMML	-			1 1 2 2 2		-	+
	PORT TELECONFERENCING SYSTEM	TEMPO MB		90 To 31			1		-
	I SPEAKERPHONE UNIT	KX-T1020 W-6	- 100 2 K R L K			2		1	1
	T AMPLIFIED HANDSET ANAGEMENT SYSTEM WILL CRT	GTITSIIMS-4				1	1	THE PERSON NAMED IN	1
	WER SUPPLY SUBSYSTEM	PS-LRV				1			I
1059 UA	VIVERSAL PS BATT BACKUP SUBSYST					1			I
1050 IN	ITIAL SPARE PARTS KIT	Not Applicable				1			1
1061 OF	PPM - HOURLY CHARGE	Not Applicable						-	1
1062 VC	DICE STATION LINES DID EQUIPMED	Not Applicable				231	7	7	1
	eserved	(Reserved)	BESTER BESTER BUT AND A STATE OF	THE RESERVE OF THE PARTY OF THE	THE PROPERTY OF THE PARTY OF TH		1		1



ITEM DESCRIPTION	MFR PART#	QTY PROV'D
BASIC CAB PACK	360370-01	1
FLOPPY DISK DRIVE	E15B-0080-C002	The state of the s
HARD DISK DRIVE (40MB)	E158-0099-C001	
MISC CONTROL CARD	E16B-3003-R550	
CLOCK DISTRIBUTOR CARD	E16B-3005-R350	
DIGITAL LINE CARD	E16B-3009-R150	
T-1 TRUNK PACK	360348-01	
ISDN/PRI & T1 W/SYNC CD	E168-3006-R950	
SINGLE LINE TEL CARD	E16B-3003-R310	
CO LS/GS B. / TK CD 600 OHM	E16B-3009-R170	
MIXER TAJNK CARD	E16B-3001-R460	
DTMF CARD	E168-3003-R710	
TONE DETECTION CARD	E16B-3003-E017	



S	COLIGITATION: RS-IRM-92-344  CHEDULE C - INTEREST RATES AND FAC	U.S. NUCLEAR REGULATORS		LOTS: 1-4	AFO FILE NAC DATE ON/O TIME 12:00
B LTOP TERM (in Mos.)	D  MARGIN PERCENTAGE	F TREASURY CONSTANT MATURITY TERM	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.)



(Expressed	as % of Purch	aca Price)		BAFO
FOR LTOP P	ane canoeled	THE PROPERTY OF THE PROPERTY O	ndh:	on of the same of
Month	LTOP	LTOP	LTOP	LTOP
Turn'd	24	30	44	80
0		•		
1 2				
3				
4 5				
7 8				
9				
10				
12				
13				
15				
16				
18				
19				
21				
22	9.31 % W			
24	0 00%			
26	0.00%			
27	0.00%			
29	0 00%			
30	0.00%			
32	0.00%			
33	0 00%	8.91%		
35	0.00%	3.35%		
38	0.00%	0.00%		
3.8	0.00%	0.00%		
39	0.00%	0.00%		
41	0.00%	0.00%		
43	0.00%	0.00%		
44	0.00%	0.00%		
46	0.00%	0.00%		
47	0.00%	0.00%	March Street	
48	0.00%	0.00%	0.00%	
50	0.00%	0.00%	0.00%	
51	0.00%	0.00%	0.00%	
53	0.00%	0.00%	0.00%	
54	0.00%	0.00%	0.00%	
50	0.00%	0.00%	0.00%	
57	0.00%	0.00%	0.00%	
59	0.00%	0.00%	0.00%	
80	0.00%	0.00%	0.00%	STREET, FORDING



	SCHEDULE D - TARIFFED CHARGES	U.S. NUCLEAR REGULA	TORY COMMIS	MOIS			BAFO	A CANAL STREET, S.	FILE	11000
PORTECT OF	COLUMN A - REGIONALOCATION =	NRCOC: Batherde	MD		LOT:	1	1			16:3
CLIA	C ITEM DESCRIPTION OR NOMENCLATURE	TARIFF (LEC) REFERENCE	E NONRECUR UNIT PRICE	G RECUR UNIT PRICE		INCR 01- 80	EMENT	AL Q	O TY PEF 37-	I Q
400	COLOOP Line	CAP TEL COMPANY	\$121.00	A . 7 . 7	NAME OF THE OWNER, STORE	N. DENIMORE	PROPERTY	NUMBER OF	CHEMICANO	desause
400	OID Line	CAPTEL COMPANY	121.00	48.82	A place of the last of the las	10	-	-	-	25
4003	OID Station/20 Stations	CAP TEL COMPANY	121.00	4 00	**********	18	-	-	-	25
4004	CO FTS2000 Access Line	CAP TEL COMPANY	121.00	17.17	*************	11	-		-	15
4005	FX Line	CAP TEL COMPANY	121.00	79.58	Cerestral executant una	marine and	-	-	-	35
4008	OUT WATTS Line	CAP TEL COMPANY	121.00	47.42	-	18		-	-	25
4007	OUT WATTS House 0-15	CAP TEL COMPANY		14 40	-	3	-	-		5
4008	OUT WATTS Houre 15.1-40	CAP TEL COMPANY	1	13.14		-	-	-	-	5
4009	OUT WATTS Hours 40.1-80	CAP TEL COMPANY	1	11.91	N. STEEL STATE OF THE PARTY OF	1		***********	-	-
4010	OUT WATTS Hours BO 1-140	CAPTEL COMPANY		10 55	THE REAL PROPERTY.	1	-	-	-	
4011	OUT WATTS Hours 140 1-220	CAP TEL COMPANY	1	8 99	-	-	-	-		-
4012	OUT WATTS Hours 220 1-XXX	CAP TEL COMPANY		6 85	-	1	-	-	-	
4013	OPX Line	CAPTEL COMPANY	121.00	41.00		88	-		-	-
4014	OPX Type A Signaling	CAP TEL COMPANY	1	11.25	-	98	-			100
4015	OPX Type 8 Signaling	CAP TEL COMPANY	-	0.85		-	-+	-		TATE OF THE PARTY NAMED IN
4018	OPX Type C Signaling	CAP TEL COMPANY		1.30	****	88	-		-	-
40.7	(Reserved)	THE RESIDENCE PROPERTY AND VALUE OF THE PARTY OF		-		99	-	-		100
48	(Reserved)	The second section is the second seco	1	-	Total State Charles	-	-	-	-	******
4019	(Reserved)	PR:			***********		-	-	-	-
4020	(Reserved)					-	-	-	-	
4021	(Received)		-	-		-	-	-	+	-
4022	(Received)			-	TO SHARE SHOW	-	-		-	
40.23	(Reserved)	-		-			+	-	-	-
4024	Reserved	The state of the s	PRINCE SECURE ASSESSMENT NAME OF THE PRINCE	***************************************		-	-		-	*****
4025	(Reserved)	The same and the s		-			mala		-	-

REP's "Equipped Capacity" quantity is reflected in column "01-80".

REP's "Projected Maximum Capacity" quantity is reflected in column "49-80".



SOLICITATION: RS-IRM-92-344	OURSEMENTS		BAFO	FILE: DATE:	NRC 08/04
SCHEDULE F - EQUIPMENT ROOM RE NRCOC: Bethesda MD	LOT:	17	and the	TIME:	12:08
VACOC: Bethesos Mis					
ITEM DESCRIPTION	Insert Total Require	d for Period I	Beginning with	h Month:	
OR NOMENCLATURE	00-12	13-24	25-35	37-48	49-60
Power Consumed (KWH)	16,048	15,048	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	Andrew Control of the Control	<u> </u>			
Total Cost Evaluation for Power		For 60 Month	ns		
Total Cost Evaluation for Space		For 60 Month	ns		
Total Evaluated Cost	\$12,483.35	For 60 M	lonths		

#### 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: AS IRM 82 344 SCHEDULE A - ITEMIZED PRICE LIST - PUR	U.S. NUCLEAR REGULA					1111111	3.3	DATE	08/0
	SCHEDULE A - TIEMEED THICK EIGH	REGION ! King of Pro			LOT	2			TIME	
288			e sel const	HENRY S		ALC:	<b>经验</b>			
CARCON		The second secon			NAME OF THE OWNER O					
name and	C	E		UNIT PRICE			QUAN	TITIES	-	*****
LIN	ITEM DESCRIPTION	MODEL OR	G	1	K	11	0	0	A	
NO.	OR NOMENCLATURE	PART NUMBER	PURCHASE	ENSTALL	MO/MNT	YA-1	YR-2	YR-3	YR-4	YF
nan Cascarrell	41.4.1			and the same of the same of		-	***************************************	THE REAL PROPERTY.		_
001	SOL LINE SET WIO MW	260100M0E20M	10000			248	13	14	15	-
CAC 2	RS EMML SOFTWARE	301976-05	1-000			-	-	-		-
003	HE TP/TY SOFTWARE	360061:05	1-02000			1		and the same	- Property	-
004	AS MCPR SAW ATU BEEN CONFIG	360114 05	1-888			1		-	and the same of	iniae
	RE ME'S FLOPPY DISK &" AT SEWE	360192-05 360193-05				15	-		error ambere	-
	RE PREFORMATTED BLA . DISK	360231-05	1-66666					-	THE REAL PROPERTY.	-
	AS MCPR SW RTUBE OF JONEIG	360435-01				1			CONTRACTOR OF	
	BASIC CAB PACK SESSES EXTE XL M.R.S.	360439-01	1 10000000				-		a annual designation of	
	BASIC LTU PK FOR LTUP TO MARS	350441-01	1 1000000					-		
	MANUEL PANALOG MASTER PACKIRS	350443-01	A SHORTH						-	
	BASIC CAP PACKARENTEEN TE MS RS	360449-01	I DESCRIPTION					1	pinin Removal	_
313	ANALOG MASTER PACK-RS	350447-01	I DESCRIPTION OF THE PERSON OF			1	-			-
11.6	BASIC LTU PL FOR MESTER TUP MS-R5	360450-01				3				-
015	SYST FWDING ENHANCEMENT AS	360464-07	1 3 3 10	The state of		-	-	-	acatement of	-
	EXPANDED SPEED DIALING CODES RE	360464-15				-	-	-	-	-
india-acutivizing	JOINT TENANT SERVICE AS	360464-1;		No. Park			-	-	-	
	P TRONIC E SUPRA 1-EAR OVER HEAD	769084-03	1-1999		A CHARLES	-	-	1	-	-
019	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005				254	13	14	15	-
	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005				151	13	4	4	-
	DATA INTEC UNIT OUICK REF GUIDE	D110-049-005	4-84888		taling day yar	79	2	3	3	
077	DIG TELEPHONE QUICK REF GUIDE	D110-051-005 D110-053-005	4-6638808			14			1	-
	DATA TERM ADPTR QUICK REF GUIDE	F008-0278-E102	1-300000			-	-	and the second second	picrospictions is	-
and the Property	ILTE CABLE A-F276D1 /M	E068-1356-8101				1	-		- section of	-
	HAC-ATTENDANT CONSOLE	E078-1074-840	1-99888			2 1		1	PERSONAL PROPERTY OF STREET	-
007	BUSY LAMP FLO DIREC" STA SELEC	F078-1075-80	T MARKET			1		1		-
	MIXER TRUNK CARD	£168-3001-R460	T BEST	<b>建建物的 新</b>		1				
	AW EAM TIE TRUNK CARD	£168-3001-R990	T Market			3				
	NIGHT BELLICODE CALL INTEC CO	£168-3003-R280				1				_
031	SINGLE LINE TELEPHONE JARD	£168-3003-R310				11	1	1	1	-
	RINGER GENERATOR CARD	£168-3003-R53*		1.		1	-	-	-	-
235	MODEM POOL CONTRILLER CARD	E166-3003-R56:					-	-	-interiors	-
	CHARACTER TRUNK . ARD	E168-3007-R430				3 2	-		-	-
	TOPE LINE CARD	£168-3008-8250	1 100000000				-	AND DESCRIPTION		-
and the second	PERIPH BUS CTL CARD A DMA	E168-3008-R540				1	-	1	er észent Almen	-
	IDIGITAL LINE CARD . 16 28 + D	E168-3009-R150	1-10000000			15	-	-		-
	ICO LS GS TK CARD A ISIS 600 OHM	£168-3009-R170				11	-	-	-	-
613	ONE WAY DID TRUNK CARD	E168-3009-8770 E168-3011-R690	1			1	-		-	1
040	SWITCHING NETWORK CARD B RS	E168-30 - 8590	THE STATE OF			Section Section 1	-	THE RESERVE	-	1
043	POWER FAILURE TRANSFER CARD	E168-9900-R000				1		no har emen	-	
	ICABLE DUCT	E210-0042-T512#USA	Ti.					ī	-	1
	ATT POWER (EH CONNECTION)	£660-2506-7662*10								I
	IE &M TRUNK PET CABLE	1660-2506-166248				5				1
	ATT POWER IEG CONNECTION	E660-2506-T662#9				5				
	CABLE MOC MODEM CABLE A	E660-2506-1760#5							-	1
	CATA TERIANAL ADAPTER	F108-0705-K001				14		1	1	
	HAC DT1014 288 SPEAKERPHONE	F108-0706-B111				79	2	3	3	1
050	STAND-ALO' F DIU TO 19.2 KBPS	F178-0337-8101	1000			151	4	4	4	1
	MS/MENGP NET/DATA D/8 SW	5W009500 MN1					-	-		-
052	CUST ENGRY OR MIMS DATABASE	SW009800 MNC	T. 1972				-	number of the	-	-
053	EMML TERM . AL JIBM PC BASEDI	GTIEMM				1			-	-
054	36-PORT TELECONFERENCING SYSTEM	TEMPO MB	<b>一种的技术</b>			-	-		-	+
055	SLT SPEAKERPHONE UNIT	KX-T1020	-			62	4		1	
	SLT AMPLIFED HANDSET	W-6	- Table 2.15			13	1	-		+-
	MANAGEMENT SYSTEM WIA CRT	GTI/TSI/MS-4	-		A CONTRACTOR OF THE CONTRACTOR	1	-	mouth makes	Personani	-
058	POWER SUPPLY SUBSYSTEM	PS-48V	- 7000000		٠,	-	****	-	AND WHEN THE	+-
	UNIVERSAL PS BATT BACKUP SUBSYST	UPS-ABV				1	-	Contraction of the last	-	1-
	INITIAL SPARE PARTS KIT	Not Applicable			1	56		96	96	t
	OPPM - HOURLY CHARGE	Not Applicable			THE REAL PROPERTY.	228		18	18	
1367.7	VOICE STATION LINES/DID EQUIPPED	Not Applicable	DI BOXESSESSIMBLES		BORTON WHEN THE	2.69	-	-	processore for	gran



	SCHEDULE B - ITEMIZED PRICE LIST - LTC	P-24 INSTALLATION A	NO MAINTEN	ANCE					DATE	08/
		REGION ! King e' 'n			LOT	2			TIME	12
			\$ 1,40 K NZ	doctal						
			<u> </u>		-	-		-	-	Marie Sales
	C	£	-	UNIT PRICE	-	***	DUAN	manufacture of	Section 201	-
CLIN	ITEM DESCRIPTION	MODEL OR	LTOP.24	INSTALL	MO/MNT	N	YR-2	0	R	- 5 VB
NO.	GR NOMENCLATURE	PART NUMBER	THE PARTY NAMED IN	T ALS LY L'Y	MACA MONZOON	111-1	1111-61	111-3	111-4	1.10
1001	SELECTION SOLLINE SET W/O MW	250100MOE 20M	1			248	13	14	15	
Accession from the second	RS EMML SOFTWARE	301976-05				1				
	RS TP/TV SOFTWARE	360061-05				-		e-company and	-	
1004	RS MCPR SAV RTUNNING CONFIG	360 14-05				1	-			1
	95 MS S FLOPPY DISK BOOT SEWE	360192-06				1		and the contract of the contra	-	_
1006	RS PRIFORMATTED BLANK DISK	360193-05	TO AND TO LARE			15	-	manage on a		-
207	RS MUPR S W RTURNING CONFIG	360231-05		440			-			-
1008	RE USER DOCUMENTATION PKG	360435-01				1	-	-	Carrier Street,	_
1 009 J	BASIC CAB PACK MANDES TF XL/M-R5	360439-01				-	-	-	-	-
1010	BASIC LTU PK FOR LTUE MENT MAL MAS	360441-01				-	-	-		
1011	MEMBERS ANALOG MASTER PACK RE	360443-01				-	-	-		-
	BASIC CAR PACKARENTE TE MS-RS	360449-01				-		1	-	-
	PERENDO ANALOG MASTER PACK-RS	360447-01	A DESCRIPTION OF THE PARTY OF T			1		-		1
1014	BASIC LTU PK FOR THE LTUP MS-R5	360450-01	A MANAGER			3	-			-
1015	SYST FWOING ENHANCEMENT RE	360464-07	1 83822883			-	-	AND MERCHANIST AND	-	-
1016	EXPANDED SPEED DIALING CODES AS	350454-10	1 2002 1000	Digitally Live		1	-	The Republic	-	-
1017	JOINT TENANT SERVICE RS	360464-12				-	-	-	-	-
1018	PITRONIC E-SUPRA 1-EAR OVERMEAD	769084-03				1		1	-	_
019	ATTEND CONSOLE QUICK REF GUIDE	Q110-042-005				1	AND RESIDENCE AND ADDRESS OF THE PARTY NAMED IN COLUMN TWO PARTY NAMED IN COLUMN TO THE PARTY NAMED IN	1	-	-
	SINGLE LINE TEL QUICK REF QUIDE	D110-045-006	A REPORT OF THE PARTY OF THE PA			264	1 13	14	15	1
10211	MATA INTEC UNIT QUICK REF GUIDE	D110-049-005	1			151	4	4	4	
021	DIG TELEPHONE QUICK REF QUIDE	0110-051-005	A DESIGNATION			79	2	3	3	
1023	DATA TERM ADPTR QUICK REF QUIDE	0110-053-005				14		1		
	ILTE CABLE A F276D1 /M	E008-0276-E101								
amenica esta esta esta esta esta esta esta est	ALARM SENDER	E068-1356-8101				1				
	HAC-ATTENDANT CONSOLE	E075-1074-8401	Market State			1		1		
	BUSY LAMP FLO DIRECT STA SELEC	E078-1075-8001	LONG THE	1				1		
	MIXER TRUNK CARD	E168-3001-R460				1				
	AW ESM THE THINK CARD	E168-3001-R990				3				
1020	NIGHT BELL/CODE CALL INTEC CD	E168-3003-R280	THE RESIDENCE OF THE PARTY OF T			1				
1031	SINGLE LINE TELEPHONE CARD	5168-3003-R310				11	1	1	1	
	RINGER GENERATOR CARD	£168-3003-8530				1	- Control of			
	MODEM POOL CONTROLLER CARD	£168-3003 R560							-	1
	ICHARACTER TRUNK CARD	£168-3007-9430				3	-		-	-
	OPS LINE CARD	L168 3008 R250				3	-			1
	PERIPH BUS CTI CARD 4-DMA	E168-3008-R540				1		DATE OF THE PARTY	-	1
	DIGITAL LINE CARD - 16 28 + D	E158-3009-R150				15		1	**********	1
	CO LS GS TX CARD A ISTA BOO OHM	£168-3009-R170				11		- Chargeston	-	1
		E168 3009-R770				2		- North College	CAT PARKET	+
	ONE WAY D'D TRUNK CARD	£166-3015-R590				1		and the second	THE REAL PROPERTY.	-
	SWITCHING NETWORK CARD B RS	£168-3015-R830					A CONTRACTOR	marks method		1
	ATTENDANT LINE CARD RS	£168-9900-R000	THE STATE OF			1	Charlemanners of	TORSE MAN	********	-
	CABLE DUCT	E210-0042-T512#USA				I	The same of	1	-	1
		£ 660- 2506- T662#10				-	-	- married		-
	ATT POWER SEH CONNECTIONS	F660-2506-1662#8	100			-	-	THEFT	-	1
		[660-2506-7652#9				- 5	-	arminia seriang		-
	ATT POWER IEG CONNECTION	THE RESIDENCE AND PARTY OF THE PROPERTY OF THE PARTY OF T		Mark Services		-	+	-	-	-
	CABLE MOC MODEM CABLE A	1660-2506-T760#5				1.4	-		- CANADA	+
	DATA TERMINAL ADAPTER	F108-0705-K001				79		1	1	
	HAC DT1018 288 SPEAKERPHONE	F108-0706-8111	-	<b>艾克斯斯</b> 克斯				3	3	-
	STAND-A , ONE DIU TO 19 2 KBPS	F128-0337-8101	- 300	200200000000		151		********	4	+-
	MS M ENGRO NETIDATA DIB SW	5W009600 MN1				1	+	ereasuring.	-	+
	CUST ENGRG FOR MIMS DATABASE	SW009600 MNC	-			1	-		-	+
	EMML TERMINAL (IBM PC BASED)	GTIEMIAL	-				-	-		+
	36 PORT TELECONFERENCING SYSTEM	TEMPO MB				a reconstruction of	+	e-menters	-	+
	SLT SPEAKERPHONE UNIT	5X-11020				62	4	3		
	SLT AMPLIFED HANDSET	W-6				13	1	-	1	+
	MANAGEMENT SYSTEM WIL CRT	GTI/TSI/MS-4				-	-	-	-	1
1058	POWER SUPPLY SUBSYSTEM	P5-48V				1	1	-	-	1
	UNIVERSAL PS BATT BACKUP SUBSYST	UPS-48V				-	-	-	-	1
	INITIAL SPARE PARTS KIT	Not Applicable				1			1	1
	OPPM - HOURLY CHARGE	Not Applicable				56	96	96		
1.30 30 5						228	15	18	18	



5	SOLICITATION: RS IRM 82-344 SCHEDULE B - ITEMIZED PRICE LIST - LTO	P-38 INSTALLATION AL	NO MAINTENA	NCE	P				DATE	
		REGION ! King of Pro		and the same of th	101	2	NO DESCRIPTION OF	(SDESINE)	TIME	12:
SHEET STATES	A. P. P. T. C.	The state of							ATT.	
SECTION .	Chair and concluded wanted by the same burning of the same of the									
-	Ç	E		UNIT PRICE		(	MAU	TITHES		
	ITEM DESCRIPTION	MODEL OR	0	1	K	N	0	Q	R	
-LIN		PART NUMBER	LTOP-36	INSTALL	MO/MNT	YA-1	YR-2	YR-3	YR-4	YF
40	OR NOMENCLATURE	Commission of the Commission o		and the second s	Contractor and an expense of					
201	ATTENNE SET WID MW	260100MOE20M	TO SERVICE SERVICE			248	13	14	15	
552	RE EMML SOFTWARE	301976-05	I SEE TO			1	-	-	re-regulate	_
003 [	RE TPITY SOFTWARE	350051-05	11111			1	*****	-	-	-
004	RE MCPR SW ATU BERNEL CONFIG	360114-05	1 11 11 11 11 11			1	-	-	-	-
	RE MS/S FLOPPY DISK BOOT SEWE	350192-05	-1			15	-	nvinovice)	-	-
	PREFORMATTED BLANK DISK	360193-05					- Carrier	ORIGINE SATISFIE	or the second delication is	
	RE USER DOCUMENTATION PKO	360435-01				1	ALC: U			
004 18	BASIC CAB PACKS	360439-01					-		-	
010 1	BASIC LTU PL FOR LTURES TO LIM-RS	360441-01				-	and the same of	MARK THE STREET	-	-
11 1 tegs	PROBLEM ANALOG MASTER PACK-RE	360443-01	4			-	-	-		-
~12 1	BASIC CAB PACEMENT TE MS-RS	360449-01	T STATE OF S			-	MICE TO THE	en-		-
213.60	AND THE PACK HE	360447-01	- Balletin			3	**********	en reprise	-	-
214 11	BASIC LTU PK FOR MENT PE	360450-01				-	-		-31-010401444	-
016	SYST FWDING ENHANCEMENT RS EXPANDED SPEED DIALING CODES RS	350464-10	· Salar			1	-	-		T
	JOINT TENAN SERVICE RS	360464-12				-				
318	PITRONIC E.S. PRA 1. EAR OVER HEAD	769084-03	T DESCRIPTION			1		1		
2191	ATTEND CO. TOLE QUICK REF QUIDE	D110-042-005	I I SOUTH			1	-	1	NAME AND POST OF	-
020 1	SINGLE LINE TIL QUICK REF QUIDE	0110-045-004				264	13	14	15	
021 1	DATA INTEC UNIT QUICK REF QUIDE	D110-049-005	4-1000000			151	-			+-
	DIG TELEPHONE QUICK REF GUIDE	0110-051-005	4-10000000			79	-	3	1	+
2271	DATA TERM ADPTE QUICK REF GUIDE	D110-053-005				-		-	-	-
74	TE CABLE A F276D1 M	E008-0276-E101	1-000000		4	1	CATTLE OF ACTUAL	IN NATIONAL PROPERTY.	*******	1
	ALARM SENDER HAC ATTENDANT CONSOLE	E078-1074-8401				1		1		
227 1	BUSY LAMP FLD DIRECT STA SELEC	E078-1075 5001				1	no absterne	1	-	-
	MIXER TRUNK CARD	E168-3001-9460				3	-		-	-
029 10	4W EAM TIE TRUNK CARD	£168-3001-8990				3	And Street or the	-		-
6331	NIGHT BELL CODE CALL INTEC CO	£168-3003-R780	1-6000000			- 11	-		-	-
231 1	SINGLE LINE TELEPHONE CARD	E168 3003 P310					-		-	+
	RINGER GENERATOR CARD	E168 3003 9530				-		a commont	-	1
	MODEM POD. CONTROLLER CARD CHARACTER TRUNK CARD	E168-3007-R430	1 000000			3	AND STREET, SEE	design control		
	OPS LINE CARD	E168-3008-9250				3		producer in the last		I
C36 U	PERIPH BUS CTI CARD 4 DMA	E168-3008-R540				1		ereki remoi	-	-
	DIGITAL LINE CARD - 16 28 + D	E168-3009-R150				15	-	1		-
C38 H	CO LS GS TK CARD A ISIN 600 OHM	E168 3009-R170				11	-	****		-
	ONE WAY DID TRUNK CARD	£158 3009.8770	4-1388388			2		-	-	+
	SWITCHING NETWORK CARD B RS	£168-3015-R590	1			1	-	DITUSTINE OF		1
DATE:	ATTENDANT LINE CARD RS POWER FAILURE TRANSFER CARD	£168-3015-R830 £168-9900-R000	1 3 3			1	Man Trackers	- CONTRACT	-	1
	CABLE DUCT	E210-0042-T512#V5A	1			1	NAME OF	1	-	
	ATT POWER (EH CONNECTION)	E660-2506-T662#10	M Parket						-	-
	EAM TRUNK/FFT CABLE	E660-2506-T662#8			200 h	5	-	and the same	-	-
046	ATT POWER IEG CONNECTION	£660-2506-166249				1	-	-	-	+
047	CABLE MOC MODEM CABLE A	E660-2506-1760#5					-		-	-
048	DATA TERMINAL ADAPTER	F108-0705-K001	-1-33			79	-	3	3	+
	HAC DTIDIE 288 SPEAKERPHONE	F106-0706-8111	1			151	PARTIE -	4	A	+-
	STAND-ALONE DIU TO 19 2 KBPS MS/M ENGRO NET/DATA D/B SW	F128-0337-8101 SW00960C-MN1	1				-	-	-	-
	CUST ENGAG FOR MIMS DATABASE	SW00960. MNC	T MARKET			-	and settlement out	- Contraction of the Contraction		I
	EMML TERMINAL (IBM PC BASED)	GTIEMM.	I MARKETS			1				1
054	36 PORT TELECONFERENCING SYSTEM	TEMPO MB	I MARY			1	-	-		1
055	SLT ST AKERPHONE UNIT	KX-11020				62.	4	1		
056	SLT AMPLIFED HANDSET	W-6				13	1	-	1	+-
057	MANAGEMENT SYSTEM WIA CRT	GTI/TSI/MS-4	- Landard			1	ned more	-	-	-
058	POWER SUPPLY SUBSYSTEM	PS-48V	-1-4			1	***	-		+
959	UNIVERSAL PS BATT/BACKUP SUBSYST	VPS-4BV	THE REAL PROPERTY.	All Park		1	-	CHARGES SHE		-
060	INITIAL SPARE PARTS KIT	Not Applicable	T MARKET			56	96	96	96	
061	OPPM - HOURLY CHARGE VOICE STATION LINES/DID EQUIPPED	Not Applicable				228	15	18	of ancreases	
WWE	(Reserved)	(Reserved)	THE PROPERTY OF STREET			-	-		1	1



4. 1	SOLICITATION: RS IRM 82 344	U.S. NUCLEAR REGULA					SAFO		FILE	200
/	SCHEDULE B - ITEMIZED PRICE LIST - LTO			7	107	2	1		TIME	
eneroscae	NAME OF TAXABLE PARTY OF TAXABLE PARTY.	REGION I King of Ph	PURINAME TAKEN	THE REPORT OF	MAN PLANSES OF	<b>LIBROR</b>	STATE OF THE PARTY	ASSESSED N	NAMES OF TAXABLE PARTY.	AT SEC.
			RECOGNISION WATER			<b>MANAGE</b>	TANKS OF STREET	EDENCHO	CENTRAL	STATE OF
		CONTRACTOR CONTRACTOR AND CONTRACTOR AND CONTRACTOR CON	-				ALLAN	TOTAL O	-	memous
	C	€		UNIT PRICE		-	MAUD	Secure and address of the	Property and	-
LIN	ITEM DESCRIPTION	MODEL OR	0	1	K	N	0	a	A	- 1
ON	OR NOMENCLATURE	PART NUMBER	LTOP-48	1 MISTALL	MO/MNT	YR-1	[ AH- 3]	YR-3	YR-4	YP
nationed.			SATES STATES OF THE SAME OF TH	STATE OF THE PARTY	UCANA SPACE AND	-	-	prisonere e	prisoner re	· ·
001	COMPONE STAN SOL LINE SET WIO MW	260100MOF 20M				248	13	14	15	-
002	AS EMML SOFTWARE	301976-06					-	-	-	-
003	RS IPTY SOUTWARE	360061-05					-	-	COLUMN TOWNS OF	-
	RS MCPR S W RTU SEE CONFIG	360114-05				-	-	entrante en		-
	RS MB/S FLOREY DISK BOOT SEWE	360197-05	-			15	-	n. AND DESIGNATION OF	-	-
	95 PREFORMA LIED BLANK DISK	360193-06				-		increated where	and distances in	-
007	RS MCFR S W ATURE CONFIG	350231-05 360435-01				1	-	Carconteles		
OOB ;	RE USER DOCUMENTATION PEG.	360439-01				-				
010	BASIC LTU PE FOR LTUR SERVICE TA RE	360441-01								
011	SUBSEST ANALOG MASTER PACK PS	350443-01								
012	BASIC CAB PACKERS EXTEMS:85	360449-01	1984			-	-	1		
013	WESTER PACK-RE	360447-01				1		-		-
014	BASIC LTU PE FOR MENTE TUP MS-RS	360450-01				3	-	received to the	-	-
015	SYST PWDING ENHANGEMENT PE	3/1/464-07				-	-		****	-
016	EXPANDED SITED DIALING COOKS AS	253464-10				-	-	realist conferen		
	JOINT TENANT SERVICE RS	350464-17				1	-	anamori	-	-
018	PITHONIC E SUPRA TOLA OVERHEAD	769084-03				-		-	- sometime	-
	ATTEND CONSOLE QUICK REF GUIDE	0110-042-005				264	13	14	15	
	SINGLE LINE TEL QUICK REF GUIDE	0110-045-005 0110-049-006				151		4		1
071	DATA INTE UNIT QUICK REF GUIDE	D110-631-006				79		3	3	-
022	DATA TERM ADPTR QUICK BEF GUIDE	D110-033-005				14		1		
	ILTE CABLE A-F27601 /M	E008-0276-E101								
	ALARM SENDER	FOSR-1356-8101			alle 🕡	1		-		
	HAC-ATTENBANT CONSOLE	EC78-1074-8401				1	-	1		-
027	BUSY LAMP FLO DIRECT STA SELEC	E078-1075-8001				1	-	-	-	-
	MIXER TRUNK CARD	E168-3001-8460				1		-	****	-
029	4W E&M TIE TRUNK CARD	E168-3001-P99				3	-		-	-
	NIGHT BELL CODE CALL INTEC CO	E16B-3003-R:				11	A STATE OF THE PARTY NAMED IN	1	1	-
	ISINGLE LINE TELEPHONE CARD	E168 3003 PT		versit is a		1	AND DESCRIPTIONS OF THE PERSONS ASSESSED.	-	-	-
035	RINGER GENERATOR CARD	F168 3003 FT:				-	-	Na Agranda	-	-
	MODEM POS CONTROLLER CAND	1168-3003-F150 6168-3007-8430				3	-	- minimum m	-	1
	TOME LINE CARD	E169-3008-R250				3 2	THE THE	NINNER TREA		1
	PERIPH BUS CTL CARD & CMA	£165 3008-P540				1				
	DIGITAL LINE CARD - 15 25 + D	£168 3009 R150	THE REAL PROPERTY.			15		1		
	CO LS/GS TK CARD A ISIN BOO OHM	E168-3009-R170				11				
	ONE WAY DID 17 INK CARD	E168-3009-8770				2			-	1
	SWITCHING NETWORK CARD B RS	E168-3015-R590			AAT BOOK 2	1	-			-
041	ATTENDANT LINE CARD RS	E168-3015 H830	<b>INCOME.</b>			1	-		-	-
042	POWER FAILURE TRANSFER CARD	£168-9900-R000		<b>的关系统治,</b> 通		1	+	-		-
	CABLE DUCT	[210-0042-T512#V\$A	4 SERVICE			-	-	-	-	-
	ATT POWER LEH CONNECTION	£660-2506-1662710	1	THE SALES			-		-	-
	EAM THUNK PET CABLE	£660-2506-7662#8 £680-2506-7662#9	-			5	-	-	-	+
	ATT POWER REG CONNECTION	£560-2506-166279					1	-		1
	DATA TERMINAL ADAPTER	F108-0705-K001	100			14	1	1	1	I
	HAC DT1018 288 SPEAKERPHONE	F108-0706-B111	The state of the s			79		3	3	
	STAND-ALONE DIU TO 19 2 KBPS	F128-0337-6101	T DESCRIPTION			151		4		
	MS/M ENGRO NET/DATA D.B SW	SW009600 MN1	T Particular	<b>发表的企业</b>		1		-	1	-
	CUST ENGRG FOR MIMS DATABASE	SW009600 MNC	2 00000000			1		-	-	+-
053	EMML TERMINAL (IBM PC BASED)	GTIEMML	A			1	-	-	-	-
	36-PORT TELECONFERENCING SYSTEM	TEMPO MB				a reasonable in	and or other Desirements	-	-	+
055	SLT SPEAKERPHONE UNIT	KX-T1020				62			1	+
056	SLT AMPLIFED HANDSET	W-6	- Jacobson			13	4-1	-	1	+-
057	MANAGEMENT SYSTEM W/4 CRT	GT!/TSI/IAS-4			in the second		-	-	-	+
	POWER SUPPLY SUBSYSTEM	PS-48V	-			-	+		-	-
	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V	一种的人的			1	+	-	-	-
	INITIAL SPARE PARTS KIT	Not Applicable				56	96	96	96	
061	OPPM - HOURLY CHARGE	Not Applicable	-		17.74	228	15			
C 3600	VOICE STATION LINES/DID EQUIPPED	Not Applicable	AND DESCRIPTION OF THE PERSON OF THE PE			B	Marine was	distance.	aproper of	-



	SCHEDULE B - ITEMIZED PRICE LIST - LTG	F-60, INSTALLATION A	NO MAINTEN	ANCE					DATE	08/
		REGION ! King of Pru		7	1.19	2	1		TIME	12:
	ASSESSMENT OF THE PROPERTY OF	STATISTICS OF STREET	d was the		9					116
SERVING	STATE OF THE STATE	ALC IN SECTION SECURITION AND ASSESSMENT OF SECURITION ASSESSMENT ASSESSMENT ASSESSMENT ASSESSMENT ASSESSMENT OF SECURITION ASSESSMENT ASSESSMENT ASSESSMENT ASSESSMENT ASS	1	DAY MANAGEMENT AND AND ADDRESS OF THE PARTY	-		***************************************			Material
outre over	C	E		UNIT PRICE			QUAN	TITES		-
LIN	ITEM DESCRIPTION	MODEL OR	G	1	K	N	0	0	R	T
NO.	OR NOMENCLATU'S	PART NUMBER	LTUP-60	WSTALL	MO/MNT	YR-1	YA-2	YR:	YR-4	Y
40	ON NOMENCEATO 1	and the second second second second second	CONTRACTOR STATE	NAMES OF TAXABLE	National States	a role was and	di atesas soliis	Annelson-raise	dia moneyand	-
0014	MONTH TO SET WO MW	250100MOE 20M				248	13	1.4	15	T
CONTRACTOR OF	RS EMML SOFTWARE	301976-05				1				
003	RE TRITY SOFTWARE	360061-05					contractor			
	AS MOPR SAV RTU CONFIG	360114-05				-		-	-	
mercent.	RS MS/S FLOPPY DISK BOOT SEWE	360192-06				15	-	e-selatoria	-	-
	RE PREFURMATTED BLANK DISK	360193-06				15	-	-	-	-
	AS MCPR S.W. ATTLINEAU CONFIG	360221-05 360435-01	- Maria Maria			1		-	-	-
	BASIC CAB PACKER TATION PKG	360439-01				-	-	- NUMBER	-	-
	BASIC LTU FK FOR LTUPANTA MAN AS	360441-01				-	1	THE REAL PROPERTY.	Contract service	1
211	AND ANALOG MASTER PACK AS	350443-01	115 111 11 11					-		
0121	BASIC CAS PACK THE ME HE ME RE	380449-01	No. of the last				-	1		L
213	MANUEL ANALOG MASTER PACK RS	380447-01				3	-	-	-	
	BASIC LTU PK FORMEN TUP MS-R5	360450-01				3	-		-	-
	SYST FWDING ENMANCEMENT AS	350464-07				-	ger same of the	on the later of the	-	-
	EXPANDED SPEED DIALING CODES RE	360464-10				1	****			-
announce see	PANT TENANT SERVICE RS	360464-12 769084-03				1	-	-	-	-
110	ATTEND CONSOLE QUICK REF QUICE	0110-042-005				-	ORTHODO TO	-	entre terretaria	-
	SINGLE LINE TEL QUICK REF GUID"	0110-045-005		Section 1		264	13	14	15	1
	DATA INTEC UNIT QUICK REF GUIDE	D110-049-005	THE STATE OF			151	4	4	4	
	DIG TELEPHONE QUICK REF GUIDE	D110-051-005		Contracts		79	2	1	3	
2231	DATA TERM ADPTA QUICK REF GUIDE	D110-053-005				14	-			
	LTF CABLE A F 27601 /M	F004 (176-F101		NACT OF BE	Of This		-	-		-
and the series	ALARM SENDER	EGGE 356-8101					-	*********	-	-
dated for the properties.	HAC ATTENDANT CONSOLE	E078-1074-8401				1		-		-
	BUSY LAMP FLO DIRECT STA SELEC	EC78-1075-8001				1	-	-	-	-
	AW ELM TIE TRUNK CARD	E168-3001-R460 E168-3001-R990				3	er mannersta et	P. SERVICE MANAGEMENT OF		-
mental transfer	NIGHT BELLICODE CALL INTEC CD	E168-3003-A280				1		-	-	-
	SINGLE LINE TELEPHONE CARD	E168-3003-R310				11	1	1	1	-
	RINGER GENERATOR CARD	£168-3003-8530	Mark State		XXX 8188	1				-
	MODEM POOL CONTHOLLER CARD	E166-3003-R560								
	CHARACTER TRUNK CARD	E168-3007-R430				3				
35 1	OPS LINE CARD	£168-3008-8250				3		-		
-	PERIPH BUS CTI CARD 4-DMA	£158-3008-R540	Called St.			1		-		-
	DIGITAL LINE CARD - 16 28+D	E168-3009-R150				16	<b>E</b> nderstandings	1	-	-
COMPANIES AND	CO LS/GS TK CARD A ISIN 600 OHM	E168-3009-R170				11	-	-	-	-
	ONE WAY DID TRUNK CARD SWITCHING NETWORK CARD B R5	E168-3009-R770 F169-3015-R590	<b>AND DESIGNATION</b>			1	on the state of the state of	ren/more		-
inverse region	ATTENDANT LINE CARD RS	161, 3015-R830		<b>有关的影响</b>		1	-		-	
	POWER FAILURE TRANSFER CARD	E169-9900-R000				1	-	-		-
	CABLE DUCT	£210-0042-T512#USA				1		1	-	-
	ATT POWER (EH CONNECTION)	F660-2506-1662#10								
	EAM TRUNK PET CABLE	1660-2506-166248	Acceptable and the second			5				-
	ATT POWER IEG CONNECTION	£660-2506-T66279				1	-		-	-
	CABLE MDC-MODEM CABLE A	£660-2506-1760#\$	Water Street				-	-		-
	DATA TERMINAL ADAPTER	F109-0705-K001				14		3	3	****
ve solovets	HAC DT1018 288 SPEAKERPHONE	F108-0706-8111				79	2	3	3	
	MS . : "GRD P " DATA D'B SW	F128-0337-8101 SW009600 MN1				151	4	4		-
	CUS ENGRO F MIMS DATABASE	SW009500 MNC				-	APPLANTED TO	-		n.mpts
	EMML TERMINA: IIBM PC BASEDI	GTIEMML		3. to . A		1	THE REAL PROPERTY.	MANUFACTURES.	-	**ETW
	35 PORT TELECONFERENCING SYSTEM	TEMPO MB				-		-		W S S S
	SLT SPEAKERPHONE UNIT	KX-T1020				52	4	1	4	-
network region	SLT AMPLIFIED HANDSET	W-6		700		13	1	-	1	
	MANAGEMENT SYSTEM W/4 CRT	GTI/TSI/MS-4				1		-	-	-
058	POWER SUPPLY SUBSYSTEM	PS-48V				1	-	-	-	_
259	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48Y				-	universe	-		
	INITIAL SPARE PARTS KIT	Not Applicable				1	-		-	****
	OPPM - HOURLY CHARGE	Not Applicable				56	96	96	96	-
NOT BELL	VOICE STATION LINES/DID EQUIPED	Not Applicable	CONTRACTOR OF THE PARTY OF THE	WINDS WOOD STATE	CENTRAL SALES	228	15	10	18	

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	E168-3005-R350	1
DIGITAL LINE CARD	E168-3009-R150	1
T-1 TRUNK PACK	360348-01	1
ISDN/PRI & T1 W/SYNC CD	E168-3006-R950	1
SINGLE LINE TEL CARD	E168-3003-R310	1
C ) LS/GS BW TK CD 600 OHM	E16B-3009-R170	1
MIXER TRUNK CARD	E168-3001-R46.	1
DTMF CARD	E16B-3003-R710	1
TONE DETECTION CARD	E168-3003-E017	1



	TATION: RS-IRM-92-344 ULE C - INTEREST RATES AND F	U.S. NUCLEAR REGULA	LTORY COMMISSION	8	DATE ON/O
	IN A - REGIONA OCATION .	ANY REGION or LOCA	ATION TO THE PERSON OF THE PER	LOTS: 1-4	TIME 12:1:
B TOP TERM (In Mos.)	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.)



	es % of Purch			AFO
or LTOP pl	ans, canceled	at and of mon	Di:	
Month	LTOP	LTOP	LTOP	LTOP
farm'd	24	24	4.9	00
SHOANA	4			
0				
1				
3				
4				
8 7				
9				
10				
12				6
13				·
15			49	
18				
17				
19				
20				
21				
23				
24	0.00%			
28	0 00%			
27	0.00%			
28	0 00%			
30	0.00%			
31	0.00%			
33	0.00%			
34	0.00%	0 05%		
35	0.00%	0.00%		
37	0.00%	0.00%		
38	0.00%	0.00%		
40	0.00%	0.00%		12.5
41	0.00%	0.00%		
42	0.00%	0.00%		
44	0.00%	0.00%		
45	0.00%	0.00%		
48	0.00%	0.00%		
40	0.00%	0.00%	0.00%	
48	0.00%	0.00%	0.00%	
50	0.00%	0.00%	0.00%	
5.2	0.00%	0.00%	0.00%	
53	0.00%	0.00%	0.00%	
54	0.00%	0.00%	0.00%	
56	0.00%	0.00%	0.00%	1 1 1
57	0.00%	0.00%	0.00%	
59	0.00%	0.00%	0.00%	
80	0.00%	0.00%	0.00%	HALL TO VIEW OF STREET



	SOLICITATION: RE-LEM-42-344 SCHEOULE D - TARIFFED CHARGES	U.S. MUCLEAR REQUE	ATORY COMMES	BIOM			BAFO		FILE	
	COLUMN A - REGIONA OCATION	REGION !- King of Pr	Reso PA	. [	LOT:	2			TIME	16:31
A CLIN	C ITEM DESCRIPTION OR NOMENCLATURE	TARIFF (LEC) REFERENCE	NONRECUR UNIT PRICE	G RECUM UNIT PRICE		INCR 01- 60	K EMEN 13- 60	AL Q 25- 80	7 PER 37- 60	0 1008 49 80
	CO LOOP Une	BELL OF PENNSYL	8111.25	\$17.65		108				153
4002	DID Line	BELL OF PENNSYL	200.00	22.40		18				24
4003	DID Station/20 Stations	BELL OF PENNSYL		4.00		11				11
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				
4000	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		12.20						
4010	OUT WATTS Hours 80 1.140	BELL OF PENNSYL		10.88						
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				2
4014	OPX Type A Signating	BELL OF PENNSY		11.58						
4015	OPX Type 8 Signating	BELL OF PENNSYL		7.05						
4018	OPX Type C Signaling	BELL OF PENNSYL		1.34						
4017	(Reserved)									
4018	(Reserved)									
4019	(Received) —	es l								
4020	(Reserved)									
4021	(Reserved)									
4022	(Reserved)									
4023	(Reserved)									
4024	(Reserved)									
4025	(Reserved)									

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

RFP's "Projected Maximum Capacity" quantity is reflected in column "49-80".



	SCHEDULE E - SERVICE CHARGES - OPTIONAL ITEMS			and the same of th	DATE 08/04
	COLUMN A - REGIONALOCATION = ANY REGION or L	OCATION	LOTE:	1-4	TIME 12:1
CLIN	ITEM DESCRIPTION NOMENCLATURE		PRICE		
LEDWIN STATES		THE RESERVE THE PROPERTY AND ADDRESS OF THE PARTY OF THE	CALL NOW BOOK	STOCKS OF THE PARTY OF THE PART	WARRANT VERNERAL BARRANT BARRA
5001	CABLE REMOVAL. PER JOB				
6002	DE-INSTALL AND PKG EXIST SYST, JOB				
5003	EQUIPMENT USER TRAINING, PER STUDENT				
5004	CONSOLE TRAINING, PER STUDENT				
5005	ALL OTHER TRAINING, PER SESSION				
5008	INITIAL SYSTEMS DRAWINGS, SET				
6007	UPCATED 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				
015	INSTALL NEW CABLES, EA				
0184	INSTALL & MAINTAIN CABLE FOR PROP STA EQUIP, EA				
5017	MANUALS, MAINTENANCE & OPERATOR, SET				

<sup>\*</sup> May already be priced in Tables A & B.



SOLICITATION: RS-IRM-92-344	CHECKACHTE		BAFO	FILE: DATE:	NRC 08/04
SCHEDULE F - EQUIPMENT ROOM RE REGION I: King of Prussia PA	LOT:	21		TIME:	12:12
ITEM DESCRIPTION	Insert Total Require	d for Period I	Beginning wit	h Month:	refer to the period of the second
OR NOMENCLATURE	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	CONTROL OF THE STATE OF THE STA				
Space Costs @ SQFT		1-1-			
Evaluated Power Cost					
Evaluated Space Cost					
Total Cost Evaluation for Power		For 60 Month	ns.		
Total Cost Evaluation for Space		For 60 Month	ns .		
Total Evaluated Cost	\$17,516.90	For 60 M	onths		

#### 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.



	SCHEDULE A - ITEMIZED PRICE LIST - P	U.S. NUCLEAR REQUE URCHASE, INSTALLATION	AND MARKE	NANCE			BAFO		FILE	
		REGION III Gien Elive		MANCE	p	-	7		DATI	
	THE RESERVE OF THE PARTY OF THE PARTY.			BASES CHARGOOM	E D T	SKEENAME!	Sugmena	ATSAMBON	THATE	17
DATIONSFAIR	The second contract of the con			action.						
and the same of th	C	£	-	THE PERSON NAMED IN	-	-	NAME OF TAXABLE	-	-	_
CLIN	ITEM DESCRIPTION	MODEL OR	1	UNIT PRICE	A second contract of	-	QUAN	TITIES	potentiana.	greine
NO.	DA NOMENCLATURE	PART NUMBER	310001105		K	N	0	0	R	_
THE REAL PROPERTY.	The second secon	THE PROPERTY	PAJRCHASE	INSTALL	MO/MNT	YR-1	YR- 2	YR-3	YR-4	Y
1001	LES SET WIO MW	260100MOE20M	- Bernaman	DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW		-		-	-	-
002	RS EMML SOFTWARE	301978-05	- PRESIDENT			508	5	10	10	-
003	AS TPITY SOFTWARE	360061-05	1 10 10 10 10 10 10			-	The state of	-	-	-
005	AS MOPR SAW ATUS WAR CONFIG AS MS/S FLOPPY DISK BOOT SEWE	360114-06				1	-ordin states	Name and Address of	*****	-
006	RS PREFORMATTED BLANK DISK	360192-05				1	MINTER AND IN	THE CONTRACTOR OF	MERCHAN CORP.	-
227.	RS MCPR S W ATUMENT CONFIG	360231-05	-40000000000000000000000000000000000000			15			ACMIT CONTRACTOR	-
008	RS USER DO UMENTATION PKG	360435-01			2.14.		-	territorium and	W MARKETON STR	-
009	BASIC CAB! ACKNOWNEETE XT M. RE	350439-01				-	-	-	****	-
011	BASIC LTU PK FOR LTUP MERCEN NA RS	360441-01			<b>维罗尼</b> 克	-rick trans	-	ACCESSION NAME OF		make
012	BASIC CAB PACHEREN XTE MS RE	350443-01		e shidk		*********	-	TO THE SECOND	-saines	-
21.36	MANALOG MASTER PACK RS	360449-01				THE REAL PROPERTY.	-	MI PONE ALIG	-	-
014	BASIC LTU PK FORMING TUP MG.DG	350447-01 350450-01		1.		3		-	-	-
115 1	SYST FWDING ENHANCEMENT BE	360464-01				3	-	-		
21.5	LAPANDED SPEED DIALING COLUCE AS	350464-10				1	-	-	-	e maior
18	JOINT TENANT SERVICE RS	360464-12				-	-	-	****	-
19	PITRONIC E SUPRA 1 EAR OVER HEAD ATTEND CONSOLE QUICK HEF CUIDE	769084-03	<b>上</b> 的思想被变度			1	-	1	-	****
20 1	SINGLE LINE TEL QUICK REF QUICE	D110-042-005				1	-	1	-	-
21 18	DATA INTEC UNIT QUICK REE GUIDE	0110-045-005 0110-049-005				225	5	10	101	-
22 10	DIG TELEPHONE QUICK REF QUID-	0110-051-006				131				-
23.10	PATA TERM ADPTR QUICK REE C. LIDE	D110-053-006	-			76		-	1	-
24	TE CABLE A.F27601 M	E008-0276-E101				10		-	1	-
25 1	ALARM SENDER	F068-1356-8101				1	-	-	-	rey e
27 9	LISY LAMP FLO DIRECT STA SELEC	8 E078-1074-8401				1	mender.	11	-	Here
28 N	MIXER TRUNK CARD	£078-1075-8001 £168-3001-8460						1		nerty te
29 4	WEAM TIE TRUNK CARD	£168-3001-R990	- 600			1	-	Marine St.		-
30 N	HOMT BELL/CODE CALL INTEC CO	E168-3003-R280	一個個別數			3	-	ni unadalem		
11 15	INGLE LINE TELEPHONE CARD	E168-3003-8310	一般是影響			9	-	mondes	-	et.es
35 M	INGER GENERATOR CARD	E168-3003-8530				1	********	mann.cpmu	-4-	-
. 0	HARACTER TRUNK CARD	1165 3003-R560				-	-	-	-	MARINA
35.10	PS LINE CARD	E168-3007-R430 E168-3008-R250				2		THE REAL PROPERTY.		-
16 P	ERIPH BUS CTL CARD 4-DM4	£168-3008-R540				2	-	-		-
37 10	IGITAL LINE CARD . 16 28 + D	£168-3009-R150				1	-			man
18 C	O LS/GS TK CARD A ISTE 600 OHM	E168-3009-R170		Valley Gray		14	rinanion	-		-
0 (5)	NE WAY DID TRUNK CARD WITCHING NETWORK CARD B AS	£168-3009-R770			SEAT T	2	-	Chromoperus,	-	****
1 A	TTENDANT LINE CARD RS	£168-3015-8590				1	HEREN SAGE	-	-	-
2 PC	OWER FAILURE TRANSFER CARD	E168-3015-R830 E168-9900-R000		0		1		DOTE THE LIBERTY		-
3104	ABLE DUCT	E210-0042-T512#USA				1	-			
4 A	TT POWER JEH CONNECTION	E660-2506-T662#10				1		-		-
5 IE &	M TRUNK PET CABLE	£650-2506-7662#8				-	-	-	-	-
7 04	TT POWER IEG CONNECTION	£660-2506-7662#9				5	-	-	-	-
BIDA	ATA TERMINAL ADAPTER	1660-2506-176085				-	-			-
HA	C DT1018 288 SPEAKERPHONE	F108-0705-K001 F108-0706-B111				10	THE OWNER OF THE OWNER OWNER OF THE OWNER OWNE		1	-
IST	AND-ALONE DIU TO 19 2 KRPS	F128-0337-8101				76			1	A THOMAS
LIMS	MENGRO NETIDATA DIB SW	5W009500 MN1			9.0	31		-		-
CU	ST ENGRG FOR MIMS DATARASE	5W009800 MNC				1	-	-	income and	-
12 M	IML TERMINAL IIBM PC BASEDI	GTIEMML	But (XAM)			1	-	-	-	-
151		TEMPO M8	AND THE		AND T	-	-	-4344	-	-
ISL	T AMPLIFIED HANDSET	KX-T1020				53	3.1	2	2	3
NA	NAGEMENT SYSTEM & 4 CRT B	W-6 GTI/TSI/MS 4				11		1		1
POI	WER SUPPLY SUBSYSTEM	PS-48V				1	-			-
UN	IVERSAL PS BATT/BACKUP SUBSYST	JPS-48V	1			1	-	-	-	-
TIME	TIAL SPARE PARTS KIT	Not Applicable				*	-	-	-	-
TOP	PM - HOURLY CHARGE	not Applicable				1	-	8 9	+	****
IVO	ICE STATION LINES DID EQUIPPED	Vot Applicable			29	18	PERMISSION NAMED IN	8 9		6
diam'r.	A Book Sales on the supplier of the supplier o	Reserved)	AND THE PERSON NAMED IN COLUMN		OTALIZABLE MANAGEMENT	tor or barriery	manager despeta	PERSONAL NAME	informaci	-



BAFO FILE NAC U.S. NUCLEAR REGULATORY COMMISSION SOLICITATION: RS IRM 92-344 SCHEDULE 8 - ITEMIZED PRICE LIST - LTOP-48, INSTALLATION AND MAINTENANCE DATE 08/04 LOT 3 TIME 12:15 REGION III: Gien Eften UNIT PRICE **OUANTITES** £ C N 0 0 A 5 MODEL OR 0 K ITEM DESCRIPTION CLIN YR-1 YR-2 YR-3 YR-4 YR-5 PART NUMBER LTOP-48 INSTALL MOMENT NO OR NOMENCLATURE 10 101 10 209 1001 MENTERS SOL LINE SET W/O MW 260100M0E20M 1002 HE EMML SOFTWARE 301976-05 350061-05 1 360192-05 1004 JRE MCPR S/W RTLD BESSET CONFIG 1 RS MS'S FLOPPY DISK BOOT SEWE 15 1006 RS PREFORMATTED BLANK DISK 360193-05 360231-05 1007 RS MCPR SAY RIVER CONFIG TOOR INS USER DOCUMENTATION PEG 360435-0 1009 HASIC CAB PACKED A XTF XUM RS.
1010 BASIC LTU PK FOR LTU WAY AN AG.
1011 MANALOG MASTER PACK RS. 360439-01 350441-0 360443-0 1012 RASIC CAR PACK STEP MS. RS. 1013 ANALOG MASTER PACK RS. 1714 BASIC LT I PK FORMS TO TUP MS. RS 350449-0 360447-0 3 15 SYST FINDING EMANCEMENT PE 350450-0 350454-0 360464-10 O' 6 EXPANDED SPEED DIALING CODES RE 350454-12 1017 JOINT TENANT SERVICE 45 769084-03 1018 PITRONIC E SUPRA 1-EAR OVERHEAD 1019 ATTEND CONSOLE QUICK REF GUIDE D110-042-005 10 1020 SINGLE LINE TEL QUICK REF GUIDE 225 10 10 D110-045-00 0114-049-00 131 1072 DIG TELEPHONE QUICK PEF GUIDE 76 0110-051-005 10 0110-053-005 E008-0276-E10 E068-1356-810 1025 ALARM SENDER E078-1074-840 1 1026 JHAC ATTENDANT CONSOLE 1027 BUSY LAMP FLO/DIRECT STA SELEC E078-1075-B00 1028 MIXER TRUNK CARD 1029 AW EAM THE TRUNK CARD 1030 NIGHT BELL/CODE CALL INTEC C £168-3001-8460 £158 3001 R990 3 £168-3003-R280 9 SINGLE LINE TELEPHONE CARD £168-3003-R31 1032 RINGER GENERATOR CARD 1033 MODEM POOL CONTROLLER 1034 CHARACTER TRUNK CARD 1035 OPE LINE CARD £168 3003-R530 £168-3003 RE6 £168 3007 842 E168-3008-825 1036 PERIPH BUS CTL CARD & DIMA 1037 DIGITAL LINE CARD - 16 28 + E £168-3008-R540 14 £168-3009 R15 168-3009-R17 1038 CO LSIGS TK CARD A ISIN SOO OHM £168-3009-877 1039 ONE WAY DID TRUNK CAN £166-3015-R590 1040 SWITCHING NETWORK CARD B RS 1041 ATTENDANT LINE CARD RE E168-3015-RE3C £168-9900-R000 E210-0042-T512#USA E660-2506-T662#10 1 1043 CABLE DUCT 1044 ATT POWER (EH CONNECTION) E660-2506-T662#1 5 1045 FAN THUNK/PET CABLE £660-2506-7662#5 1046 ATT F. WER IFG CONNECTION £650-2506-1750#5 1047 CABLE, MDC-MODEM CABLE A 10 1048 DATA TERMINAL ADATTER F108-0705-K00" 1049 HAC DTIOTE 288 SM / KERPHONE 78 F108-0705-8111 F128-0337-8101 131 SW009600 MN 1 1051 MS/M ENGRO NET/DATA DIE SW 1 1052 CUST ENGRG FOR MIMS DATABASE 1053 EMML TERMINAL HEM PC BASED 5W009600 MA 1 GTIEMML 1054 36-PORT TELECONFERENCING SYSTEM TEMPO ME 53 KX-11020 1055 SLT SPEAKERPHONE UNIT 11 1056 SLT AMPLIFIED HANDSET W-6 GTI/TSI/MS-4 MANAGEMENT SYSTEM W/A CAT PS-48V 1 1058 POWER SUPPLY SUBSYSTEM 1059 UNIVERSAL PS BATT BACKUP SUBSYST UPS-48V 1 1060 INITIAL SPARE PARTS KIT Not Applicable 48 96 1061 OPPM - HOURLY CHARGE foot Applicable 11 11 10 1062 VOICE STATION LINES/DID EQUIPPED 288 Not Applicable (Reserved) 1053 (Reserved)

	SCHEDULE B - ITEMIZED PRICE LIST - LTC	U.S. NUCLEAR REQULA					BAFO		FILE	
	SCHEDULE B. HEMIZED PRICE LIST. LIC	REGION III: Glen Ellyn	81	7	LOT	3	1		TIME	
				And San						
MICH. SANSAN		- Commenter and commenter of the comment	1			-	Disa	TITE 6	-	
	C	E		UNIT PRICE	K	N	1 o	TITIES	R	-
CLIN	ITEM DESCRIPTION	MODEL OR	G	BICTALL	MO/MNT	-	MANAGEMENT OF	and the second	Printer parties street	-
NO.	OR NOMENCLATURE	PART NUMBER	LTOP-60	INSTALL	MOIMIN	T PA-1	YR-2	14-3	YH-A	1
1001	MANUE SOL LINE SET WIO MW	260100MOE 20M	1 BURNE			209	5	10	10	
decision contracts	RS EMML SOFTWARE	301976-05				1			*******	
1003	TP/TV SOFTWARE	150061-05						-	-	-
1004	RS MCPR SAV RTU- CONFIG	360114-06				1	aller emission consider		-	-
	RE MEIS FLOPPY DISK BOOT SEWE	360192-05	-			1	-	-	-	-
206	AS PREFORMATTED BLANK DISK	360183-06				15	-	-	-	-
007	RE MCOR SAY ATLANDE CONFIG	360231-05				1	-	******	-	-
	BASIC CAB PACKERS OF XL/M RS	360435-01 360439-01								1
	BASIC LTU PK FOR LTURE WARE IA RS	360441-01				-	-	-	-	-
	BETTER ANALOG MASTER PACK PT	360443-01					-		-	L
	BASIC CAB PACK STAND XTF MS-R5	350449-01								
	MINISTER PACK-RS	360447-01				1				9
1014	- SIC LTU PK FOR AS TUP MS-RS	360450-01				3	-	to the same of	Enmanue A.S	-
0.2	ST FWDING ENHANCEMENT RE	350464-07					-		-	-
	EXPANDED SPEED "TALING CODES RE	360464-10				1	-			-
MEDICAL REPORT	JOINT TENANT SE-VICE AS	350464-12					-	1	-	40
named and long	PITRONIC E SUPRA 1-EAR OVER/HEAD	769084-03	- 40 20 70 10			1	-	-	-	-
	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005			<b>人名英格兰</b>	225	5	10	10	-
	SINGLE LINE TEL QUICK REF GUIDE	D110-045-005				131	-	-	-	-
under Controll	DATA INTEC UNIT QUICK REF GUIDE	D110-051-005				76	-	-	1	-
	DATA TERM ADPTR QUICK BEF QUIDE	0110-053-005				10	1	1	1	
024	LTF CABLE A-F275D1 'M	E004-0276-E101								
C25	ALARI SENDER	E051-1356-8101				1				
	HAC . TENDANT CONSOLE	E078-1074-8401				1		1	-	_
	BUSY LAMP FLD/DIRECT STA SELEC	E078-1075-8001					-	,	or the same	
078	MIXER TRUNK CARD	£168-3001-R460				1	-	-		-
	AW EAM THE TRUNK CARD	E168-3001-R990				3	-	COLUMN TO SERVICE SERV	-	-
	NIGHT BELL/CODE CALL INTEC CD	E168-3003-R280				1	-		F-vaccement	-
	SINGLE LINE TELEPHONE CARD	E168-3003-8310				0,1				-
	MODEM POOL CONTROLLER CARD	F168-3003-R630 F168-3003-R560				-	-	-	-	-
	CHARACTER THUNK CARD	E168-3007-R430	-			2			-	-
	OPS LINE CARD	E168-3008-8250				2			personal risk	
	PERIPH BUS CTL CARD 4-DMA	£158-3008-R540	TERRITOR STATE			1				
The second	DIGITAL LINE CARD - 16 28+D	E169-3009-R150				14				
038	CO LS/GS TK CARD A 17 1 600 OHM	E1/8 3009-R170	100000000000000000000000000000000000000			2		-		
	ONE WAY DID TRUNK C RD	£15= 3009-8770				2	-		-	-
	SWITCHING NETWORK CARD B RE	£165-3015-P590				1	-		procureous	
041	ATTENDANT LINE CARD RS	£168-3015-R830				1	-	-		-
	POWER FAILURE TRANSFER CARD	E165-9900-R000								-
	CABLE DUCT	1210-0042 T512FUSA				1	-	-	-	-
LASSENIA PERSONAL	ATT POWER (EH CONNECTION)	660-2506-T862#10 E650-2506-F62#P				6	-		-	-
	ATT POWER IEG CONNECTION	E550-2506-7652#9	一			5				-
	CABLE MDC-MODEM CABLE A	E660 2506 176085	7			-	1	-		-
	DATA TERMINAL ADAPTER	F105-0705-K001				10			1	
	MAC DT1018 288 SPEAKERPHONE	F108-0706-8111				76			1	
	STAND-ALONE DIU TO 19.2 KBPS	F128-0337-8101				131				
Mark Street Control	MS/M ENGRO NET/DATA D/B SW	5W009500 MN1	B grace y			1	-	-	-	-
	CUST ENGRG FOR MIMS DATAMASE	SW009600 MNC	- 网络拉拉				-	-	-	-
	EMML TERMINAL (IBM PC BAS' DI	GTIEMML					-		-	-
	36-PORT TELECONFERENCING SYSTEM	TEMPO MB					-		-	-
	SLT SPEAKERPHONE UNIT	KX-T1020				5.3		2	3	+
	SLT AMPLEED HANDSET	W-6				11		-		-
	MANAGEMENT SYSTEM W/4 CRY	GTI/TSI/MS-4				1	-	-	-	-
	POWER SUPPLY SUSSYSTEM	PS-48V				-	-			-
	UNIVERSAL PS BATT BACKUP SUBSYST	Not Applicable				1	-			-
	OPPM - HOURLY CHARGE	Not Applicable Not Applicable				1	-	48	96	-
invited intercip	VOICE STATION LINES/DID EQUIPPED	Not Applicable	The state of			288	5	STATE STATE OF THE PARTY NAMED IN	11	-
ACTOR !	[Reserved]	(Reserved)	- WARRENGE CO.			Sections.	-	-		-



ITEM DESCRIPTION	MFR PART#	QTY PROV'D
BASIC CAB PACK	360370-01	
FLOPPY DISK DRIVE	E15B-0080-C002	
HARD DISK DRIVE (40MB)	E158-0099-C001	1
MISC CONTROL CARD	E168-3003-R550	1
CLOCK DISTRIBUTOR CARD	E16B-3005-R350	
DIGITAL LINE CARD	E16B-3009-R150	1
T-1 TRUNK PACK	360348-01	1
ISDN/PRI & T1 W/SYNC CD	E16B-3006-R950	1 1
SINGLE LINE TEL CARD	E16B-3003-R310	1
CC LS/GS BW TK CD 600 OHM	E16B-3009-R170	1
HXER TRUNK CARD	E168-3001-R460	1
DTMF CARD	E16B-3003-R710	1
TONE DETECTION CARD	E16B-3003-E017	1



#### TERMINATION LIABILITY SCHEDULE (Expressed as % of Parchage Price) BAFO For LTOP plane, conceled at and of month: Month LTOP LTOP LTOP LTOP Tarre'd 24 38 AR 0 2 2 3 4 5 6 7 . 10 11 12 13 14 18 17 18 19 20 21 22 23 24 25 0.00% 0.00% 28 0.00% 0.00% 28 0.00% 0.00% 29 30 0 00% 31 0.00% 32 0.00% 35 0 00% 34 0 00% 35 0.00% 0.00% 36 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% 48 0.00% 0.00% 0.00% 50 0.00% 0.00% 0.00% 0.00% 51 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% 50 0.00% 0.00% 0.00% 57 0.00% 0.00% 0.00% 58 0.00% 0.00% 0.00% 0.00% 59 0.00% 0.00% 0.00% 0.00% 0.00%



	SCHEDULE E - SERVICE CHARGES - OPTIONAL ITEMS	h'SSION BA	FO FILE NAC DATE ON/O
DANESSE, 3°5	COLUMN A - REGIONA OCATION * ANY REGION OF LOCATION	LOTS: 1-4	THAE 12:16
CLW	ITEM DESCRIPTION/NOMENCLATURE	PRICE	
TOTAL		THE RESERVE OF THE PARTY OF THE	ELEVANDARIOS POR MANAGEMENTO DE LA COMPA
5001	CABLE REMOVAL, PER JOB		
5002			
5003	EQUIPMENT USER TRAINING, PER STUDENT		
5004	CONSOLE TRAINING, PER STUDENT		
5005		•	
5006	INITIAL SYSTEMS DRAWINGS, SET		
6007			
5008	SITE VISITATION CHARGES, PER VISIT		
5009			
5010	STATION MOVES WITH 100'C VBLING, EA		
5011			
5012			
5013	SITE PREPARATION, JOB		
	DETAILED STATION REVIEWS, EA		
	INSTALL NEW CABLES, EA		
	INSTALL & MAINTAIN CABLE FOR PROP STA EQUIP, EA		
5017	MANUALS, MAINTENANCE & OPERATOR, SET		

<sup>\*</sup> May already be priced in Tables A & B.

Keas, +1:

SOL	ICITATION: RS IRM 92-344	U.S. NUCLEAR REQUL					BAFO		FILE	
SCH	EDU. E A - ITEMIZED PRICE LIST - PUR	CHASE, INSTALLATION	AND MAIN ER	NANCE ,	-	-			DATE	
		REGION V: Walnut &	rook CA		LOT	A HENDANIS	MODERN CONTRACTOR	RESPONSED IN	TIME	12:1
EDINATE SERVICE	THE RESERVE OF THE PARTY OF THE									
	The state of the s	TO THE REAL PROPERTY OF THE PARTY OF THE PAR	Total Accession	CARRIED CONTRACTOR CONTRACTOR						
-	and the same of th	E		UNIT PRICE		-	QUAN'	TITIES	NAME OF TAXABLE	
	C			1	K	N	0	0	В	5
LIN	ITEM DESCRIPTION	MODEL OR	G	THE THE PROPERTY AND PARTY AND PARTY.	a management of the state of th	and telephone stand	de manners and	AND DESCRIPTION OF	risk, University American	economic.
100	OR NOMENCLATURE	PART NUMBER	PURCHASE	INSTALL	MO/MNT	A 64-1	YR-2	TH-3	A 14-4	4 14
-				STATE OF THE PARTY	A	-	-		-	-
001	STATES SET WIO MW	260100MOE20M				110	6	6	6	******
002 R5	EMML SOFTWARE	301976-05	_5_REER (0.00)		Mark N		-			-1.00
003 R5	TP/TV SOFTWARE	360061-05	-1-0000000			1		THE REAL PROPERTY.	or other designation of	-
004 R5	MCPR 5 W RTU BERNELL CONFIG	360114-05	-1-000000000			1		-	NAME OF TAXABLE PARTY.	-
005 R5	MS/S FLOPPY DISK BOOT SEWE	360192-05				15	-		-	-
XX R5	PREFORMATITO BLANK DISK	360193-05				-	PARKETON O			CAST ON
007 85	MCPR S.W. RTU CONFIG	350231:05	一手翻翻翻翻翻翻			1	-	Name and Address of the Owner, where	CONTRACTOR SERVICE	-
008 R5	USER DOCUMENTATION PKG	360435-01 360439-01	一片線線線線線						A-ORCHMORNS	
CO BA	SIC CAB PACKE TO SET XL/M-RS	350441-01	T VALUE OF STREET							
OLL	BORBOR NALOG MASTER PACK RS	350443-01					-			
012 BA	SIC CAB PACKER BORREST I MS-RS	360449-01				\$		ne man excess of		-
017 690	MONE ANALOG MASTER LACK HS	360447-01				1		Printerson & B		diam'r.
014 IBA	SIC LTU PK FOR THE WEEK UP MS-RS	380450-01				3				-
015 SYS	ST FWDING ENHANCEMENT RE	350464-07					-	A PROPERTY AND IN	-	
016 EXF	PANDED SPEED DIALING CODES RS	360464-10				1	-			
017 101	NT TENANT SERVICE RS	360454-12	-1-0795							-
OIB PIT	BONIC E SUPRA 1 EAR OVER/HEAD	769084-03						. LICENSES	promissiones	-
TA BIC	TEND CONSOLE QUICK REF GUIDE	D110-042-005				229	6		£	-
020 SIN	GLE LINE TEL QUICK REF GUIDE	D110-045-005				105	1	1	1	-
021 DA	TA INTEC UNIT QUICK REF GUIDE	D110-049-005				45	3	2	3	-
022 010	TELEPHONE QUICK REF GUIDE	D110-051-005 D110-053-005				4			1	-
023 IDA	TA TERM ADPTR QUICK HEF GUIDE	E008-0276-E101					-		- mariament	
	CABLE A-F276D1 /M	E068-1356-8101				1			-	
	CATTENDANT CONSOLE	E078-1074-6401	TO SHAKE			2				
020 PM	SY LAMP FLD DIRECT STA SELEC	E078-1075-8001				2	-			
0.28   140	KER TRUNK CARD	E168-3001-R460						PRINTED INCOME.		
029 AW	ESM TIE TRUNK CARD	£168-3001-R990				3		-	area d'automo	-
C30 INIG	HT BELL/CODE CALL INTEC CD	£168-3003-R290				1	-	-	-	-
031 SIN	GLE LINE TELEPHONE CARD	E168-3003-R310				2	1	-	-	-
032 RIN	IGEP GENERATOR CARD	F168-3003-R530				1	-	-		-
033 MO	DEM POOL CONTROLLET CARD	E168-3003-R560		40000000000000000000000000000000000000		-	-	- eternateur		-
034 CH	ARACTER TRUNK CARD	£168-3007-R430	_				-	and the last of th	angenton)	-
035 OP	S LINE CARD	E166-3008-R250				15		-	market and	-
	RIPH BUS CTL CARD 4-DM4	E168-3008-P540				11	AND STREET, STREET, SE	-		·
037 DIG	SITAL LINE CARD - 16 28 + D	F168-3009-R150	一在原理的基础			3	NAME AND ADDRESS OF THE PARTY.	-	-	-
038 CO	IS/GS TX CARD A (SIE 600 OHM)	E168-3009-R170				2				-
039 JON	E WAY DID THUN CARD	E168-3009-8770 E168-3015-8590				1		-	-	
CAN ISW	TENDANT LINE CORD B RS	£168-3015-R830	1000			1	1		1	
047 AT	TENDANT LINE CARD AS WER FAILURE TRANSFER CARD	£168-9900-R000				1	1			
	BLE DUCT	# E210-0042-T512#US	A				1			
	T POWER (EH CONNECTION)	E660-2506-T662#10							-	-
	M TRUNK/PFT CABLE	E660-2506-T662#8	B to the last			<u>5</u>	-		-	-
045 AT	T POWER IEG CONNECTION	E660-2506-1662#9	A SHAPE OF A			1	-	-	-	1
047 CA	BLE: MDC-MODEM CABLE A	£660-2506-T760#5	0.00			-	-	-	-	+
DAB DA	TA TERMINAL ADAPTER	F108-0705-K001				4	3	-	1	
049 HA	C DT101B 288 SPEAKERPHONE	F108-0706-B111				45			3	-
050 IST	AND-ALONE DIU TO 19 2 KBPS	F128-0337-8101				105		-	-	-
051 MS	M ENGRO NET DATA DIB SW	SW009500 MN1				1	+		-	+
052 CU	ST ENGRG FOR MIMS DATABASE	SW009600 MNC	- 1000		12312 1537	-	-		-	-
053 EM	IML TERMINAL (IBM PC BASED)	GTIEMML	- 1		1. W. S. S. S.	-	-	-	-	+
054 36	PORT TELECONFERENCING SYSTEM	ТЕМРО МВ	- 45 10 10 10 10 10 10 10 10 10 10 10 10 10			28	1	2	1	+
055 Si	I SPEAKERPHONE UNIT	KX-11020				6	-	1	-	1
056 51	T AMPLIFIED HANDSET	W-F	-130000			6		-	-	1
057 MA	NAGEMENT SYSTEM WIA CRT	G11/TSI/MS-4 P5-48V					-	1	Tonas era er	-
058 PO	WER SUPPLY SUBSYSTEM	UPS-48V				-	THE PERSON NAMED IN	-	-	-
VIE UN	TYERSAL PS BATT/BACKUP SUBSYST	Not Applicable				,	THE R. P. LEWIS CO., LANSING	-	1	T
060 IN	TIAL SPARE PARTS KIT	Not Applicable				56	- A CONTRACTOR OF THE PARTY OF	96	96	
	PM - HOURLY CHARGE NICE STATION LINES/DID EQUIPPED	Not Applicable				156		-	-	
DOZIVO	THE STATION LINES/DIO EGOITTED	[Reserved]	THE WANTED AND THE SECOND			Name and Persons	-	1	1	1



	SOLICITATION: RS-IRM-92-344 SCHEDULE B - ITEMIZED PRICE LIST - LTOI	U.S. NUCLEAR REGULAT							DATE	08/0
	SCHEDULE B - HEMIZED THICE LIST - LIST	REGION V: Walnut Cree		7	LOT	4			TIME	12:1
	AND ALL DESCRIPTIONS AND ADDRESS OF A STATE		ESTA NO.	AC 25 AC 25		Augusta				
SEE OF	Management of the second secon	TANK TANK TERMINATE AND AND ADDRESS OF THE PARTY OF THE P								
-	C	E	-	UNIT PRICE	y	A STREET, STRE	QUAN'		-	****
LIN	ITEM DESCRIPTION	MODEL OR	G	1	K	N	0	0	R	- 5
40.	OR NOMENCLATURE	PART NUMBER	LTOP-24	INSTALL	MO/MNT	YR-1	YR-21	YR-3	YR-4	YF
100	CONTRACTOR OF STATE O	A THE RESIDENCE AND ADDRESS OF THE PARTY OF	-www.composition		SKINGS.	110		-		-
0014	SIDE OF SEL LINE SET WIO MW	260100MOE 20M				110	6	6	6	-
	RS EMML SOFTWARE	301976-05				1		-	MATERIAL PROPERTY.	-
203	RS JP/TY SOFTWARE	360061-05 360114-05	1000 41			1	-	-		
004	RS MCPR S/W RTUSE BOOT SEWE	360192-05				1				-
006	AS PREFORMATTED BLANK DISK	360193-05	1		100	15			-	-
007	RS MCPR S.W. RTUH BE DONEIG	360231-05				-		-		-
006	IRS USER DOCUMENTATION PKG	360435-01		, "		1		and the same of		-
009	BASIC CAB PACHINE WILLIAM TE XL/M-R5	360439-01				-	-	Day And Concession of the	rentserve or	
0,0	BASIC LTU PK FOR LTUP	360441-01					-	-		
-	ANALOG MASTER PACK RE	350449-01					- mar more	-		
	BASIC CAS PACHE HIM EXTE MS-RS	360447-01				1				
014	BASIC LTU PE FOR SUM ON TUP MS-R5	360450-01	Savery No.			3		Name of Street or		-
015	SYST FWDING ENHANCEMENT RS	360464-07			1/2	M		mention and the second	-	-
016	EXPANDED SPEED DIALING CODES RS	360464-10					-	reactive pro-		-
017	JOINT TENANT SERVICE R5	360464-12	-			-	-	-	-	-
018	PITRONIC E SUPRA 1-EAR OVER/HEAD	769084-03	-			2 2		-		-
219	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005 D110-045-005				229	6	6	- 6	
020	SINGLE LINE TEL QUICK REF GUIDE DATA INTEC UNIT QUICK REF GUIDE	D110-049-005				2005	1	1	1	
000	DIG TELEPHONE QUICK REF GUIDE	D110-051-005				45	3	2	3	
-14	DATA TERM ADPTE QUICK REF GUIDE	0110-053-005			<i></i>	4	-	inservation 775	1	-
504	ILTE CABLE A F27601 /M	£008-0276-E101			<b>{</b>		-	COURSE STREET,	-	-
	ALARM SENDER	E068-1356-8101		lb.		1 2	-	-	-	-
026	HAC-ATTENDANT CONSOLE	F07B-1074-B401					-		projek projek ni	-
	BUSY LAMP FLD/DIRECT STA SELEC	E078-1075-B001	- 1000			2	-	-	CONTRACTOR OF THE PARTY OF THE	-
OZB.	MIXER TRUNK CARD	£168-3001-8460 £168-3001-8990	- 60000			3	-	CHARLESTAN	mercutar.	-
0.29	NIGHT BELL CODE CALL INTEC CO	E168-3003-R280				1 1 2			-	
	SINGLE LINE TELEPHIONE CARD	£168-300 -R310				2	1	na ngawanga na	-	-
032	RINGER GENERATOR CARD	£168-3003-R530				1	-	and the same of the same of	-	-
033	MODEM POOL CONTROLLER CARD	E168-3003-R560					-	-	-	-
034	CHARACTER THUNK CARD	£168-3007-R430	<b>-686</b>			2	-	*****		+
	OPS LINE CARD	E168-3008-8250	-			15		DESCRIPTION NAMED IN	-	+
	PERIPH BUS CTL CARD 4-DMA	£168-3008-R540 £168-3009-R150	一個機能			11	-	-	and the section is	-
237	DIGITAL LINE CARD - 16 28 + D	E168-3009-R170				3	1	PER MANAGEMENT	and the same	1
038	ONE WAY DID TRUNK CARD	E168-3079-9770				2	1	-	-	T
1040	SWITCHING NETWORK CARD 8 RS	£168-3015-8590				1				1
1041	ATTENDANT LINE CARD RS	£168-3015-R830				1	Segranus contents to		-	-
1042	POWER FAILURE TRANSFER CARD	£168-9900-R000				1				-
1043	ICABLE DUCT	[210-0042 T512#U5A	-			1	-			+
1044	ATT POWER JEH CONNECTION	F660-2506-T662#10	+			F		-		+
1045	ESM TRUNK/PFT CABLE	E660-2506-T662#8				5	-	-		+
046	ATT POWER IEG CONNECTION	E660-2506-1662#9					-			1-
	CABLE MDC-MODEM CABLE A DATA TERMINAL ADAPTER	F108-0705-K001				4			1	I
Out	HAC DITOTE 288 SPEAKERPHONE	F108-0706-8111				45	3	2	3	1
1050	STAND-ALONE DIU TO 19.2 KBPS	F128-0337-B101				105	1	1	1	+
1051	MS/M ENGRO NET/DATA D/B SW	SW009600 MN1				1	-		Andre cureto	
1052	CUST ENGRG FOR MIMS DATABASE	5W009500 MNC				1	-	-	-	+-
1053	EMML TERMINAL (IBM PC BASED)	GTIEMML					-	-		+
1054	36 PORT TELECONFERENCING SYSTEM	TEMPO MB				28	1	2	1	1
1055	SLT PEAKERPHONE UNIT	KX-71020 W-6				6		1	Towns.	T
1056	SLT AMPLIFIED HANDSET MANAGEMENT SYSTEM W/4 CRT	GTI/TSI/MS-4				1				I
1057	POWER SUPPLY SUBSYSTEM	PS-48V				1				I
1050	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-ABV					1	-	na namena	1
1060	INITIAL SPARE PARTS KIT	Not Applicable				1	High menoment have an	-		+
1061	OPPM - HOURLY CHARGE	Not Applicable				56				
	VOICE STATION LINES/DID EQUIPPED	Not Applicable	DESCRIPTION OF THE PERSON NAMED IN COLUMN 1			156	9	8	1.0	/-



	SCHEDULE 8 - ITEMIZED PRICE LIST - LTC	A CONTRACTOR OF THE PROPERTY O		NCE			1	il i i i	DATE	
		REGION V. Walnut Cre	iek CA	NAME OF THE PERSONSE	LOT	A CHARLESTON	SHE SOCIEDA	ANA CONTRACT	TIME	CHARGOO
							A SERVICE OF THE PERSON OF THE	No.		
		E		UNIT PRICE		-	QUAN	TITIES	-	
	C C	MODEL OR	G	1	K	N	0	a	R	5
LIN	TTEM DESCRIPTION	PART NUMBER	LTOP-36	INSTALL	MO/MNT	Y #1- 1	-	YA-3	<b>O</b> RADIONES	<b>P</b> OLUM
40.	OR NOMENCLATURE	PARTNOMDER		DECEMBER OF THE PARTY OF THE PA	CONTROL OF THE PARTY OF THE PAR	a had an or partie	American	ST. DECK CO. ST. ST. ST. ST. ST. ST. ST. ST. ST. ST	THE RESIDENCE OF	-
001	SET WO MW	260100M0E20M				110	6	6	6	
	RE EMML SOFTWARE	301976-05	0			1				
003	INS TP/TV SOFTWARE	350061-05		7個天公園		1	-		-	-
004	RS MCPR STW RTUNNERS CONFIG	360114-06				1	-	-		-
minimizativity (cos)	RE ME S FLOPPY DISK BOOT SEWE	360192-05				1	-	-	-	-
	RS PREFORMATTED BLANK DISK	360193-06				15	-	Marie Anna Carre	-	ome
	AS MCPR S W ATURNO CONFIG	360231-05				1		-	-	-
008	RE USER DOCUMENTATION PKG	360435-01				-	-	Printers of the last of the la		-
	BASIC CAB PACKET BERNEY T XLIM-R5	360439-01 360441-01				A	-		-	-
	BASIC LTU PK FOR LTURE THE STATE OF MARS	350443-01				-			R HOLESTON ON THE	10,000
	BASIC CAB PACKER TO TE MS-R5	367449-01				-		CONTRACTOR OF THE		-
	MANUEL ANALOG MASTER PACK RE	360447-01				1		- Technical a		-
	BASIC LTU PK FORMUN TOBUF MS-RS	360450-01				3	THE REST OF	Taraban (	-	- CONT
	SYST FWDING ENHANCEMENT RS	350464-07				-	-	POWER DESIGNATION OF THE PARTY	AND DESCRIPTION OF THE PARTY OF	-
	EXPANDED SPEED DIALING CODES RE	360454-10				1				
	JOINT TENANT SERVICE RS	360464-12								
018	PITRONIC E-SUPRA 1-EAR OVER HEAD	769084-03				2				_
219	ATTEND CONSOLE QUICK REF GUIDE	D110-042-005	0							-
234	SINGLE LINE TEL QUICK REF GUIDE	1110-045-005				229	6	6	6	-
	IDATA INTEC UNIT QUICK REF GUIDE	0110-049-006				105	1	1	1	-
	DIG TELEPHONE QUICK REF GUIDE	D110-051-005	1			45	3	2	3	
023	DATA TERM ADPTR QUICK REF GUIDE	0110-053-005				4.	-	-	-	-
	LTF CABLE A-F276D1 /M	E008-0276-F101				-	-	-	-	
	ALARM SENDER	E058-1356-6101 E078-1074-8401				1 2		Mary Lawrence		-
	HAC-ATTENDANT CONSOLE	E078-1075-8001				-	-	-		
	BUSY LAMP FLD DIRECT STA SELEC	E168-3001-R460	想到,但这是5			-	-	-	CONTRACT CONTRACT	
	AW EAM THE TRUNK CARD	£168-3001-R990				3	-	Charles to 6		-
	NIGHT BELL/CODE CALL INTEC CD	£168-3003-R280			genet 1	1	-	-	promochemic	-
	SINGLE LINE TELEPHONE CARD	£168-3003-8310				2	-	-		-
	RINGER GENERATOR CARD	E169-3003-R530				1		-	-	-
	MODEM POOL CONTROLLER CARD	E166-3003-R560				A				
	CHARACTER TRUNK CARD	E168-3007-R430				2				
035	IOPS LINE CARD	E168-3008-R250				15				-
	PERIPH BUS CTI CARD 4-DMA	E168-3008-R540				1			-	
	DIGITAL LINE CARD - 16 28 + D	F188-3009-R150				11				
038	ICO LS/GS TX CARD A (Std 600 OHM)	£168-3009-R170			CHARLES A	3				
referrition to	ONE WAY DID TRUNK CARD	E168-3009-F1770				2.	or the sales and	********	-	-
	SWITCHING NETWORK CARD B RE	£168-3015-R590	West Control			1.	and the latest death of	eren agrada mont	COLUMN STREET	-
	ATTENDANT LINE CARD RE	E168-3015-R830	MERCAN SA			1	-	-	-	main
	POWER FAILURE TRANSFER CARD	£166-9900-R000				1	-		-	-
	GABLL RUCT	E210-0042-T512#USA	1.00			1			- Territoria	-
	ATT POWER (EH CONNECTION)	F660-2506-T662#10				-	-	DECEMBER AND	-	
	E&M TRUNK/PFT CABLE	E660-2506-T662#8				5	******	end-targetens		conm
	CABLE MOC-MODEM CABLE A	£660-2506-1760#5				-		-	-	*****
	TOATA TERMINAL ADAPTER	F108-0705-K001				A	1		1	-
	HAC DT1018 288 SPEAKERPHONE	F108-0706-8111				45	3	2	3	
050	STAND-ALONE DIU TO 19.2 KBPS	F128-0337-B101				105	1	1	1	PERM
051	MS/M ENGRO NET/DATA DIB SW	SW009600 MN1				1	or manufacture.		CANADA SANDA STREET	-
	CUST ENGRG FOR MIMS DATABASE	SW009500 MNC				1				
	EMML TERMINAL (IBM PC BASED)	GTIEMML			433 174	1	THE REAL PROPERTY.			
	36-PORT TELECONFERENCING SYSTEM	TEMPO MB								
055	SLT SPEAKERPHONE UNIT	KX-T1020		THE STATE OF		28	1	2	1	-
056	SLT AMPLIFIED HANDSET	W-6				6		1	-	
	MANAGEMENT SYSTEM W/4 CRY	GTI/TSI/MS-4	The same of	STATE OF THE		1		-		
058	POWER SUPPLY SUBSYSTEM	PS-48V	1 1 1 1 1 1 1 1 1			1		and the same and	contract streets	-
	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V					and organization of	and mineral second	PROPERTY AND LOSS OF	-
	INITIAL SPARE PARTS KIT	Nat Applicable	A STANCES			1	-		and a comment of the	
	OPPM - HOURLY CHARGE	Not Applicable				56	96	96	9.6	-
-	VOICE STATION LINES/DID EQUIPPED	Not Applicable	DE TREATMENT OF THE PROPERTY O			156	9	9	10000	



	SCHEDULE B - ITEMIZED PRICE LIST . LT	OP-48, INSTALLATION A	ND MAINTEN	NCE		*******			DATE	08/
		REGION V. Walnut Cr	sek CA		LOT	4			TIME	12:
	STATE OF THE PARTY OF THE PARTY OF	Paris Commence	r coerein le		Alternation of the second		11 12	NA SA		
T EXPENSE			1				-	-	-	-
	C	E		UNIT PRICE		-	QUAN	TITIES	-	· process
CLIN	ITEM DESCRIPTION	MODEL OR	G	1	K	N	0	0	R	1
NO.	OR NOMENCLATURE	PART NUMBER	LTOP-48	MSTALL	MO/MNT	YR-1	YR-2	YR-3	YR-4	YE
	COLUMN CET WO NW	250100M0E20M	Townson State		<b>SALESHIER</b>	110	T 61			_
	RESEMBL SOFTWARE	301976-05				1	referencements	- 6	6	-
	RE TRITY SOFTWARE	360061-05					-	-	DOMESTICS OF THE PERSON NAMED IN	-
004	RS MCPR SAW RTLANDS OF CONFIG	360114-05				1			THE RESERVE	1
005	AS MS'S FLOPPY DISK BOOT SPWE	360192-05				1		-		
006	RS PREFORMATTED BLANK DISK	360193-05				15		-		
007	RS MCPR SAV RTIMES TO CONFIG	360231-05							No. of Contract	
DOE	RE USER DOCUM" TATION PKG	360435-01				3				
	HASIC CAB PACT DEPOSITE XLA 145	360439-01				4				
	EASIC LTU PK FOR LTUP COMPANY MARS	360441-01				9				
2114	MASTER PACKING	350443-01				-			The same of the same of	
212	BASIC CAB PACKAGE TEMS RE	360449-01				A	-	-	-	
	MARTER PACK RS	360447-01				1	According to the same	-	Parallel making	
	BASIC LTU PK - DR WAS BEEN UP MS-RS	360450-01				3	-	-	of the designation	-
	SYST FWDING ENHANCEMENT PS	360454-07				-	-	· respective co	-	evano.
	EXPANDED SPEED DIALING CODES RS	360464-10				1		-	-	-
Marie Contract Contra	JOINT TENANT SERVICE RS	360464-17				*******	-	-	-	-
ACT SHOWING	PITPONIC E SUPRA LEAR OVER HEAD	769084-03 D110-042-XX5	100			2	-	-	-	-
	ATTEND CONSOLE QUICK REF QUIDE SINGLE LINE TEL QUICK REF QUIDE	D110-045-005	<b>机路线路路</b>			2220	-			-
	DATA INTEC UNIT QUICK REF GUIDE	D110-049-005				229 105	6	6	6	-
	DIG TELEPHONE QUICK REF QUIDE	D110-051-005	10000000			45	3	2	3	robers
	DATA TERM ADPTR QUICK REF CUIDE	D110-053-005				4				
	LTF CAS E A F376D1 /M	E005-0276-E101				and the same	-	PRODUCTION OF		****
	ALARM SENDER	E068-1356-8101				1	-	-		CHARGE !
overence region	HAC-ATTENDANT CONSOLE	E07B-1074-6401	1000			2		-	and the same of	ersease
027	BUSY LAMP FLD DIRECT STA SELEC	E078-1075-8001				2	-	-		-
	MIXER TRUNK CARD	E168-3001-R460	<b>影力影响</b> 苏州。							-
029	AW ESM TIE TRUNK CARD	£165-3001-R990				3				
030	NIGHT BELL/CODE CALL INTEC CD	E168-3003-R280				1				
021	SINGLE LINE TELEPHONE CARD	E168-3003-R310				2	1			
	PINGER GENERATOR CARD	E168-3003-R530			de la la	1				
	MODEM POOL CONTROLLER CARD	E168-3003-8560					-	-	-	
i-adiski ro <b>g</b> re	THARACTER TRUNK CARD	E168-3007-R430				2		-		
	OPS LINE CARD	E168-3008-R250				15	-	-	-	a total and
moreous region	PERIPH BUS CTL CARD 4-DMA	E168-3008-R540				1	-			-
	DIGITAL LINE CARD - 16 28+D	F168-3009-P150				11	-	-	-	
	CO LS GS TK CARD A (Std 600 OHM)	E168-3009-8170		38.426.753		3	-	-	-	-
	ONE WAY DID TRUNK CARD	E168-3009-8770 E168-3015-8590				2	-	-	-	-
	SWITCHING NETWORK CARD E RE ATTENDANT LINE CARD RS	E168-3015-R830				auresta area		-	enembles of	Security 1
	POWER FAILURE TRANSFER CARD	E168-9300-R000				1	-	-	reconstruction of	
	CABLE DUCT	E210-0042-T512FUSA				-	-	-	CONTRACTOR AND	-
	ATT POWER (EH CONNECTION)	£660-2506-1662#10	Wat Comment	N. Alexander		-	-	-	***************************************	********
	E&M TRUNK/PET CABLE	£660-2506-T662#8				5	-	-	manual property	-
THE RESIDENCE OF	ATT POWER (EG CONNECTION)	E660-2506-16/12#9				1	-	-	-	-
	CABLE, MDC-MODEM CABLE A	5660-2506-T760#5	think the second			-		-	-	
	DATA TERMINAL ADAPTER	F108-0705-K001				4	1		1	n-Named Co.
repositive get	HAC DT1018 288 SPEAKERPHONE	F108-0706-8111	A Car			45	3	2	3	-
50 5	STAND-ALONE DIU TO 19.2 KBPS	F128-0337-B101				105	1	1	1	-
	MS/M ENGAD NET/DATA D/B SW	5W009600 MN1				1			-	
	CUST ENGRG FOR MIMS DATARASE	5W009600 MNC				1	-			
	MML TERMINAL (IBM PC BASE)	GTIEMML				1				
	36-PORT TELECONFERENCING SYSTEM	TEMPO MB								
	SLT SPEAKERPHONE UNIT	KX-J1020				_28	1	2		
	SLT AMPLIFIED HANDSET	W-6				6		1	-	-
	MANAC, MENT SYSTEM WIR CRT	GTI/TSI/MS-4								
	POWER JUPPLY SUBSYSTEM	PS-48V				1			-	-
	INIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V			a. a.	-		-	O AND DESCRIPTION OF	-
	ATTIAL SPARE PARTS KIT	Not Applicable				1			differences	-
10 1 11	OPPM - HOURLY CHARGE	Not Applicable				56	96	95	96	9
	VOICE TATION LINES/DID EQUIPPED	Not Applicable				156	9	6	10	1



SCHE	DULE B - ITEMIZED PRICE LIST - LT	The state of the s	CONTRACTOR OF THE PARTY OF THE	INCE	-	-			DATE	08/
		REGION V: Walnut Ch			LOT	A CONTROLLE	AND THE REAL PROPERTY.	CONTRACT AND	TIME	12:
	AND THE PERSON AND THE PARTY OF				1					
							matter to be account.			
-	C	E	a consiste source. No const. In the	UNIT PRICE			QUAN	TITES		-
CLIN	ITEM DESCRIPTION	MODEL OR	G	1	K	N	0	a	R	
NO.	OR NOMENCLATURE	PART NUMBER	LTOP-80	INSTALL	MO/MNT	YR-1	YR-2	YR-3	YR-4	YF
			ANADOTORISM	ZERSEZ-ARKO	NATIONAL PROPERTY.					
001	STANGE LINE SET WO MW	260100M0E20M				110	5	6	6	
002 R5 E	MML SOFTWARE	301976-05				1	-	-	CALLED TRANSPORT	-
	PITY SOFTWARE	3: 1261-00				1		*****	-	
OCA RE M	COR SIW RTUNK TO CONFIG	360192-05		Barrier Const.			*********	-	-	-
	SIS FLOPPY DISK BOOT SEWE	360193-05				15		-	****	-
007 R5 M	CPR S.W. RTL	360231-05					-	CONTRACTOR OF THE PARTY OF THE	-	-
	SER DOCUMENTATION PKG	360435-01				5	THE STABLE OF	ertern comments	Total Calvins	-
	C CAB PACK WINDS BATE XL M.RS	360439-01				-			BA14 MINE TO THE	-
	CLTU PE FOR LTUP	360441-01					A Contractor of	-		-
1 1"85755580	PANALOG MASTER PACKIRS	360443-01								-
	C CAB PACK TO ME TE MS-RS	360449-01								
	PANALOG MASTER PACK-RS	360447-01				1				
014 BASI	LTU M. FOR MOUNTAIN TUP MS-R5	360450-01				3				
015 SYS1	EWDING ENHANCEMENT RE	360464-07								_
	NDED SPEED DIALING CODES AS	350464-10	THE REAL PROPERTY.			1				
217 JU.16	T TENANT SERVICE RS	360464-12	Company of the last of the las	<b>国际的国际</b>					-	-
DIB PITHO	ONIC E SUPRA 1-EAR OVER HEAD	769084-03				2	or any other services	****************	-	-
THE LATTE	NO CONSOLE QUICK REF QUIDE	D110-042-005				2	-	-	-	nem.
	LE LINE TEL QUICK REF GUIDE	D110-045-005				229		6	6	-
	INTEC UNIT QUICK REF GUIDE	D110-049-005			4	105	1	1 2	1	-
	ELEPHONE QUICK REF GUIDE	D110-051-005 D110-053-005	1-002 KINNESK			45	3	-	3	
	CABLE A-F276D1 /M	FOOB-0276-E101				4		-		-
	M SENDER	E068-1356-8101	-			1	-			H2001
CHANGE OF THE SERVICE CANS.	ATT, NOANT CONSOLE	E078-1074-8401						-	Transfer of	100,000
27 BUSY	LAMP FLO DIRECT STA SELEC	E078-1075-B001				2	-	-		-
	R TRUNK CARD	E165-3001-R460	一般地域				-	-	-	-
	&M TIE TRUNK CARD	F158-3001-8990				3	-		************	romma
econ HLXB/LINEER SYMBOL	T BELL/CODE CALL INTEC CD	E 18-3003-8280	100000000000000000000000000000000000000				-		-	-
31 SINGL	E LINE TELEPHONE CARD	E168-3003-8310	<b>一切形力的</b>			1 2	1			echtein
32 RINGE	R GENERATOR CARD	E168-3003-R530				1				
33 MODE	M POP ONTROLLER CARD	E168-3003-R560								
BAHOL NE	ACTE TUNK CARD	£168-3007-8430	ED SERVE			2				
035 OPS L	INE CAMP	E168-3008-R7=2				15				-
	H BUS CTL CARD 4-DMA	E168-3008-P540				1				_
recognitional designation was represented	AL LINE CARD - 16 28 + 0	E168-3009-R150				11				-
	GS TK CARD A ISIN 800 OHM	E168-3009-8170				3				
	WAY DID TRUNK CARD	E168-3009-R770				2	-	-		-
	CHING NETWORK CARD 8 R5	E168-3015-9597	MESSERIE			1	-	-	-	-
	NDANT LINE CARD RS	E168-3015-R830	一個技術學			1	-		******************	-
43 CABLE	A FAILURE TRANSFER CARD	E168-9900-8000 E210-0042-TE12#USA				- !	-	-		
	OWER (EH CONNECTION)	E660-2506-T662#10			NAME OF THE OWNER, WHEN	1	-	-	-	-
	TRUNK/PET CABLE	E660-2506-1662#10				-	-	-	-	-
NOT THE WATER TO SHARE A SHARE OF THE PARTY.	OWER IEG CONNECTION	E660-2506-1662#8	- 1000000000000000000000000000000000000			5	Ter titutes	-		-
	E. MOC MODEM CABLE A	E660-2506-1760#5	-			-	-	-		-
	TERMINAL ADAPTER	F108-0705-K001				4	1	-	1	met beyond
	TTOTE 288 SPEAKER PHONE	F108-0706-B111				45	3	2	3	-
	D-ALONE DIU TO 19 2 KBPS	F12B-0337-B101				105	3	1	1	E-1000.00
	ENGRO NET/DATA DIB SW	SW009600 MN1				1		-		-
egen elegen in a serior a rem	ENGRG FOR MIMS DATABASE	SW009500 MNC				1		-	-	-
	TERMINAL (IBM PC BASED)	GTIEMML				1	7			-
	AT TELECONFERENCING SYSTEM	TEMPO MB					1			THE REAL PROPERTY.
	PEAKERP-ONE UNIT	KX-T1020				28	1	2	1	-
	MPLIFIED HANDSET	W-6				6		1		-
	GEMENT SYSTEM W/4 CRT	GTI/TSI/MS-4				6				-
	A SUPPLY SUBSYSTEM	PS-48V				1				
	RSAL PS BATT BACKUP SUBSYST	UPS-48V				-				-
	L SPARE PARTS KIT	1.51 Applicable				1		**********		***
	- HOURLY CHARGE	funt Applicable				56	96	96	96	9
	STATION LIFES/DID EQUIPPED	. If Applicable				156	9	8	10	1
	Yed Yed	[Reserved]	THE RESERVE				-	-	-	ĺ



SPARES KIT for ALL LOTS BAFO					
DESCRIPTION	MFR PART#	QTY PROV'D			
BASIC CAB PACK	360370-01	1			
FLOPPY DISK DRIVE	E158-0080-C002				
HARD DISK DRIVE (40MB)	E15B-0099-C001				
MISC CONTROL CARD	E16B-3003-R550	1			
CLOCK DISTRIBUTOR CARD	E16B-3005-R350				
DIGITAL LINE CARD	E16B-3009-R150	1			
T-1 TRUNK PACK	360348-01	1			
ISDN/PRI & T1 W/SYNC CD	E168-3006-R950	1			
SINGLE LINE TEL CARD	E168-3003-R310	1			
CO .S/GS BW TK CD 600 OHM	E16B-3009-R170	1			
NIXER TRUNK CARD	E16B-3001-R460	1			
DTMF CARD	E16B-3003-R710	1			
TONE DETECTION CARD	E16B-3003-E017				



	ULE C - INTEREST RATES AND AN A - REGIONA OCATION	FACTORS  ANY REGION or LOC	ATION	LOTS: 1-4	DATE 08/04 TIME 12:20
B TOP 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%		

<sup>\*</sup> Subject to change, based upon the Federal Reserve Statistical Release G.13 for 7/7/92.

TERMINATION LIABILITY SCHEDULE (See next page.)

<sup>\*</sup> Also, 5 year rates were used for 48 month LTOP; no 4 year G.13 rates are published.



#### TERMINATION LIABILITY SCHEDULE (Expressed as % of Purchase Price) BAFO For LTOP plane, canosled at and of month: LTOP LTOP LTOP LTOP Term'd 24 36 60 0 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 36 0.00% 0.00% 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% 0.00% 49 0.00% 0.00% 0.00% 0.00% 50 0.00% 51 0.00% 0.00% 0.00% 0.00% 52 0.00% 53 0.00% 0.00% 0.00% 54 0.00% 0.00% 0.00% 55 0.00% 0.00% 0.00% 0.00% 56 0.00% 0.00% 57 0.00% 0.00% 0.00% 5.0 0.00% 0.00% 0.00% 59 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%



	SCHEDULE D - TARIFFED CHARGES	U.S. NUCLEAR REGULATORY COMMISSION			BAFO			FILE NAC		
	COLUMN A - REGIONA OCATION =	REGION V. Walnut C		Commence of the Commence of the	1.07:	A			TIME 16	
A	C ITEM DESCRIPTION OR NOMENCLATURE	Y TARIFF (LEC) REFERENCE	E NONRECUR UNIT PRICE	C RECUR UNIT PRICE		INCR 01- 60	13- 60	AL Q 25- 60	Q TY PEN 37.	1 Q 1005 49- 80
4001	CO LOOP Line	PACIFIC BELL	\$70.75	814.00	A CARLON CONTRACTOR	3.4				42
4002	DID Line	PACIFIC BELL	70.75	18.00		13		P. Sector Manager		10
4003	DID Station/20 Stations	PACIFIC BELL		4.00		8				10
4004	CO FTS 2000 Access Line	PACIFIC BELL	70.75	14.00		16				1.9
4005	FX Line	PACIFIC BELL	141.50	79.58	PRODUCTION OF THE PERSON OF	4				5
4006	OUT WATTS Line	PACIFIC BELL	70.75	25.00		3		TOTAL CASE OF THE SECOND		4
4007	OUT WATTS Hours 0-5	PACIFIC BELL		11.00		3				4
4008	OUT WATTS Hours 5.1-15	PACIFIC BELL		9.75						
4000	OUT WATTS Hours 15 1-30	PACIFIC BELL		9 00						
4010	OUT WATTS Hours 30 1-XXX	PACIFIC BELL		8.25				Anna Aram princip		-
4011	OUT WATTS Setup Fee Fet Call	PACIFIC BELL		0.05						
4012	OPX Line	PACIFIC BELL	198.00	18.00		119				128
4013	(Reserved)									and the residence
4014	(Reserved)						-			NO. OF THE PARTY OF
4015	(Reserved)									
4016	(Reserved)									
4017	(Reserved)									CONTRACTOR OF THE PARTY OF THE
4018	(Reserved)	***************************************							-	- Participan
4019	(Reserved)									-
4020	(Reserved)				THE RESERVE THE PARTY OF THE PA			a terminal trade		and the second second
4021	(Reserved)									
4022	(Reserved)									Machine Me
4023	(Rassived)							- Children	-	
4024	(Reserved)									
40.25	(Reserved.							-		arterior. 4

RFP's "Equipped Capacity" quantity is reflected in column 101-60".

RFP's "Projected Maximum Capacity" quantity is reflected in column "49-80".



	SOLICITATION: RS-IRM-92-344 U.S. NUCLEAR REGULATORY COMM SCHEDULE E - SERVICE CHARGES - OPTIONAL ITEMS	ISSION BV	DATE 08/04
SANOTESTS:	COLUMN A - REGIONA OCATION = ANY REGION or LOCATION	LOTS: 1-4	TIME 12:20
CLIN	ITEM DESCRIPTION/NOMENCLATURE	PRICE	
MARKAN PARK		PROPERTY OF A STREET WAS A STREET OF THE STREET	VS18-sed-Static Formula See
5001	CABLE REMOVAL, PER JOB		
6002	DE-INSTALL AND PKG EXIST SYST, JOB		
5003	EQUIPMENT USER TRAINING, PER STUDENT		
6004	CONSOLE TRAINING, PER STUDENT		
5005	ALL OTHER TRAINING, PER SESSION		
5008	INITIAL SYSTEMS DRAWINGS, SET		
	UPDATED SYSTEMS DRAWINGS, SET		
5008	SITE VISITATION CHARGES, PER VISIT		
5009	DISCONNECTS, PER STATION		
5010	STATION MOVES WITH 100' CA.U.ING, EA		
5011	REPROGRAMMING, PER HOUR		
5012	MISCELLANEOUS WORK, PET YOUR	Control of the Contro	
5013	SITE PREPARATION, JOB		
5014	DETAILED STATION REVIEWS, EA		
016	INSTALL NEW CABLES, EA		
0164	INSTALL & MAINTAIN CABLE FOR PROP STA EQUIP, EA		
	MANUALS, MAINTENANCE & OPERATOR, SET		

<sup>\*</sup> May already be priced in Tables A & B.



SOLICITATION: RS-IRM-92-344 SCHEDULE F - EQUIPMENT ROOM RE	OUIREMENTS		BAFO	FILE: DATE:	NRC 08/04
REGION V: Walnut Creek CA	LOT:	41		TIME:	12:20
ITEM DESCRIPTION	Insert Total Require	ed for Period I	Beginning wit	h Month:	10/9/7
OF NOMENCLATURE	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	11,89
Equipment Room Space (SqFt)	34.5	34.5	34.5	34.5	34.
Power Costs @ KWH					
Space Costs @ SQFT					
	mark to be common assessment				
Evaluated Power Cost					
Evaluated Space Cost					
Total Cost Evaluation for Power		For 60 Month	ns		
Total Cost Evaluation for Space		For 60 Month	1S		
Total Evaluated Cost	\$13,280.60	For 60 M	lonths		

#### 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.



### 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 "vr 1" through "vr 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.

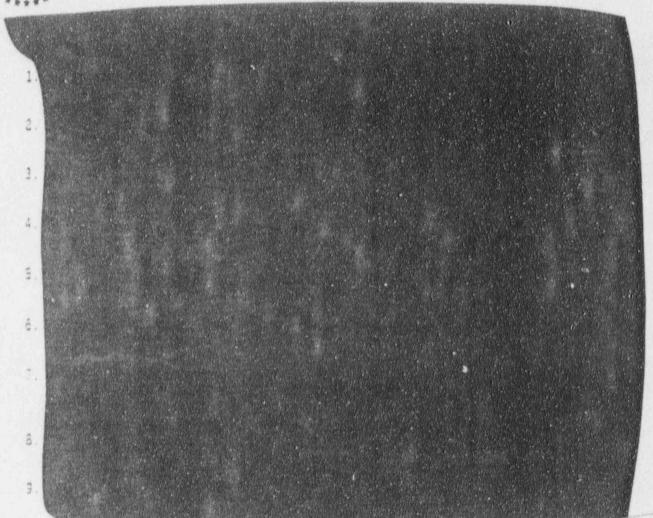


# Responses

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



## NUCLEAR REGULATORY COMMISSION WASHINGTON, D.C. 20666





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. addition to other discounts applied at this time.

Best

and

Final

Offer

(BAFO)



# NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20665

JUL 3 1 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 1, 111 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 Wasnington, 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.

Government Telecommunications, Inc. -2-

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

Sincerely,

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

# FEDERAL RESERVE statistical release

These care are released each Mighday. The availability of the release will be announced when the information is evaluable, or 1202-1402-9206.

For immediate release

H.15 (519)

### SELECTED INTEREST RATES

Yields in percent per ennum

July 13, 1992

	1992	1992	1992	1992	1992			1992
	JUL .	-NL	JUL	-AUL	JUL	This	Last	المال
Instruments	6	7	8		10	salah.	week.	
FECERAL FUNDS (EFFECTIVE) 2 3 COMMERCIAL PAPER 3 4 8	3.15	3,35	4.19	3.46	3.80	3.24	3.87	3.76
1-MONTH	3.49	3.46	3.44	3.43	3.41	3.45	3.80	3.43
1-POSTA	3.50	3.47	3.45	3.44	3.43	1.44	3.80	3.42
	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3.84	3.53	3.53	3.51	3.55	3.67	3.94
6-PRODUTE	3.60	3.5*	2.22	2.22				
FINANCE PAPER PLACED DIRECTLY 3 4 4		5.34	3.31	3.32	3.30	3.33	3.68	3.83
	3.58	3.35	3.30	3.32	3.31	3.33	3.67	3.62
3-HONT	3.38	3.41	3.37	3.77	3.37	3.39	3.64	3.80
6-HO T4	3.61	2.42	3.31	**	2.27	2.27		
BANKERS ACCEPTANCES ITOP RATED 13 4 7			3.32	3.32	3.30	3.33	3.66	3.80
3 - MON-T H	3.37	3.33	3.42	3.42	3.40	3.43	3.72	1.88
6 - HONTH	3.66	3.43	3.46	3.46	2.40	2.42	****	2.00
COS ISECONDARY MARKET 13 8	La la la			1 15		3.36	3.74	3.83
1-MONTH	3.41	3.38	3.33	3.35	3.32	3.37	3.75	3.84
3-HONTH	3.42	3.38	3.35	3.36	3.34			3.97
6 HIONT H	3.56	3.53	3.48	3.51	3.48	3.51	3.90	3,71
"URODOLLAR DEPOSITS (LONDON)" *		112100						
1-HONTH	3.66	3.38	3.25	3.31	3.31	3.34	3.730	3.81
3-HONTH	3.50	3.5*	3.38	3.38	3.88	3.54	3.744	3.87
e-mONTH	3.63	3.50	3.50	3.50	3.50	3.54	3.600	4.00
BANK PRIME LOANS 3 10	6.00	6.00	6.00	6.00	6.00	6.00	4.50	6.50
DISCOUNT MINDON BORROWING? 11	3.00	3.00	3.00	3.00	3.00	3.00	3.50	3.50
U.S. GOVERNMENT SECURITIES								
TREASURY BILLS								
AUSTION AVERAGE 3 4 12								
3-MONTH	3.23					3.23	3.59	3.70
6-MONTH	3.32					3.32	3.86	3.61
1-YEAR	1000						3.93	4.07
AUCTION AVERAGELINVESTMENT 112								
3 - MON/TH	3.30					3.30	3.67	3.74
6-MONTM	3.42					3.42	3.78	3.94
SECONDARY MARKETS 4								
E-MONTH	3.22	3.21	3.22	3.21	3.22	3.22	3.48	3.66
6-HONTH	3.31	3.28	3.29	3.27	3.27	3.26	3.57	3.77
1-YEAR	1.52	3.68	3.48	3.47	3.44	3.68	3.79	3.98
TREASURY CONSTANT MATURITIES 13						100		
1-YEAR	2.67	3.63	3.63	3.65	3.42	3.64	3.94	4.17
2-YE4R	14.46	4.40	4.40	4.40	4.38	4.41	6.76	5.05
3-YEAR	5.06	4.98	4.98	4.97	4.95	4.99	5.33	5.00
5-YEAR	5.97	5.91	5.93	5.93	5.92	5.93	4.22	8.66
7-4548	8.49	4.45	6.45	6.45	6.63	6.45	6.44	6.90
10-YEAR	6.90	6.87	6.91	4.91	6.93	6.90	7.07	7.26
	7.62	7.62	7.61	7.61	7.54	7.62	7.74	7.84
30-YEAR	7.06		7					
COMPOSITE	200	7.43	7.45	7.44	7.67	7.45	7.56	7.71
OVER 10 YEARS (LONG-TERM)14	7 , 6460	1,42	2.779					
CORPORATE BONDS						1 1 1 1		1000
HOODY'S SEASONED	1			8.08	8.07	8.08	8.16	8.23
AAA	8.08	8.08	8.08	8.08			8.98	4.0
BAA	8.90	6.69	8.89	8.69	8.55	8.89		8.6
A-UTILITY15					8.41	8.41	B . 444	6.61
TATE & LOCAL BONDS 14	1			6.17	4	6.17	6.38	
DINIENTIONAL MORTGAGES 17	1	-	Manage Property	-	0.13	8.13	8.29	8.5

SEE OVERLEAF FOR FOOTHOTES

<sup>\*</sup> furndallar rates for July 3 have been revised as follows: 3.6m, 3.50, and 3.63 percent for 1-month, 3-month, and 4-month deposits, respectively.

#### FOOTNOTES.

- The daily affective federal funds rate is a weighted everage of rates on trades through N.Y. brokers.
- meetly figures are everages of 7 calendar pays ending on mednesday of the our rent weeks nonthly figures include each celencer day in the month.
- Arrublized using a 3e0-day year or bank interest.

the state of the

- Quoted on a dixpount basis.
- An average of offering rates on commercial paper placed by several leading dealers for firms whose bond rating is ak or the equivalent.
- An average of offering rates on paper directly placed by finance compenies.
- Representative closing yields for acceptances of the highest rated money center banks.
- 6. An average of dealer offering rates on nationally traded certificates of deposit.
- bid rates for Eurodoller deposits at 11 a.m. London time.
- One of several base rates used by barns to price short-term business loans.
- Rate for the Faderal Reserve Bank of him York.
- Auction date for daily data; weekly and nonthly averages computed on an issue-date basis.
- Tields on actively traded issues adjusted to constant maturities. Source: U.S. Tradeury. Unweighted everage of rates on all outstanding bonds neither due nor callable in less than 10 years
- Estimate of the yield on a recently offered, A-rated utility bond with a muturity of 30 years 1.5 and call protection of 5 years; Friday quotations.
- Some Sover Incer, general obligation, 20 years to maturity, mixed quality; Thursday duotations.
- Contract interest rates on commitments for fixed-rate first mortgages. Source: FKINC.

Note: headly and monthly figures are everages of business days unless otherwise moted.

### DESCRIPTION OF THE TREASURY CONSTANT MATURITY SERIES

Yields on Treasury securities at 'constant maturity' are interpolated by the U.S. Treasury from the \_ onily yield curve. This curve, which relates the yield on a security to its time to maturity, is based or the closing market bid yields on actively traced Tressury securities in the ower-the-counter market. These market yields are calculated from composites of quotations reported by five leading U.S. Sovernment securities dealers to the Federal Reserve Bank of New York. The constant maturity yield values are read from the yield curve at fixed meturities, currently 1, 2, 3, 5, 7, 10, and 30 years. This method provides a yield for a 10-year meturity, 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)

STE

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



CONFIGURATION WORKSHEET		U.S. NUCLEAR REGULAT			DATE ON/ON			
		NRCOC Betherds	MO	LOT	ander accused	enterior en	TIME	12:
							SIA 6	
			-compared to the state of the s		-	-	-	MANAGE AND ADDRESS OF THE PARTY AND ADDRESS OF
	C	E		-	QUAN	TITIES	-	quere a
LIN	ITEM DESCRIPTION	MODEL OR	NAMES AND ADDRESS OF THE PERSON OF THE PERSO	N	0	0	A	1
0.	OR NOMENCLATURE	PART NUMBER	COM ADDITIONAL CONTRACTOR	YA-	1 YR-2	YR-3	YR-4	YF
				-		-	-	-
	CALINA SET WIO MW	250100MOE20M		21	3 2	3	-	-
	S EMML SOFTWARE	301976-04			-	-		-
X3.18	5 TPITY SOFTWARE	360061-05		A STATE OF THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER, THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER, THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER, THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER, THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER, THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER, THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER, THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER, THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER, THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER, THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER, THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER, THE OWNE	hopenson			-
	S MS/S FLOPPY DISK BOOT SEWE	360114-05 360192-05	- net filt and net control of the second	-	-	-		+
X2.12 X06 18	5 PREFORMATTED BLANK DISK	360193-05	COMMENT OF PERSONS AND ADDRESS OF THE PERSON	1	5		-	E-man
	5 MCPR SW BTUMON CONFIG	360231-05	- Charles and Administration of Contract o			-	-	-
KOR B	S USER DOCUMENTATION PKG	350435-01						
09 6	ASIC CAB PACK TRIBLES EXTEXUM-RS	350439-01			1			1
10 8	ASIC LTU PK FOR LTUP	360441-01			2			
11.15	MANALOG MASTER PACK-RE	360443-01	THE RESERVE OF THE PARTY OF THE		1	-	-	-
112 B	ASIC CAB PACK BOOK XTF MS-R5	360449-11			-	-	-	-
137	At. ALOG   ASTEP PACK-RS	360447.71			-	-	-	-
14 (8	ASIC LTU PI FOR THE PUP MS-RS	360450-01	consistents in an extensi of consistent hand some		-	-	-	-
12 18	YST FYOIL & HANCEMENT RE	350454-07						-
	XPANDED SPEED DIALING CODES RS	360464-10	CONTRACTOR OF THE PERSON NAMED IN COLUMN TWO		-	-		+
r-husben 🗗 Sis-	OINT TENANT SERVICE AS	360464-12 769084-03	- NORTH THREE PROPERTY OF THE PARTY OF THE P	and the second s	2	and the section	-	-
	TTRONIC E-SUPRA 1-EAR OVER/HEAD	0110-042-005	CARLOTTE STATE OF A STATE OF		3	-	-	-
20 8	INGLE LINE TEL QUICK REF QUIDE	D110-045-005	Committee of the second second second second	21	6 2	3		nposer.
	ATA INTEC UNIT QUICK REF GUIDE	D110-049-005	CONTRACT OR STREET, ST	3		-	-	-
	IG TELEPHONE QUICK REF GUIDE	0110-051-005	CAMPACTORISM. TO MESSAGE STORE ON WHICH PARTY	7		4		-
	ATA TERM ADPTR QUICK REF QUIDE	D110-05 3-005	Contract processing species in the contract processing and contract of the con	1 2	3 2	2		+
	TF CABLE A F27801 /M	E008-0.76-E101	- METABLISHED OF STREET, STREE		1	-	-	1
	LARM SENDER	E068-1356-8101	THE RESERVE THE PERSON NAMED IN COLUMN 2 I			1	1	1
26 14	AC-ATTENDANT CONSOLE	E078-1074-8401			3			I
27 8	USY LAMP FLD DIRECT STA SELEC	E078-1075-8001			3	1		I
	IXER TRUNK CARD	E168-3001-8460	Control of the Contro		1	-	-	1
29 4	W F&M TIE TRUNK CARD	E168-3001-R990	-		3	-	-	-
	IGHT BELL/CODE CALL INTEC CD	E168-3003-R280	A THE RESIDENCE OF THE PARTY OF		1	-	-	-
	INGLE LINE TELEPHONE CARD	£158-3003-R310		-	7	-	-	·
	INGER GENERATOR CARD	E168-3003-R530		-	2	-	-	+
	ODEM POOL CONTROLLER CARD	E168-3003-R560	CONTRACTOR TO ANY OTHER DESIGNATIONS	-	-	-	-	+
	HARACTER TRUNK CARD	E168-3007-R430	Contract of the Contract of th	+	-	-	-	-
	PS LINE CARD	£158-3008-8250 £168-3008-8540	THE RESERVE OF THE PARTY OF THE	and contract recovering the contract of the co	mand-money-cut	-	-	-
	IGITAL LINE CARD - 16 28 + D	E168-3009-R150	Contract the sea of the second		2	1	-	-
erkerann <b>ri</b> er(d).	O LS/GS TK CARD A (Std 600 OHM)	£168-3009-8170	CONTRACTOR		3	and a second	-	+
	NE WAY DID THUNK CARD	E168-3009-R770			2	-	-	+
	WITCHING NETWORK CARD B RS	E168-3015-8590			2	-	1	
2.4	TTENDANT LINE CARD RS	E158-3015-R830						1
42 P	OWER FAILURE TRANSFER CARD	£168-9900-R000			1			I
43 C	ABLE DUCT	E210-0042-T512#U5A	- THE PROPERTY AND THE PARTY OF		2	-	1	-
	TT POWER IEH CONNECTION)	E660-2506-T662#10			11	-	-	1
	&M TRUNK/PFT CABLE	E660-2506-T662#8			5	-	-	-
	TT POWER (EG CONNECTION)	E660-2506-T662#9	CONTRACTOR		1	-	-	-
	ABLE, MDC-MODEM CABLE A	£650-2506-T760#5	THE RESIDENCE OF THE PROPERTY OF THE PARTY O	-	2	-	-	-
	ATA TERMINAL ADAPTER	F108-0705-K001		2	2	2	+	+-
	AC DT1018 288 SPEAKERPHONE	F108-0706-8111 F128-0337-8101	- NOR GENERAL REFERENCE STATE OF STREET, ST. 193	7	ii-odjemnecturiile.	4		+
	TAND-ALONE DIU TO 19.2 KBPS IS/M ENGRO NET/DATA D/B SW	5W009600 MN1		3	1	-		+
	UST ENGRG FOR MIMS DATABASE	5W009600 MNC	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN		1	-		+
	MML TERMINAL (IBM PC BASED)	GT/EMML	THE RESERVE AND ADDRESS OF THE PARTY OF THE	THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER.	1	TONE STORY	***********	1-
	6 PORT TELECONFERENCING SYSTEM	TEMPO MB	THE RESERVE OF THE PARTY OF THE		2	-	-	1
55 3	LT SPEAKERPHONE UNIT	KX-T1020			2.1 1	1		-
56 5	LT AMPLIFIED HANDSET	W-6			2			T
157 M	ANAGEMENT SYSTEM WIA CAT	GTI/TSI/MS-4			1			1
	OWER SUPPLY SUBSYSTEM	PS-48V		THE REAL PROPERTY OF THE PROPE	1			
	NIVERSAL PS BATT/BACKUP SUBSYST	Ulrg-48V		-	1	-		-
	HITIAL SPARE PARTS KIT	Not Applicable			1		-	707.300
	PPM - HOURLY CHARGE	Not Applicable			1		-	-
	DICE STATION LINES/DID EQUIPPED	Not Applicable		23	1 7	7		



SOLICITATION: RS-IRM-92-344	U.S. HUCLEAR REGULATORY COMMISS	ION BAFO	DATE 08/04
CONFIGURATION WORKSHEET	Torquest Line of Princip PA	LOT 2	TIME 12:23
	REGION ! Ling of Prussia PA		
The second secon	The state of the s	Mile Thinks IV To Print the Walter of the Park and the Pa	STONE OF STREET, STONE
The second secon	E	QUANTITI	ES
C	MODEL OR	N O C	CONTRACTOR CONTRACTOR CONTRACTOR
TEM DESCRIPTION OR NOMENCLATURE	PART NUMBER	YR-1 YR-2 YR	3 YR-4 YR-
VO. OR NOMENCEATURE			
OOT SET WIO MW	260100M0E20M	248 13 1	4 15 1
002 RS EMML SOFTWARE	301976-05		
003 RS TP/TY SOFTWARE	360061-05 360114-05	1	
006 RS MS S FLOPPY DISK BOOT SEWE	360192-06		
COS INS PREFORMATTED BLANK DISK	360193-05	15	
OOT IRS MCPR S/W RTUNE CONFIG	360231-05 360435-01		
008 RS USER DOCUMENTATION PKG	350439-01		
DIO BASIC LTU PK FUM LIUF WHOMEN MET M-MS	360441-01		
OF PARTIE ANALOG MASTER PACKING	360443-01		1
012 BASIC CAB PACK TO BE WATE MS-RS	360449-01 360447-01		
O13 ANALOG MASTE 1 PACK-RS	350450-01	3	
015 SYST FWDING ENHAN EMENT HE	360464-07		
OLE EXPANDED SPEED DIALING CODES AS	360464-10		
017 JOINT TENANT SERVICE RS	769084-03		1
018 PITRONIC E SUPRA 1-EAR OVER/HEAD	D110-042-005		1
1020 ISINGLE LINE TEL QUICK REF GUIDE	0110-045-005	264 13 151 4	14 15 1
1021 DATA INTEC UNIT QUICK BEF GUIDE	0110-049-005	79 2	3 3
1022 DIG TELEPHONE QUICK REF GUIDE	0110-051-005 0110-053-005	4	1
1023 DATA TERM ADPTR QUICK REF GUIDE	E008-0276-E101		
1025 ALARM SENDER	£068-1356-8101		
1026 HAC ATTENDANT CONSOLE	E078-1074-8401		1
1027 BUSY LAMP FLD DIRECT STA SELEC	5 E078-1075-8001		
1028 MIXER TRUNK CARD	£168-3001-R460 £168-3001-R990	3	
1029 AW EAM TIE TRIJNK CARD	E166-3003-R280		
1031 SINGLE LINE TELEPHONE CARD	E16B-3003-R310	11-1	1 1
1032 RINGER GENERATOR CARD	E168-3003-R530		
1033 MODEM POOL CONTROLLER CARD	£168-3003-R560 £168-3007-R430	3	
1034 CH4 CTER TRUNK CARD	0 £168-3008-A250		
1036 PET HIBUS CTL CARD 4-DMA	E168-3008-R540		
1037 DIGITAL LINE CARD - 16 28 + D	E158-3009-R150	15	1
1038 CO LS/GS TK CARD A 'SIN 600 OHM	E168-3009-R170 E168-3009-R770	2	
1040 MY TICHING NETWORK CARD B RS	E 168-3015-R590	1	
1041 / TENDANT LINE CARD RS	E168-3015-R830	1	
1042 LOWER FAILURE TRANSFER CARD	E168-9900-R000		1
1043 CABLE DUCT	# E210-0042-T512#USA # # E860-2506-T562#10		
1044 ATT POWER ISH CONNECTIONS	R E660-2506-T662#8	5	
1046 ATT POWER IEG CONNECTION	E660-2506-1662#9	1	
1047 CABLE: MDC-MODEM CABLE A	E 660-2506-1760#5		1 1
1048 IDATA TERMINAL ADAPTER	F108-0705-K001	79 2	3 3
1049 HAC DT1018 288 SPEAKERPHONE	F108-0706-8111	151 4	3 3
1050 STAND ALONE DIU TO 19.2 KBPS	\$ \$W009600 MN1 H		
1052 CUST ENGRG FOR MIMS DATABASE	\$W009600 MNC	1	
1053 EMML TERMINAL (IBM PC BASED)	GTEMML	1	
1054 36 PORT TELECONFERENCING SYSTEM	TEMPO MB	52 4	3 4
1055 SLT SPEAKERPHONE UNIT	₩-6	13 1	1
1056 SLT AMPLIFIED HANDSET 1057 MANAGEMENT SYSTEM W/4 CRT	GTI-TSI/MS-4		
1058 POWER SUPPLY SUBSYSTEM	PS-48V	1	
1059 UNIVERSAL PS BATT/BATKUP SUBSYS	T UPS-48V		
1050 INITIAL SPARF PARTS KIT	Not Applicable	56 96	96 96
1061 OPPM - HOURLY CHARGE 1062 VOICE STATION LINES/DID EQUIPPED	Not Applicable Not Applicable	228 15	18 18
1063 [Reserved]	(Reserved)	Designation of the latest school of the latest school of	



SOLICITATION: RS-IRM-92-344 CONFIGURATION WORKSHEET		U.S. NUCLEAR REGULATORY COMMI		BAFO				
		REGION III: Gien Elivn IL	LOT 3	1		TIME	12:	
and the second	C	E		QHAT	TITIES			
CLIN	ITEM DESCRIPTION	MODEL OR	N	19	0	A	8	
NO.	OR NOMENCLATURE	PART NUMBER	YR-1	YR-2	YR-3	YR-4	YP	
	SGL LINE SET W/O MW	260100MOE20M	209	T 51	101	10		
100 4	RE EMAL SOFTWARE	301976-05	1	and a second control of the	-	10		
HEAD COOKING	AS TETY SOFTWARE	360061-05	1			-	METOWS.	
	AS MCPR SW RTU ME CONFIG	360114-05				-		
	AS MS S FLOPPY DISK BOOT SEWE	360192-05						
	RS PREFORMATTED BLANK DISK	360193-05	15					
007	IRS MCPR SW AT WOONFIG	360231:05			- Tueldenier on	-	-	
000	AS USER DOCUMENTATION PKG	360435-01	1	-		Constantaine	_	
	BASIC CAR PACK BASE SATE XL/M-R5	360439-01						
010	BASIC LTU PK FOR LTUP	360441-01		-		15 11 11		
0114	MANALOG MASTER PACK-RS	360443-01		-	-	******		
012	BASIC CAB PACK ASTER PACK-R5	350449-01			-	-	-	
D1.34	ANALOG MASTER PACK RS	360447-01	1	ANTONOMINO PROPERTY				
	BASIC LTU PK FOR SIN TUP ML-RS	360450-01	1 3	-		-	-	
	SYST FWDING ENHANGEMEN" BS	350464-07		-	-		-	
	EXPANDED SPEED DIALING CODES 85	360464-70	1	-	-	-	-	
	JOINT TENANT SERVICE RE	360464-12		-			-	
	PITRONIC E SUPRA 1-EAR OVER/HEAD	769064-03		-	1		-	
Service Service	ATTEND CONSOLE QUICK REF GUIDE	0110-042-005	226	5	10	10	-	
	SINGLE LINE TEL QUICK REF GUIDE	0110-045-005	225	2	10	10	-	
ED/A-SSH	DATA INTEC UNIT QUICK REF GUIDE	0110-049-005 0110-051-005	131	-	-		-	
	DIG TELEPHONE QUICK PEF QUIDE		10		-	-	-	
244	DATA TERM ADPTR QUICT REF QUIDE	D110-053-005		+	-		-0110	
	ALARM SENDER	E068-1752-101		+		**********	-	
NUMBER STATE	HAC ATTENDANT CONSOLE	E078-1974-5	1	AND DESCRIPTION OF THE PARTY OF	1	-	-	
027	BUSY LAMP FLD/DIRECT STA SELEC	E078-3035-8			1	-	-	
	MIXER TRUNK CARD	E168 3001-8		-	-marks		-	
	4W EAM TIE TRUNK CARD	E168-3001-8990	3		-	-	THE STREET	
	NIGHT BELL/CODE CALL INTEC CO	E168-3003-128/			-	-	-	
	SINGLE LINE TELEPHONE CARD	E168-3003-R310	9			1		
	RINGER GENERATOR CARD	E 168-3003-R530				-		
	MODEM POOL CONTROLLER CARD	E168-3003-R560						
	CHARACTER TRUNK CARD	E168-3007-R430	1 2					
235	OPS LINE CARD	E169-3008-R250	2 2					
036	PERIPH BUS CTL CARD 4-DMA	E168-3008-R540	أيورة الموضوع الجمعودة					
037	DIGITAL LINE CARD - 16 28+D	E166-3009-R150	14					
38	CO LS/GS TK CARD A ISIN 600 OHM	E168-3009-8170	2					
239	ONE WAY DID TRUNK CARD	E168-3009-P170	2 3					
040	SWITCHING NETWORK CARD B RS	£168-3015-R590	1			***		
	ATTENDANT LINE CARD RS	E168-3015-R830	1		-	**********	-	
MANGALISTA S	POWER FAILURE TRANSFER CARD	E168-9900-R000	1	-		and the latest designation of	-	
	CABLE DUCT	E210-0042-T512#U5A	, 1	-			-	
	ATT POWER LEH CONNECTION	F660-2506-T662010		-	-		-	
	EAM TRUNK/PFT CABLE	E660-2506-T662/8	5	-			-	
	ATT POWER (EG CONNECTION)	E660-2506-T662#9	1	-		HARRIST A. T. TANK	-	
	CABLE: MDC-MODEM CABLE A	£660-2506-176085		-		-	-	
	DATA TERMINAL ADAPTER	F108-0705-K001	10		-			
	STAND-ALONE DIN TO 19 2 KBPS	F108-0706-8111 F128-0337-8101	131	regularization and an	-	-	-	
	MS/M ENGAD NET/DATA DIS SW	5W009670 MN1			*******	-	-	
	CUST ENGRG FOR M/MS DATABASE	SW009800 MNC	1	-	-	restadornio	-	
O'ALTHOUGH !	EMML TERMINAL (IBM PC BASED)	GTIEMML	1	-	-	weds instance	-	
	38-PORT TELECONFERENCING SYSTEM	TEMPO MB		-	-	encount and	-	
	SLT SPEAKERPHONE UNIT	KX-T1020	53	1	2	3	-	
BACTOR BOOK	SLT AMPLIFIED HANDSET	W-6	1 11		1	- Mercen	-	
	MANAGEMENT SYSTEM WIS CAT	GTI/TSI/MS-4			AL SECURITION	or many respectively.	-	
	POWER SUPPLY SUBSYSTEM	PS-48V	1	former	-	TAKE THE PERSONNEL	-	
	UNIVERSAL PS BATT/BACKUP SUBSYST	UPS-48V		1		Companies Spanies	-	
	INITIAL SPARE PARTS KIT	Not Applicable			-			
	OPPM - HOURLY CHARGE	Not Applicable		1	48	96		
06.2	VOICE STATION LINES/DID EQUIPPED	Not Applicante	288	6	11	11		
		THE PROPERTY OF THE PROPERTY O	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, IN COLUMN TWO IS NOT THE OWNER, IN	The Contract of the Contract o	-	Mary Mary Mary Mary St.	<b>Personal</b>	



## 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 - Purc 2se, 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 f at 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



FILE NAME: NRCF SOLICITATION RS-IRM-90-215 SCHEDULE A - ITEMIZED PRICE LIST - PURCHASE. INSTALLATION AND MAINTENANCE DATE 05/08 REGION V: Walnut Creek CA LOT: 4 TIME 10:31 COLUMN A - REGION/LOCATION = \*\*\*\*\*\* UNIT PRICES \*\*\*\*\* \*\*\*\*\*\*QUANTITIES\*\*\*\*\*\*\*\* T K N O O R S CLIN PURCHASE INSTALL MO/MNT 1/CO 13 25 37 49 +YRS PART NUMBER ITEM DESCRIPTION/NOMENCLATURE NO. ANALOG MASTER PACK-R4 360366-01 DIGITAL MASTER PACK-P4 360365-02 1003 BASIC LTU PACK FOR LTUP XL/M 360341-01 1004 BASIC LTU PACK FOR LTUP MS 360340-01 1005 MESG WAITING RINGER GENERATOR PK 350349-01 1006 ISDN PRI TRUNK PACK 360347-01 E168-3008-R540 1007 PERIPHERAL BUS CTL CARTO 4-DMA DOS SWITCHING NETWORK CARD B E168-3002-R010 £168-3005-R350 1009 CLOCK DISRIBUTOR CARD 1010 SINGLE LINE TELEPHONE CARD E168-3003-R310 E168-3008-R250 1011 OPS LINE CARD 1012 DIGITAL LINE CARD - 16 28+0 E168-3009-R150 1013 CO BOTHWAY TRUNK CARD A (600 OHM) E168-3029-R170 1014 ONE WAY DID TRUNK CARD £168-3009-R770 1015 1:0N/PRIST1 TRUNKS W/SYNC ADP/CO E168-3006-R950 E168-3001-R460 1016 MIX R TRUNK CARD 017 CONFERENCE TRUNK CARD E168-3001-R470 E168-3003-R270 1018 I LER FAILURE TRANSFER CARD E168-3003-R280 1019 NIGHT BELL/CODE CALL 1.F CARD £168-3007-R430 020 CHARACTER TRUNK CARD £168-3003-R560 1021 MODEM POOL CONTROLLER CARD E168-3009-R740 1022 ATTENDANT LINE CARD 8079-1074-8401 1023 HAC-ATTENDANT CONSOLE 024 BUSY LAMP FIELD/DIRECT STA SEL 8078-1075-8001 F128-0337-8101 025 STAND-ALONE DIU TO 19.2KBPS 026 DATA TERMINAL ADAPTER F108-0705-K001 :0 027 HAC DT100A 148 W/O SPEAKERPHONE F108-0705-8011 OZE HAC DT2008 148 DISPLAY SPERPHONE F108-0707-8111 301977-04 1029 EMML TERMINAL (IBM PC BASED) 1030 P/TRONIC E-SUPRA 1-EAR OVER/HEAD 769084-03 £660-2506-1983#1 1031 CLOCK SYNC CABLE (ISON/PRILTI) (Reserved) 1032 (Reserved) (Reserved) 1033 |Reserved 1034 E&M TRUNK/PFT CABLE £660-2506-1662#8 1035 ATT POWER (EG CONNECTION) £660-2506-T662#9 €660-2506-1760#5 1038 CABLE: MDC-MODEM CABLE A 1038 CABLE: MOLTHOUGH CABLE A 1037 R4 MCPR S/W RTU CONFIG 1038 R4 MCPR S/W RTU CONFIG 360114-04 360231-04 301976-04 1039 R4 EMML SOFTWARE 1040 R4 TP/TV SOFTWARE 360061-04 1041 R4 MS/S FLOPPY DISK BOOT SOFTWARE 360192-04 1042 SYSTEM FORWARDING ENHANCEMENT 360233-07 1043 PRIMARY RATE INTERFACE SOFTWARE 360233-04 1044 M/MS ENGINEERED NET/DATA DATABASE SWOODGOD-MN3 1045 CUSTOM ENGARING FOR M/MS DATABS SW009600-MNC 1046 ATTENDANT CONSOLE QUICK REF GUIDE D110-042-004 6 214 1047 SINGLE LINE TEL QUICK REF GUIDE 0110-045-004 á. 1048 DIGITAL TELEPHONE QUICK REF GUIDE D110-051-004 53 1049 DATA INTERFC UNIT QUICK REF GUIDE D110-049-004 81 2 1050 DATA TERM ADAPTER QUICK REF GUIDE D110-053-004 1051 36-PORT TELECONFERENCING SYSTEM TEMPO MB TEMPO MB 4P 1052 04-PORT TEMF SYSTEM EXPANSION CO 5 6 5 95 5 1053 SINGLE LINE TELEPHONES PREM 2500 24 1054 SLT SPEAKERPHONE UNIT KX-T1020 5 1055 SLT AMPLIFIED HANDSET W-6 GT1/TS1/MS-4 1056 MANAGEMENT SYSTEM W/4 CRT PS-48V 1057 POWER SUPPLY SUBSYSTEM 1058 UNIVERSAL PS BATT/BACKUP SUBSYST UPS-48V Not Applicable 1059 IMITIAL SPARE PARTS KIT 96 96 96 96 56 Not Applicable 1060 OPPM - HOURLY CHARGE 10 10 1061 VOICE STATION LINES/DID EQUIPPED Not Applicable

CI

FILE NAME: NRCF

SOLICITATION: RS-IRM-90-215 DATE 05/06 SCHEDULE B - ITEMIZED PRICE LIST - LTOP-24, INSTALLATION AND MAINTENANCE COLUMN A - REGION/LOCATION - REGION V: Wa'nut Creek CA LOT: 4 TIME 10:31 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* 我们是我们的,我们们的,这个时间的,我们就会会会会会的,我们就是这个人的,我们就会会会的,我们就会会会会会会会会。 \*\*\*\*\* UNIT PRICES \*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*QUANTITIES\*\*\*\*\*\*\*\*\* K N O Q R S T e 1 CLIN LTOP-24 INSTALL HO/MNT 1/CO 13 25 37 PART NUMBER NO. ITEM DESCRIPTION/NOMENCLATURE ANALOG MASTER PACK-R4 360366-01 1001 DIGITAL MASTER PACK-R4 300365-02 10028 1003 BASIC LTU PACK FOR LTUP XL/K 360341-01 1004 BASIC LTU PACK FOR THE LTUP MS 360340-01 1005 MESS WAITING RINGER GENERATOR PK 360349-01 360347-01 1006 ISON PRI TRUNK PACK 1007 PERIPHERAL BUS CTL CARTO 4-DMA E168-3008-R540 1008 SWITCHING NETWORK CARD B E168-3002-R010 £168-3005-R350 1009 CLOCK DISRIBUTOR CARD E168-3003-R310 1010 SINGLE LINE TELEPHONE CARD 15 1011 OPS LINE CARD £168-3008-R250 1012 DIGITAL LINE CARD - 16 29+0 E168-3009-R150 1013 CO BOTHWAY TRUNK CARD A (600 OHM) £168-3009-R170 E168-3009-R770 1014 DNE WAY DID TRUNK CARD 1015 ISON/PR: ATT TRUNKS W/SYNC ADP/CD £168-3006-R950 E168-3001-R460 DIS MIXER TRUIT CARD E168-3001-R470 1017 CONFERENCE TRUNK CARD 1018 POWER F ILURE TRANSFER CARD E168-3003-R270 1019 NIGHT BELL/CODE CALL 1/F CARD E168-3003-R280 1020 CHARACTER TRUNK CARD E168-3007-R430 £168-3003-R560 1021 MODEM POOL CONTROLLER CARD E168-3009-R740 1022 ATTENDANT LINE CARD 8078-1074-8401 1023 HAC-ATTENDANT CONSOLE 1024 BUSY LAMP FIELD/DIRECT STA SEL BO78-1075-8001 81 F128-0337-8101 1025 STAND-ALONE DIU TO 19.2KBPS 14 F108-0705-K001 1028 DATA TERMINAL ADAPTER 10 1027 HAC DTIODA 148 W/O SPEAKERPHONE F108-0705-8011 1028 HAC DT200B 148 DISPLAY SPERPHONE F108-0707-B111 43 1029 EMML TERMINAL (IBM PC BASED) 301977-04 1030 P/TRONIC E-SUPRA 1-EAR OVER/HEAD 769084-03 1031 CLOCK SYNC CABLE (ISON/PRIST1) £660-2506-1983#1 (Reserved 1032 (Reserved) (Reserved 1033 (Reserved) E660-2506-1662#8 1034 E&M TRUNK/PFT CABLE 1035 ATT POWER (EG CONNECTION) £660-2506-1662#9 1036 CABLE MDC-MODEM CABLE A 1037 R4 MCPR S/W RTU 1038 R4 MCPR S/W RTU CONFIG E860-2508-1760#5 360114-04 360231-04 1039 R4 EMML SOFTWARE 301976-04 360061-04 1040 R4 TP/TV SOFTWARE 1041 R4 MS/S FLOPPY DISK BOOT SOFTWARE 360192-04 1042 SYSTEM FORWARDING ENHANCEMENT 360233-07 1043 PRIMARY RATE INTERFACE SOFTWARE 360233-04 1044 M/MS ENGINEERED NET/DATA DATABASE SVOOGGOO-MN3 1045 CUSTOM ENGNRING FOR M/MS DATABS SW009600-MM: 1046 ATTENDANT CONSOLE QUICK REF GUIDE D110-042-004 6 214 1047 SINGLE LINE TEL QUICK REF GUIDE 0110-045-004 53 1048 DIGITAL TELEPHONE QUICK REF GUIDE D110-051-004 81 1049 DATA INTERFC UNIT QUICK REF GUIDE D110-049-004 1050 DATA TERM ADAPTER QUICK REF GUIDE D110-053-004 1051 38-PORT TELECONFERENCING SYSTEM TEMPO ME 1052 C4-PORT TONE SYSTEM EXPANSION CO TEMPO MB 4P 5 5 6 5 5 95 PREM 2500 1053 SINGLE LINE TELEPHONES 2 24 KX-T1020 1054 SLT SPEAKERPHONE UNIT 5 1055 SLT AMPLIFIED HAMOSET W-8 GT1/T51/MS-4 1056 MANAGEMENT SYSTEM W/4 CRT 1057 POWER SUPPLY SUBSYSTEM PS-48V 1058 UNIVERSAL PS BATT/BACKUP SUBSYST UPS-48V Not Applicable 1059 INITIAL SPARE PARTS KIT 98 96 96 96 56 Not Applicable 1060 OPPM - HOURLY CHARGE 10 8 9 1061 VOICE STATION LINES/DID EQUIPPED Not Applicable



FILE NAME: NRCF SOLICITATION: RS-IRM-90-215 SCHEDULE 8 - ITEMIZED PRICE LIST - LTOP-36, INSTALLATION AND MAINTENANCE DATE 05/06 COLUMN A - REGION/LOCATION = REGION V: Walnut Creek CA LOT: 4 TIME 10:31 K N O Q R S T E 1 CLIN NO. ITEM DESCRIPTION/NOMENCLATURE PART NUMBER LTDP-36 INSTALL MO/MNT 1/CO 13 25 37 49 +YRS 1001 ANALOG MASTER PACK-R4 360365-02 1002 DIGITAL MASTER PACK-R4 360365-02 1003 BASTC LTU PACK FOR LTUP //M 360341-01 1004 BASTC LTU PACK FOR LTUP MS 360340-01 1005 MESG WAITING RINGER GENERATOR PK 360349-01 360347-01 1006 ISDN PRI TRUNK PACK 1007 PERIPHERAL BUS CTL CARTO 4-DMA E168-3008-R540 1008 SWITCHING NETWORK CARD B E168-3002-R010 1009 CLOCK DISRIBUTOR CARD E158-3005-R350 1010 SINGLE LINE TELEPHONE CARD E168-3003-R310 £168-3008-R250 1011 OPS LINE CARD 1012 DIGITAL LINE CARD - 16 28+D E168-3009-R150 1013 CO BOTHWAY TRUNK CARD A (600 DHM) E168-3009-R17C 1014 ONE WAY DID TRUNK CARD £168-3009-R770 1015 ISDN/PRI&T: TRUNKS W/SYNC ADP/CD E168-3006-R950 1017 CONFERENCE TRUNK CARD E168-3001-R460 E168-3001-8470 1017 CONFERENCE TRANK CARD E168-3001-R470 018 POWER FAIL RE TRANSFER CARD E168-3003-R270 1019 NIGHT BELL/CODE CALL I/F CARD E168-3003-R280 E168-3007-R430 E168-3003-R560 1020 CHARACTER TRUNK CARD 1021 MODEM POOL CONTROLLER CARD 1022 ATTENDANT LINE CARD E168-3009-R740 8075-1074-8401 1023 HAC-ATTENDANT CONSOLE 1024 BUSY LAMP FIELD/DIRECT STA SEL B078-1075-BC01 1025 STAND-ALONE DIU TO 19.2KBPS 14 F108-0705-K001 1026 DATA TERMINAL ADAPTER 1027 HAC DT100A 148 W/O SPEAKERPHONE F108-0705-8011 10 1028 HAC DT2008 148 DISPLAY SPEAPHONE F108-0707-8111 43 1029 EMML TERMINAL (IBM PC BASED) 301977-04 1030 P/TRONIC E-SUPRA 1-EAR OVER/HEAD 769084-03 1031 CLOCK SYNC CABLE (ISDN/PRIATI) E660-2506-1983#1 1032 (Reserved) (Reserved) (Reserved 1033 (Reserved) 1034 ELM TRUNK/PFT CABLE E550-2506-1662#8 1035 ATT POWER (EG CONNECTION) 1036 CABLE, MOC-MODEM CABLE A E660-2506-T662#9 £660-2506-1760#5 1036 CABLE. ADV RTU-1037 R4 MCPR S/W RTU-1038 R4 MCPR S/W RTU-CONFIG 350114-04 350231-04 301976-04 1039 R4 EMML SOFTWARE 350061-04 1040 RA TP/TY SOFTWARE 1041 R4 MS/S FLOPPY DISK BOOT SOFTWARE 360192-04 360233-07 1042 SYSTEM FORWARDING ENHANCEMENT 1043 PRIMARY RATE INTERFACE SUFTWARE 360233-04 1044 M/MS ENGINEERED NET/DATA DATABASE SWOO9600-MN3 1045 CUSTOM ENGNRING FOR M/MS DATABS SW009800-MNC 1046 ATTENDANT CONSOLE QUICK REF GUIDE D110-042-004 214 1047 SINGLE LINE TEL QUICK REF GUIDE 0110-045-004 1048 DIGITAL TELEPHONE QUICK REF GUIDE D110-051-004 1049 DATA INTERFC UNIT QUICK REF GUIDE D110-049-004 53 81 1050 DATA TERM ADAPTER QUICK REF GUIDE D110-053-004 14 2 1051 36-PORT TELECONFERENCING SYSTEM TEMPO MB 1052 04-PORT TENE SYSTEM EXPANSION CD TEMPO MB 4P 6 5 5 5 1053 SINGLE LINE TELEPHONES PREM 2500 24 KX-T1020 1054 SLT SPEAKERPHONE UNIT W-6 1055 SLT AMPLIFIED HANDSET GT1/TS1/HS-4 1056 MANAGEMENT SYSTEM W/4 CRT 1057 POWER SUPPLY SUBSYSTEM 1058 UNIVERSAL PS BATT/BACKUP SUBSYST UPS-48V Not Applicable 1059 INITIAL SPARE PARTS KIT 96 96 96 96 1060 OPPM - HOURLY CHARGE Not Applicable 10 10 1061 VOICE STATION LINES/DID EQUIPPED Not Applicable



SOLICITATION: RS-IRM-90-215 FILE NAME: NRCF SCHEDULE B - ITEMIZED PRICE LIST - LTOP-48, INSTALLATION AND MAINTENANCE DATE 05/06 CCLUMN A - REGION/LOCATION \* REGION V: Walnut Creek CA LOT: 4 TIME 10:32 CLIN C E G 1 K N O Q R S T NO. ITEM DESCRIPTION/NOMENCLATURE PART NUMBER LTOP-48 INSTALL MO/MNT 1/CO 13 25 37 49 +YR5 ANALOG MASTER PACK-R4 360366-01 360365-02 1003 BASIC LTU PACK FOR LTUP XL/M 360341-01 1004 BASIC LTU PACK FOR TUP MS 360340-01 1005 MESS WAITING RINGER GENERATOR PK 350349-01 1006 ISON PRI TRUNK PACK 360347-01 1007 PERIPHERAL BUS CTL CARTO 4-DMA E168-3008-R540 1008 SWITCHING NETWORK CARD B £168-3002-R010 E188-3005-R350 1009 CLOCK DISRIBUTOR CARD 1010 SINGLE LINE TELEPHONE CARD £168-3003-R310 E168-3008-R250 1011 CPS LINE CARD 1012 DIGITAL LINE CARD - 16 28+D E168-3009-R150 1013 CO BOTHWAY TRUNK CARD A (600 OHM) E168-3009-R170 £168-3009-R770 1014 CHE WAY DID TRUNK CARD 1015 ISON/PRIATI TRUNKS W/SYNC ADP/CD E168-3006-R950 E168-3001-R460 1016 MIXER TRUNK CARD 1017 CONFERENCE TRUNK CALL £168-3001-R470 1018 FINER FAILURE TR/ SFER CARD E168-3003-R270 1019 NIGHT BELL/CODE CALL 1/F CARD E168-3003-R280 £168-3007-R430 1020 CHARACTER TRUNK CARD 1021 MODEM POOL CONTROLLER CARD £168-3003-R560 1022 ATTENDANT LINE CARD E168-3009-R740 1023 MAC-ATTENDANT CONSOLE 8078-1074-8401 1024 BUSY LAMP FIELD/DIRECT STA SEL B078-1075-8001 1025 STAND-ALONE DIN TO 19 2KBPS 81 F128-0337-8101 F108-0705-K001 14 1026 DATA TERMINAL ADAPTER 1027 HAC DT100A 148 W/O SPEAKERPHONE 10 F108-0705-8011 1028 HAC DT2008 148 DISPLAY SPERPHONE F108-0707-8111 43 301977-04 1029 EMML TERMINAL (IBM PC BASED) 1030 P/TRONIC E-SUPRA 1-EAR OVER/HEAD 769084-03 1031 CLOCK SYNC CABLE (ISON/PRI&T1) E660-2506-1983#1 (Reserved) 1032 (Reserved) 1033 (Reserved) (Reserved) £660-2506-1662#8 1034 ELM TRUNK/PFT CABLE 1035 ATT POWER (EG CONNECTION) E660-2506-7662#9 1036 CABLE: MOC-MODEM CABLE A 1037 R4 MCPR S/W RTU-1038 R4 MCPR S/W RTU-CONFIG E660-2506-1780#5 350114-04 360231-04 1039 R4 EMML SOFTWARE 301976-04 1040 R4 TP/TV SOFTWARE 360051-04 1041 R4 MS/S FLOPPY DISK BOOT SOFTWARE 360192-04 1042 SYSTEM FORWARDING ENHANCEMENT 360233-07 1043 PRIMARY RATE INTERFACE SOFTWARE 360233-04 1044 M/MS ENGINEERED NET/DATA DATABASE SW009600-MN3 1045 CUSTOM ENGNRING FOR M/MS DATABS SW009600-MMC 1046 ATTENDANT CONSOLE QUICK REF GUIDE DI10-042-004 5 5 6 1047 SINGLE LINE TEL QUICK REF GUIDE 214 5 D110-045-004 1048 DIGITAL TELEPHONE QUICK REF GUIDE DI10-051-004 53 1049 DATA INTERFC UNIT QUICK REF GUIDE DI10-049-004 81 1050 DATA TERM ADAPTER QUICK REF GUIDE D110-053-004 1051 36-PORT TELECONFERENCING SYSTEM TEMPO MB 1052 04-PORT TONE SYSTEM EXPANSION CD TEMPO MB 4P 5 5 6 PREM 2500 95 5 1053 SINGLE LINE TELEPHONES 24 KX-T1020 1054 SLT SPEAKERPHONE UNIT 5 W-6 1055 SLT AMPLIFIED HANDSET 1056 MANAGEMENT SYSTEM W/4 CRT GT1/TS1/MS-4 PS-48V 1057 POWER SUPPLY SUBSYSTEM 1058 UNIVERSAL PS BATT/BACKUP SUBSYST UPS-48V 1059 INITIAL SPARE PARTS KIT Not Applicable 96 56 96 96 96 1060 OPPM - HOURLY CHARGE Not Applicable 10 10 8 1061 VOICE STATION LINES/DID EQUIPPED Not Applicable

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Burning	HERSEN.
Bara	6
SHEET	

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 \*\*\*\*\*\* UNIT PRICES \*\*\*\*\* \*\*\*\*\*\*\*\*QUANTITIES\*\*\*\*\*\*\* G I K 7 0 Q R S T LTOP-60 INSTALL MO/MNT 1/CO 13 25 37 49 +YR5 CLIN NO. ITEM DESCRIPTION/NOMENCLATURE PART NUMBER ANALOG MASTER PACK-R4 1007 DIGITAL MASTER PACK-R4 360366-01 350365-02 1003 BASIC LTU PACK FOR LTUP XL/M 360341-01 1004 BASIC LTU PACK FOR LTUP MS 360340-01 1005 MESG WAITING RINGER GENERATOR PK 360349-01 1006 ISDN PRI TRUNK PACK 360347-01 1007 PERIPHERAL BUS CTL CARTO 4-DMA £168-3008-R540 1008 SWITCHING NETWORK CARD B 1009 CLOCK DISRIBUTOR CARD £168-3002-R010 E168-3005-R350 1010 SINGLE LINE TELEPHONE CARD £158-3003-R310 1011 OPS LINE CARD £168-3008-R250 1012 DIGITAL LINE CARD - 16 28+0 E168-3009-R150 1013 CO BOTHWAY TRUNK CARD A (600 CHM) £168-3009-R170 £168-3009-R770 1014 ONE WAY DID TRUNK CARD 1015 ISDN/PRIATI TRUNKS W/SYNC ADP/CD E168-3006-R950 016 MIXER TRUNK CARD £168-3001-R460 1017 CONFERENCE TRUNK CARD £168-3001-R470 1018 POWER FAILURE TRANSFI : CARD E168-3003-R270 E168-3003-R280 1019 NIGHT BELL/CODE CALL 1/F CARD 1020 CHARACTER TRUNK CARD £168-3007-R430 1021 MODEM POOL CONTROLLER CARD £168-3003-R560 1022 ATTENDANT LINE CARD E168-3009-R740 1023 HAC-ATTENDANT CONSOLE 8078-1074-8401 1024 BUSY LAMP FIELD/DIRECT STA SEL BO78-1075-8001 IC25 STAND-ALONE DIU TO 19.2KBPS F128-0337-81C1 81-1026 DATA TERMINAL ADAPTER F108-0705-K00: 14 :027 HAC DT100A 148 W/O SPEAKERPHONE F108-0705-801: 10 1028 HAC DT2008 148 DISPLAY SPERPHONE F108-0707-811: 43 1029 EMML TERMINAL (18M PC BASED) 301977-04 1030 P/TRONIC E-SUPRA 1-EAR OVER/HEAD 769084-03 1031 CLOCK SYNC CABLE (ISON/PRI&T1) E660-2506-1983/1 1032 (Reserved) (Reserved) 1033 (Reserved) (Reserved) 1034 E&M TRUNK/PFT CABLE £660-2506-7662#8 1035 ATT POWER (EG CONNECTION) £660-2506-1662#9 1036 CABLE: MDC-MODEM CABLE A 1037 R4 MCPR S/W RTU 1038 R4 MCPR S/W RTU £660-2506-7760#5 360114-04 360231-04 1039 R4 EMML SOFTWARE 301976-04 1040 R4 TP/TV SOFTWARE 360061-04 1041 R4 MS/S FLOPPY DISK BOOT SOFTWARE 360192-04 1042 SYSTEM FORWARDING ENHANCEMENT 360233-07 1043 PRIMARY RATE INTERFACE SOFTWARE 360233-04 1044 M/MS ENGINEERED NET/DATA DATABASE SWOOGGO-MM3 1045 CUSTOM ENGNRING FOR M/MS DATABS SW009600-MNC 1046 ATTENDANT CONSOLE QUICK REF GUIDE D110-042-004 1047 SINGLE LINE TEL QUICK REF GUIDE 0110-045-004 214 5 5 6 1048 DIGITAL TELEPHONE QUICK REF GUIDE 0110-051-004 53 1049 DATA INTERFC UNIT QUICK REF GUIDE DI10-049-004 81 1050 DATA TERM ADAPTER QUICK REF GUIDE D110-053-004 1051 36-PORT TELECONFERENCING SYSTEM TEMPO MB 1052 04-PORT TONE SYSTEM EXPANSION CO TEMPO MB 4P 5 6 1053 SINGLE LINE TELEPHONES PREM 2500 KX-T1020 1054 SLT SPEAKERPHONE UNIT 1055 SLT AMPLIFIED HANDSET W-6 GTI/TSI/MS-4 1056 MANAGEMENT SYSTEM W/4 CRT 1057 POWER SUPPLY SUBSYSTEM 1058 UNIVERSAL PS BATT/BACKUP SUBSYST UPS-48V 1059 INITIAL SPARE PARTS KIT Not Applicable 56 96 96 96 96 1060 OPPM - HOURLY CHARGE Not Applicable 1061 VOICE STATION LINES/DID EQUIPPED Not Applicable 8 10



SCHEDULE C -	RS-1RM-90-215 INTEREST RATES AND GION/LOCATION *		LOCATION	LOTS: 1-4	FILE NAME: NRCF DATE 05/06 TIME 10:32
5	0	F	н*	J* ,J+H}	L*
TERM (IN MONTHS)	MARGIN	TREASURY CONSTANT MATURITY TERM	TREASURY CONSTANT MATURITY RATE	LTCP INTEREST RATE	LTOP INTEREST FACTOR
1709-24	8.00%	Z-YEAR	6.91%		
L70P+36	6.00%	3-YEAR	7.17%		
1102-48	8.00%	5-YEAR	7.50%		
LTCP-60	8.00%	5-YEAR	7.66%		

<sup>\*</sup> Subject to change, based upon the Federal Reserve Statistical Release 6.13 in effect.

TERMINATION LIABILITY SCHEDULE

(See next page.)



TERMINATION LIABILITY SCHEDULE (Expressed as % of Purchase Price)

For LTOP plans, canceled at end of month

MD LTD7-24 LTD7-36 LTDP-48 LTDP-60





	SCHEDULE D	ON: RS-1RM-90-215 - TARIFFED CHARGES REGION/LOCATION =	REGION	v: W	alnut Creek	CA	LOT:	4			FILE	DATE	NRCF 05/06 12:47
A CLIN	ITEM DES	C CRIPTION/HOMENCLATURE	(1	Y RIFF EC) RENCE	E NONRECUR UNIT PRICE	G RECUR UNIT PRICE			100.000	N QTY 25- 60	0 PER 37- 60	Q 1005 49- 60	
4002 4003 4004 4005 4006 4007 4008 4009	DID CO FTS2000 FX OUT WATTS OUT WATTS	Line Line Station/20 Stations Access Line Line Line Line Hours 0-5 Hours 5.1-15 Hours 15.1-30 Hours 30.1-XXX	PACIFIC PACIFIC PACIFIC PACIFIC PACIFIC PACIFIC PACIFIC PACIFIC PACIFIC PACIFIC	BELL BELL BELL BELL BELL BELL BELL	Unknown			34 13 8 16 4 3 3				42 16 10 19 5 4	
4012		Setup Fee Per Call Line Mileage Fee	PACIFIC PACIFIC PACIFIC PACIFIC	BELL	Unknown	Unknown Unknown		119				128	

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.

<sup>\*</sup> RFP specifies "EQUIPPED CAPACITY"; we assumed at cutover.

\*\* RFP specifies "PROJECTED MAXIMUM CAPACITY"; we assumed YEAR 5.



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

LOTS: 1-4

FILE NAME: NRCF DATE 06/19 TIME 11:41

CLIM ITEM DESCRIPTION/NOMENCLATURE

5001 CABLE REMOVAL. PER JOB 5002 DE-INSTALL AND PKG EXIST SYST, JOB

SCO3 EQUIPMENT USER TRAINING, PER STUDENT SCO4 CONSOLE TRAINING, PER STUDENT SCO5 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

PRICE





Government Telecommunications Inc. 7/10/91

Schedule F
Equipment Room Requirements

		Insert total Required for Period Beginning with month:								
Site	Item Description	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				

Totals for Power = Totals for Space =

Total Cost =

BAFO#2 FILE NAC U.S. NUCLEAR REGULATORY COMMISSION SOLICITATION: RS-IRM-92-344 **DATE 11/20** SCHEDULE B - ITEMIZED PRICE LIST - LTOP-24, INSTALLATION AND MAINTENANCE TIME 15:05 REGION V: Walnut Creek CA UNIT PRICE QUANTITES E C NOO R 8 MODEL OR 0 1 K ITEM DESCRIPTION CLIN INSTALL MO/MINT YA-1 YA-2 YA-3 YA-4 YA-5 LTOP-24 PART NUMBER OR NOMENCLATURE NO. SEE SOL LINE SET W/C MW 260100MOE 20M 110 6 6 301976-06 1002 RS EMME SOFTWARE 1003 RS IPTY SOFTWARE 360061-05 1004 RS MICER SAW RTUMBERS MINE CONFIG 360114-06 1005 RS MS/S FLOPPY DISK BOOT SEWE 380192-05 15 360193-06 RE PREFORMATTED BLANK DISK 1007 RS MCPR S.W. RTUMBRIMM CONFIG 360231-05 1008 RS USER DOCUMENTATION PKG 1009 BASIC CAB PACK SINGLE EXTEXUM-RS 360435-01 360439-01 1010 BASK LTU PK FOR LTURES LM RS 360441-01 ANALOG MASTER PACK RS 350443-61 1012 BASK CAB PACK EXTEMS AS 1013 BUT TO ANALY OF MASTER PACK RS 1014 BASK LTU FK I IN TUP MS RS 1015 SYST FWDING ENHANCEMENT RS 350449-01 360447-01 350450-01 3 360454-01 1018 EXPANDED PEED DIALING CODES RE 380464-10 380464-12 1018 PITRONIC E SUPRA 1-EAR OVERHEAD 769084-03 0110-042-005 1019 ATTEND CONSOLE QUICK REF GUIDE 229 1020 SINGLE LINE TEL QUICK REF GUIDE D110-045-005 1021 DATA INTEC UNIT QUICK REF GUIDE 105 0110-049-005 0110-051-006 45 4 0110-053-006 1023 DATA TERM ADPTR QUICK REF GUIDS 1024 LTF CABLE A-F27601./M E008-0276-E101 1025 ALARM SENDER FOSB-1356-8101 E078-1074-8401 2 2 E078-1075-8001 1027 BUSY LAMP FLD/D/BECT STA SELEC E168-3001-R460 1028 MIXER TRUNK CARD E168-3001-R990 3 1029 4W FAM TE TRUNK CARD 1030 NIGHT BELL/CODE CALL INTEC CO E168-3003-R290 2 1031 SINGLE LINE TELEPHONE CARD E158-3003-R310 1 E168-3003-R530 RINGER GENERATOR CARD E168-3003-R560 1033 MODEM POOL CONTROLLER CARD E168-3007-R430 1034 CHARACTER THUNK CARD E158-3008-R250 15 1035 OPS LINE CARD E168-3006-R540 1036 PERIPH BUS CTL CARD 4-DMA 11 1037 DIGITAL LINE CARD - 16 28+D 1038 CO LS/GS TK CARD A (Std 800 OHM) E168-3009-R150 E168-3009-R170 1039 JONE WAY DID THUNK CARE E158-3009-8770 1 E168-3015-R590 1040 SWITCHING NETWORK CARD B RS £158-3015-R830 1041 ATTENDANT LINE CARD RS 1042 POWER FAILURE TRANSFER CAND E168-9900-R000 1 E210-0042-T512/USA 1043 CABLE DUCT E560-2506-T662810 1044 ATT POWER IEH CONNECTIONI 1045 E&M TRUNK/PFT CABLE E660-2506-T662#8 5 1 1046 ATT POWER JEG CONNECTION E660-2506-T662#9 E660-2506-1760#5 1047 CABLE MOC-MODEM CABLE A F108-0705-K001 1048 DATA TERMINAL ADAPTER F108-0706-8111 1049 HAC DT1018 288 SPEAKERPHONE F128-0337-8101 STAND-ALONE DIU TO 19 2 KBPS 105 1051 MS/M ENGRO NET/DATA D/8 SW 5W009600 MH1 SW009600 MINC 1 1052 CUST ENGRG FOR MIMS DATABASE 1 GTEMML 1053 EMM TERMINAL (IBM PC BASED) 1064 36-PORT TELECONFERENCING SYSTEM TEMPO MB 28 1065 SLT SPEAKERPHONE UNIT KX-T1020 6 W-6 1058 SLT AMPLIFIED HANDSET GTVTSVMS-4 1067 MANAGEMENT SYSTEM W/4 CRT 1 POWER SUPPLY SUBSYSTEM PS-48V 1059 JUNIVERSAL PS BATT/BACKUP SUBSYST UPS-48V Not Applicable 1060 INITIAL SPARE PARTS KIT 56 96 98 96 1061 OPPM - HOURLY CHARGE Not Applicable 10 10 Not Applicable (Reserved) 1063 (Basenced)



BAFOS2 FILE NAC U.S. MUCLEAR REGULATORY COMMISSION SOLICITATION: RS JRM-82-344 **DATE 11/20** SCHEDULE B - ITEMIZED PRICE LIST - LTOP-36, INSTALLATION AND MAINTENANCE TIME 15:06 LOT REGION V: Walnut Creek UNIT PRICE C 0 K N a A 5 3 MODEL OR ITEM DESCRIPTION CLIN YR-5 YR-1 YR-2 YR-3 YR-4 MO/MINT PART NUMBER LTOP-36 BISTALL OR NOMENCLATURE NO. 110 260100MOE 20M TENTE SET WO MW 301976-06 1002 RS EMML SOFTWARE 360061-05 1003 RS TP/TY SOFTWARE 1 1004 RS MCPR 5/W RTUDI BERN CONFIG 360114-06 360192-06 1006 R5 MS/S FLOPPY DISK BOOT SEWE 15 360193-06 360231-05 1007 IRS MICHE SAY BY BY CONFIG 1008 RS USER DOCUMENTATION PKG 360435-01 1009 BASIC CAB PACKY BURNETE XLIM RS 360439-01 1010 BASIC LTU PK FOR LTURAL CHARS 350441-01 360443-01 MANALOG MASTER PACK-RE 1012 BASIC CAB PACK PROPERTY MS-RE 350449-01 1013 MALOG PASTER PACK-RE 360447-0 3 1014 BASIC LTU PK FOR THE WALTUP MS-RS 360450-01 350454-07 1015 SYST FYDING ENHANCEMENT RE 1016 EXPANDED SPEEL DIALING CODES RS 350454-10 350454-12 1018 PITRONIC E-SUPRA 1-EAR OVER/HEAD 769084-03 1019 ATTEND CONSOLE QUICK REF GUIDE D110-042-005 229 ĝ. 6 8 1020 SINGLE LINE TEL QUICK REF QUIDE D110-045-006 105 D110-049-005 1021 DATA INTEC UNIT QUICK REF GUIDE 2 2 45 1022 DIG TELEPHONE QUICK REF GUIDE D110-051-006 4 D110-053-005 1023 DATA TERM ADPTR QUICK REF QUIDE E008-0276-E101 1024 LTF CABLE A-F27601 /M E068-1356-8101 1025 ALARM SENDER E078 1074 B401 HAC ATTENDANT CONSOLE E078-1075-8001 1027 BUSY LAMP FLD/DIRECT STA SELEC £168-3001-R450 1028 MIXER TRUNK CARD £168-3001-R990 1029 4W EAM THE TRUNK CARD 1030 NIGHT BELLICODE CALL INTEC CO E158-3003-R280 1031 SINGLE LINE TELEPHONE CARD E168-3003-R310 E168-3003-R530 RINGER GENERATOR CARD E168-3003-R560 1033 MODEM POOL CONTROLLER CARD 15 £168-3007-R430 1034 CHARACTER TRUNK CARD £168-3008-R250 1035 OPS LINE CARD 1036 PERIPH BUS CTL CARD 4-DMA £168 3008-R540 E168-3009-R15 1037 DIGITAL LINE CARD - 18 28 + D 1038 CO LS/GS TK CARD A (Std 600 OHM) E158-3009-R170 E168-3009-R770 1039 ONE WAY DID TRUNK CARD £168-3015-R590 1040 SWITCHING NETWORK CARD B RE E168-3015-R830 1041 ATTENDANT LINE CARD RE E168-9900-R000 1042 POWER FAILURE TRANSFER CARD 1 E210-0042-T512#USA 1043 CABLE DUCT £860-2506-T662#10 1044 ATT POWER IEH CONNECTIONL 686-2506-T66288 1045 EAM TRUNKIPET CABLE 1 E 660-2506-1662#9 1048 ATT POWER JEG CONNECTION E660-2506-1750#5 CABLE MOC MODEM CABLE A F108-0705-K001 1048 CATA TERMINAL ADAPTER F108-0706-B111 1049 HAC DT1018 288 SPEAKERPHONE 105 F128-0337-8101 1050 STAND-ALONE DE TO 19 2 KBPS 1051 MS/M ENGRO NET/DATA D/B SW SW009000 MN1 5W009600 MNC 1052 CUST ENGRG FOR M/MS DATABASE GTEMML 1053 EMML TERMINAL (IBM PC BASED) TEMPO MB 1054 38-PORT TELECONFERENCING SYSTEM 28 KX-T102Q 1065 SLT SPEAKERPHONE UNIT 0 W-6 1056 SLT AMPLEED HANDSET GTVTSVMS-4 1067 MANAGEMENT SYSTEM W/4 CRT PS-48V 1058 POWER SUPPLY SUBSYSTEM 1059 UNIVERSAL PS BATT/BACKUP SUBSYST UPS-48Y Not Applicable 1050 INITIAL SPARE PARTS KIT 56 96 96 Not Applicable 1061 OPPM - HOURLY CHARGE 10 8 10 158 Not Applicable 1062 VOICE STATION LINES/DID EQUIPPED (Reserved) 1063 [Beserved]



	SOLICITATION: RS-IRM-82-344 SCHEDULE B - ITEMIZED PRICE LIST - LTO	U.S. NUCLEAR REQULA PAR INSTALLATION A							DATE	11/
	SOMEDVIE D. HEMBED HAVE EN. 110	REGION V: Walrant C			LOT	4			TIME	15:
08200	CHICAGO STANCO CONTRACTOR CONTRAC		SHEET THE SECOND	MATRIX A VISION					對應課	
			A PROPERTY OF THE PARTY OF THE	MARKET SERVICE	CHESORIA CHE	PER SHOR	MACHINE	STREETS	MCEVES!	METALS.
				Safety and the second	NAMES AND ADDRESS OF THE OWNER, THE	-	-	-	-	-
	C			UNIT PRICE	yona. «10.000 (10.000	-	Assessment	TITIES	Author-Carrier	-
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NO.	OR NOMENCLATURE	PART NUMBER	LTOP-48	INSTALL	MOVMINT	YR-1	YR-2	YR-3	YR-4	Y
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0015	THE SET WO MW	260100MOE20M	B BESSELEN			110	- 6	6	6	-
	RS EMML SOFTWARE	301976-06				1		HARDEN HO	-	-
	RS TP/TY SOFTWARE	360061-06				and.	-	*****		-
	RS MCPR S/W RTU BERNER CONFIG	350114-06		CONTRACTOR		1		*****	-	-
005	RS MS/S FLOPPY DISK BOOT SEWE	360192-06				1 15	-	-		-
006	RS PREFORMATTED BLANK DISK	360193-06				15		*****	HERMONIA I	-
007	AS MCPR SAY ATTURNED CONFIG	360231-05	-48555000			1	The Second	-	-	-
	RE USER DOCUMENTATION PKG	360435-01	- TO A STATE OF THE PARTY OF			- market		*****	-	-
009	BASIC CAB PACK AND THE THE XUMARS	380439-01					-	LONG STORES	-	1
010	BASIC LTU PK FOR LTUP	350441-01	-0.000			Side -	-			
2119	ANALOG MASJER PACK RE	350443-01 350449-01	100000000000000000000000000000000000000			M				
017	BASIC CAB PACK MANAGER TE MS RS	360447-01	The same of the sa			1				
013	BASIC LTU PK FOR BASIC P MS-R5	360450-01				3				
015	SYST FWOING ENHANCE SENT RE	360464-07				M	-	CO. and Green Co.		
016	EXPANDED SPEED DIAL CODES RS	360464-10				1	-		-	1
017	JOINT TENANT SERVICE RS	360464-12	EX STREET			S	1			-
	PITRONIC E SUPRA 1-EAR OVERHEAD	769084-03				2 2	-	and desired the	-	1-
019	ATTEND CONSOLE QUICK REF QUIDE	D110-042-005							-	-
0.20	SINGLE LINE TEL QUICK REF QUIDE	0110-045-005			Transfer of the last	229	0	- 6	- 6	+
021	DATA INTEC UNIT QUICK REF GUIDE	D110-049-005				105	3	-	3	+
022	DIG TELEPHONE QUICK REF GUIDE	D110-051-005	_10000000000000000000000000000000000000			45		2		+
223	DATA TERM ADPTR QUICK REF GUIDE	0110-053-005				1	1	STATISTICS ATTACK	caproch	-
	LTF CABLE A F276D1 /M	E008-0276-E101	- 1			1	1			-
	ALARM SENDER	E058-1356-8101 E078-1074-8401							Sendor Holder	1
026	HAC ATTENDANT CONSOLE	E078-1075-8001	- LONGERS AND			2 2		PHARMACH AND	-	
	BUSY LAMP FLOTDIRECT STA SELEC	E168-3001-8460						-		
	AW ESM TIE TRUNK CARD	E168-3001-R990	THE REAL PROPERTY.	April 1		3				
0.30	NIGHT BELLICODE CALL INTEC CD	E168-3003-R280	TWEETEN ST						1	-
031	SINGLE LINE TELEPHONE CARD	E168-3003-R310	N ENGLISHMENT			2	1			-
032	RINGER GENERATOR CARD	E158-3003-R530				1	-	-	-	-
033	MODEM POOL CONTROLLER CARD	F158-3003-R560					-	NAME OF TAXABLE PARTY.		-
034	CHARACTER TRUNK CARD	E158-3007-R430		in v		2	-	eatron man	-	+
	OPS LINE CARD	£168-3008-8250	1 是 和解释的			15		CAN ERVINAME	-	+-
	PERIPH BUS CTL CARD 4-DMA	E168-3008-R540	- Landau Strategie				<b>ESPANSION</b> STREET	-	-	+
	DIGITAL LINE CARD . 16 78+0	£168-3009-R150				11		-	-	+-
038	CO LS/GS TK CARD A (SHE 600 OHM)	E168-3009-R170				3 2	-	-	-	+
C33	ONE WAY DID THUNK CARD	E168-3009-R770				1	1-	-	*******	1
	SWITCHING NETWORK CARD B RS	E168-3015-8590	- Personal Pro-	CALLS IN THE		1	MANUAL SHIP PARTY AND	-	-	Tom
041	ATTENDANT LINE CARD RS	E158-3015-R830				1	SECURITARISM.		1	1
	POWER FAILURE TRANSFER CARD	E168-9900-R000 E210-0042-T512#USA	1			i			-	T
243	CABLE DUCT	£ 560-2508-1662#10	The second							I
	ATT POWER (EH CONNECTION)	F660-2506-T662#8	The state of the s			5				
	ATT POWER (EG CONNECTION)	E560-2506-T66279				1			1	L
043	CABLE MOC MODEM CABLE A	[660-2506-1760#5				8	1	-	-	1
	IDATA TERMINAL ADAPTER	F108-0705-K001		CV TO LAND		4			1	+
049	HAC DT1018 298 SPEAKERPHONE	F108-0708-8111				45		1	3	-
050	STAND-ALONE DRU TO 19 2 KBPS	F128-0337-8101				106	A STREET, STORY	1	1	-
051	MS/M ENGRO NET/DATA DA SW	SW000000 MN1				1	-	-	-	+-
052	CUST ENGRG FOR MIMS DATABASE	SW009800 MNC				1		-	-	+
053	EMML TERMINAL (IBM PC BASED)	GTEMML	-1-100			1	-	-		+
054	38-PORT TELECONFERENCING SYSTEM	TEMPO MB				20	1	2	1	+-
055	ISLT SPEAKERPHONE UNIT	KX-T1020	-			28		1	distance of	1
058	ISLT AMPLIFIED HANDSET	W-6		Maria (Santa		-0	-	-	-	1
057	MANAGEMENT SYSTEM W/4 CRT	GTVTSVMS-4				1	-	-	-	1
058	POWER SUPPLY SUBSYSTEM	PS-48V				A	-	MONEY CARRE	Parrente	1
059	IUNIVERSAL PS BATTMACKUP SUBSYSI_	UPS-48Y				1	-	-	- MARKET II'S	1
	INITIAL SPARE PARTS KIT	Not Applicable	-			56		96	96	I
061	OPPM - HOURLY CHARGE	Not Applicable				156				
CWS	VOICE STATION LINES DID EQUIPPED	Not Applicable		THE STATE OF THE S		Sentent and I	- Constitution	-	The residence in	1



U.S. NUCLEAR REQULATORY COMMISSION BAFO#2 FILE NAC SOLICITATION: RE-IRM-02-344 SCHEDULE B - ITEMIZED PRICE LIST - LTOP-80, INSTALLATION AND MAINTENANCE DATE 11/20 TIME 15:06 REGION V: Walnut Creek UNIT PRICE QUANTITIES E C 0 0 MODEL OR (3 . K N A 5 STEM DESCRIPTION CLIN INSTALL MO/MINT YR-1 YR-2 YR-3 YR-4 YR-5 PART NUMBER LTOP-60 OR NOMENCLATURE NO. 110 8 6 1001 JE WE SET WO MW 260100M0E20M 301976-06 1002 RS EMML SOFTWARE 360061-05 1003 RS TP/TY SOFTWARE 1004 RS MCPR SAY RTUBER CONFIG 360114-06 380192-06 1006 RS PREFORMATTED BLANK DISK 360193-06 15 1007 RS MCPR S.W. RTV. CONFIG 360231-09 1008 RS USER DOCUMENTATION PKG 360435-01 1009 BASIC CAB PACK A STANK ATF XUM R5 1010 BASIC LTU PK FOR LTUB OF THE R5 1011 ANALOG MASTER PACK R5 360439-01 380441-01 360443-01 1012 BASIC CAB PACK 高限開發的職首下 MS-R5 360449-01 1013 PART TANALOG MASTER PACK-75 350447-01 380450-0 3 1015 SYST FWOM SENHANCEMENT PE 350454-0 EXPANDED SPEED DIALING COL S RE 1 360464-10 1017 JOINT TENANT SERVICE AS 360484-12 1018 PITRONIC E SUPRA 1 EAR OVERHEAD 769084-03 0110-042-005 1019 ATTEND CONSOLE QUICK REF GUIDE 229 1020 SINGLE LINE TEL QUICK REF QUIDE 0110-045-005 1021 DATA INTECUNIT QUICK REF GUIDE 0110-049-006 105 0110-051-006 45 1923 DATA TERM ADPTR QUICK REF GUIDE 4 0110-053-005 E008-0276-E10 1024 ILTF CABLE A F27501 /M 1025 ALARM SENDER 1026 HAC ATTENDANT CONSOLE 1027 BUSY LAMP FLO DIRECT STA SELEC FO68-1356-810 E078-1074-8401 E078-1075-8001 2 E168-3001-R460 1028 MIXER THUNK CARD £168-3001-R990 3 1029 4W EAM TE TRUNK CARD E158-3003-A280 1030 NIGHT BELL/CODE CALL INTEC CO 1031 SINGLE LINE TELEPHONE CARD £168-3003-8310 E168-3003-R530 1033 MODEM POOL CONTROLLER CARD E168-3003-R560 E168-3007-R430 1035 JOPS LINE GARD E168-3008-R250 15 1036 PERIPH BUS CTL CARD 4-DMA 1037 DIGITAL LINE CARD - 18 28 + C £168-3008-R540 11 £168-3009-R150 £168-3009-8170 1038 CO LS/GS TK CARD A ISTO 600 OHM £165-3009-8770 2 1039 ONE WAY DID TRUNK GARD 1040 SWITCHING NETWORK CARD B AS E158-3015-R590 £168-3015-R830 1041 ATTENDANT LINE CARD RE 1042 POWER FAILURE TRANSFER CARD £158-9900-R000 1 1043 CABLE DUCT E210-0042-T512#USA £550-2506-T662310 1044 ATT POWER (EH CONNECTION) 1045 EAM TRUNK/PFT CABLE E660-2506-T662#8 5 1660-2506-1662#9 1048 ATT POWER IEG CONNECTION] 1047 CABLE MOC MODEM CABLE A 1048 DATA TERMINAL ADAPTER E660-2506-1760/5 F106-0705-K001 45 F108-0705-8111 1049 HAC DT1018 288 SPEAKERPHONE F128-0337-8101 105 1050 STAND-ALONE DAL TO 19.2 KBPS 1051 IMS/M ENGRO NET/DATA D/B SW SW009600 MN1 1052 CUST ENGAG FOR M/MS DATABASE 1053 EMML TERMINAL (IBM PC BASED) 1 SW009600 MNC GTIEMML 1 TEMPO MB 1064 38 PORT TELECONFERENCING SYSTEM 28 1 KX-T1020 1055 ISLT SPEAKERPHONE UNIT 5 1058 SLT AMPLIFED HANDSET W-6 GTVTSI/MS-4 1057 MANAGEMENT SYSTEM W/4 CRT 1 PS-48V 1058 POWER SUPPLY SUBSYSTEM 1059 JUNIVERSAL PS BATT/BACKUP SUBSYST UPS-48Y Not Applicable 1000 INITIAL SPARE PARTS KIT Not Applicable 56 96 96 1061 OPPM - HOURLY CHARGE 10 8 10 1062 VOICE STATION LINES/DID EQUIPPED Not Applicable (Reserved) 1063 (Begarred)



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

FILE NAME: NRCF DATE 06/19 LOTS: 1-4 TIME 11:41

CLIN ITEM DESCRIPTION/NOMENCLATURE

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

PRICE





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

LOTS: 1-4

PRICE

FILE NAME: NRCF DATE 06/19 TIME 11:41 

CLIN ITEM DESCRIPTION/NOMENCLATURE

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

5001 CABLE REMOVAL, PER JOB SOOZ 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

PRICE





SOLICITATION: RS-IRM-90-215
SCHEDULE E - SERVICE CHARGES - OPTIONAL ITEMS
COLUMN A - REGION/LOCATION \* ANY REGION OF LOCATION

LOTS: 1-4

PRICE

FILE NAME: NRCF DATE 06/19 TIME 11:41

CLIN ITEM DESCRIPTION/NUMENCLATURE

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

5008 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
1013 SITE PREPARATION, JOB
1014 DETAILED STATION REVIEWS, EA
5015 INSTALL NEW CABLES, EA
5016 INSTALL & MAINTAIN CABLE FOR PROP STA EQUIP, EA
5017 MANUALS, MAINTENANCE & OPERATOR, SET

