

Pro-T-S[®] Client Pre-Installation Check List

Chassis Location:.....	2
Power Requirements:.....	2
Non Pro-T-S Software:.....	2
System Maintenance:.....	2
TCP/IP Network Settings:.....	3
Telephone Network Settings:.....	3
Analog Connection to the PSTN.....	3
Digital Connection to the T1 Network and/or PBX.....	3
Digital Connection to the E1 Network and/or PBX.....	4
Interviewer Station Configuration:.....	4
Connected directly to Pro-T-S via analog wiring.....	4
Connected to Pro-T-S via a PBX.....	4
Appendix A.....	5
Appendix B.....	6
Appendix C.....	7

Pro-T-S[®] Client Pre-Installation Check List

Chassis Location:

See Appendix A for Dialer and peripheral dimensions

Do you have a server rack-mount unit with sufficient space? Yes No

If the server will not be installed in a rack-mount unit, where will it be installed?
.....
.....

Is there sufficient space for cabling and positive air flow? Yes No

Will the server be installed in an air-conditioned environment? Yes No

What is the air-conditioner's BTU rating?*

**The air-conditioner's BTU rating must be higher than the combined power consumption of all machines, present and future, in the equipment room in order to sustain optimal operating temperatures. See Appendix B for Dialer and peripheral BTU ratings.*

Power Requirements:

Will you use your own UPS system, or one supplied by MSG?
Dedicated for the Pro-T-S Dialer.

Does your UPS meet the specifications of Tripp Lite's Smart1000 UPS?* Yes No
The Tripp Lite Smart1000RM2U is MSG's preferred UPS system.

*See: <http://www.tripplite.com/en/products/model.cfm?txtModelID=2657&txtSeriesID=744>

Non Pro-T-S Software:

Will Anti-virus software be installed on the server? Yes No

Can real-time scanning be disabled? Yes No
MSG recommends real-time scanning be disabled

Can any specific file types / folder exclusions be set? Yes No
MSG recommends all Pro-T-S directories and files be excluded from scans

Can full system scans be scheduled for off-hours? Yes No
MSG recommends all scans be performed off-hours

System Maintenance:

Do you have archive procedures in place? Yes No
MSG recommends regular off-hours backup and removal of Pro-T-S logs and recordings.

Will you be able to schedule regular disk defragmentation? Yes No
MSG recommends regular off-hours disk maintenance.

Pro-T-S[®] Client Pre-Installation Check List

TCP/IP Network Settings:

Do you have a dedicated IP address that can be assigned to Pro-T-S? Yes No
Pro-T-S must have a static IP address assigned for communication between Pro-T-S and the CATI server.

Will there be external remote access set up on Pro-T-S? Yes No

Will the Pro-T-S Support department be allowed remote access? Yes No

Remote access program (VNC, pcAnywhere, Other)?

Telephone Network Settings:

Analog Connection to the PSTN (POTS Telephone Lines)

Used for Remote Monitoring, toll-free dialing, and sometimes local dialing

Do you have analog telephone lines to use with Pro-T-S? Yes No

If so, how many?

Digital Connection to the T1 Network and/or PBX

As applicable to the dialer's location

Do you have existing T1 lines to use with Pro-T-S? Yes No

If so, how many?

Will the T1 lines be ISDN / PRI or Robbed Bit?

MSG recommends ISDN / PRI for its greater speed and functionality

T1 Lines should be configured as follows:

ISDN / PRI

Required: Framing / Line Coding – ESF / B8ZS

1 D-Channel, 23 B-Channels per T1 circuit

PRI Protocols: NI2, 4ESS, 5ESS, DMS

Recommended: PRI Protocol – NI2

Robbed Bit

Recommended: Framing / Line Coding – D4 / AMI

*Optional: Framing / Line Coding – ESF / B8ZS**

Required: Immediate Start with dial-tone (*Wink Start is not supported*).

Required: 24 Trunks per T1 circuit

*May require additional hardware.

Pro-T-S[®] Client Pre-Installation Check List

Digital Connection to the E1 Network and/or PBX

As applicable to the dialer's location

Do you have existing E1 lines to use with Pro-T-S? Yes No

If so, how many?

E1 Lines should be configured as follows:

ISDN / PRI

Required: Framing / Line Coding – ESF / B8ZS

1 D-Channel, 29 B-Channels per E1 circuit

Recommended: PRI Protocol – CTR4*

**Inquire for other options*

Interviewer Station Configuration:

What is your preferred range of extensions?

I.E. Extensions 1-24, 301-324, 1001 to 1024, etc.

Will interviewer stations be run through a PBX or directly into Pro-T-S?

Connected directly to Pro-T-S via analog wiring

Does each station have an analog telephone set? Yes No

Are the analog connections properly wired? Yes No

See Appendix C for DI/SI wiring diagram and specifications

Are the stations wired sequentially? Yes No

Station 1 connected to the first port-pair on the first 66-block, etc.

What is the analog wiring system's interface? (RJ21, RJ11, Other)

Connected to Pro-T-S via a PBX

Have all interviewer extensions been programmed on the PBX? Yes No

Does the PBX have sufficient bandwidth for all interviewers? Yes No

Pro-T-S requires one T1 / E1 time slot per connected interviewer

Will the PBX and Pro-T-S be connected via T1 or E1?

If E1, what is the PRI Protocol?

If T1, will the connection be ISDN / PRI or Robbed Bit?

If ISDN / PRI, what is the PRI Protocol?*

**MSG recommends ISDN / PRI for its greater speed and functionality*

Pro-T-S[®] Client Pre-Installation Check List

Appendix A

Pro-T-S Dialer and Peripheral Dimensions

Pro-T-S Server

Quantity: 1

5u, rack-mountable

Height: 9 inches, Width: 18 inches, Depth: 27 inches

Add 4 inches with cable connections

Tripp Lite Smart1000RM2U UPS

Quantity: 1

2u, rack-mountable

Height: 3 inches, Width: 18 inches, Depth: 13 inches

Adtran T1 CSU/DSU

Quantity: 1 x (Number of T1 / E1 Lines)

Height: 1.5 inches, Width: 8 inches, Depth: 5 inches

Dialogic DI/SI Card Power Supply

Quantity: 1 x (Total number of DI/SI Cards)

Height: 2.5 inches, Width: 3 inches, Depth: 6 inches

Not applicable if interviewer stations are connected via a PBX

Pro-T-S[®] Client Pre-Installation Check List

Appendix B

Pro-T-S Dialer and Peripheral BTU Ratings

The power used for the ProTS system is 115 Volts and 10 Amps.
There are two power supplies in a redundant configuration and each are 400 Watts.
The power used for each DI/SI card power supply is 115 Volts and 1.2 Amps.
The power used for each CSU is 12-48 Volts and 800mA.

Pro-T-S Server and cards

(Excluding the station cards)

BTUs/Hour: Approximately 3,500-5,000

Dialogic DI/SI Card and Power Supply

BTUs/Hour: Approximately 570 each

Adtran CSU/DSU

BTUs/Hour: Approximately 40 each

Tripp Lite Smart1000RM2U UPS System

BTUs/Hour: Approximately 2,050 fully loaded

Pro-T-S Server + 1 UPS + 1 CSU + 1 DI/SI Card

BTUs/Hour: Approximately 6,160-7,660

Pro-T-S[®] Client Pre-Installation Check List

Appendix C

Analog Station Connections

(Based on a 66-block connection.)

There are 32 stations per 66-block, 16 on each side.

The 66-Block gets extended to Pro-T-S with 2 M/M or M/F 90-Degree RJ-21 Amphenol Cables

One Cable is needed for every bank of 16 stations.

The Amphenol cables connect to a "Y" cable attached to Pro-T-S.

One "Y" cable is required for each 66-block.

Port 1 Tip	Pin 1	--	--	--	--	Pin 51	Port 17 Tip
Port 1 Ring	Pin 2	--	--	--	--	Pin 52	Port 17 Ring
Port 2 Tip	Pin 3	--	--	--	--	Pin 53	Port 18 Tip
Port 2 Ring	Pin 4	--	--	--	--	Pin 54	Port 18 Ring
Port 3 Tip	Pin 5	--	--	--	--	Pin 55	Port 19 Tip
Port 3 Ring	Pin 6	--	--	--	--	Pin 56	Port 19 Ring
Port 4 Tip	Pin 7	--	--	--	--	Pin 57	Port 20 Tip
Port 4 Ring	Pin 8	--	--	--	--	Pin 58	Port 20 Ring
Port 5 Tip	Pin 9	--	--	--	--	Pin 59	Port 21 Tip
Port 5 Ring	Pin 10	--	--	--	--	Pin 60	Port 21 Ring
Port 6 Tip	Pin 11	--	--	--	--	Pin 61	Port 22 Tip
Port 6 Ring	Pin 12	--	--	--	--	Pin 62	Port 22 Ring
Port 7 Tip	Pin 13	--	--	--	--	Pin 63	Port 23 Tip
Port 7 Ring	Pin 14	--	--	--	--	Pin 64	Port 23 Ring
Port 8 Tip	Pin 15	--	--	--	--	Pin 65	Port 24 Tip
Port 8 Ring	Pin 16	--	--	--	--	Pin 66	Port 24 Ring
Port 9 Tip	Pin 17	--	--	--	--	Pin 67	Port 25 Tip
Port 9 Ring	Pin 18	--	--	--	--	Pin 68	Port 25 Ring
Port 10 Tip	Pin 19	--	--	--	--	Pin 69	Port 26 Tip
Port 10 Ring	Pin 20	--	--	--	--	Pin 70	Port 26 Ring
Port 11 Tip	Pin 21	--	--	--	--	Pin 71	Port 27 Tip
Port 11 Ring	Pin 22	--	--	--	--	Pin 72	Port 27 Ring
Port 12 Tip	Pin 23	--	--	--	--	Pin 73	Port 28 Tip
Port 12 Ring	Pin 24	--	--	--	--	Pin 74	Port 28 Ring
Port 13 Tip	Pin 25	--	--	--	--	Pin 75	Port 29 Tip
Port 13 Ring	Pin 26	--	--	--	--	Pin 76	Port 29 Ring
Port 14 Tip	Pin 27	--	--	--	--	Pin 77	Port 30 Tip
Port 14 Ring	Pin 28	--	--	--	--	Pin 78	Port 30 Ring
Port 15 Tip	Pin 29	--	--	--	--	Pin 79	Port 31 Tip
Port 15 Ring	Pin 30	--	--	--	--	Pin 80	Port 31 Ring
Port 16 Tip	Pin 31	--	--	--	--	Pin 81	Port 32 Tip
Port 16 Ring	Pin 32	--	--	--	--	Pin 82	Port 32 Ring
Not Used	Pin 33	--	--	--	--	Pin 83	Not Used
Not Used	↓	--	--	--	--	↓	Not Used
Not Used	Pin 50	--	--	--	--	Pin 100	Not Used