46521 TL1/NMA CONVERTER EDITOR
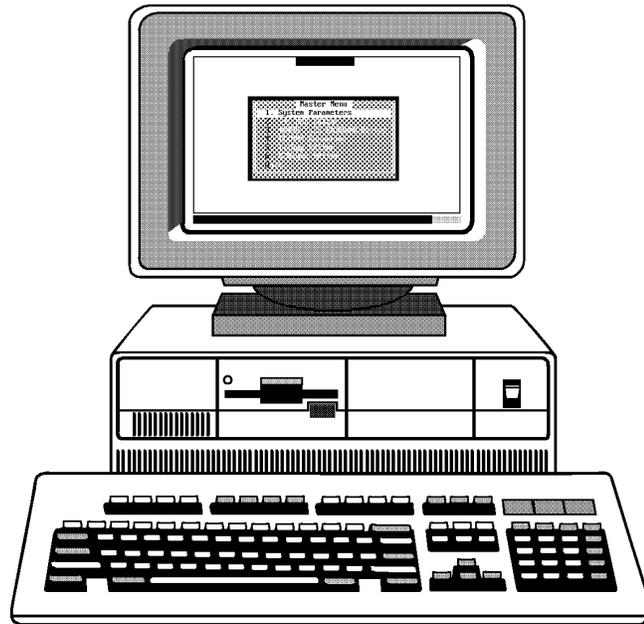
Y2K Compliant

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About this Practice:

This practice has been reissued to:

- Assign a document control number.

Reissued Practices: Updated and new content can be identified by a banner in the outside margin.

Issue date: May 1999

UPDATED

CAUTION

- Install or remove modules from the shelf only when the power is off. If you install a module in the shelf with the power on, the internal circuitry may suffer damage and the product warranty will be void.

- Remove and install circuit boards only in a static-safe environment (use antistatic wrist straps, smocks, footwear, etc.).

- Keep circuit boards in their antistatic bags when they are not in use.

- Do not ship or store circuit boards near strong electrostatic, electromagnetic, magnetic, or radioactive fields.

- For more complete information on electrostatic discharge safety precautions, refer to Bellcore™ Technical Reference # TR-NWT-000870.

ORDERING INFORMATION

NOTE: This section lists the different options available for this product. To order any of the available options, contact Dantel Inside Sales through our toll-free number, **1-800-432-6835.**

OPTION NUMBER	FEATURES
A22-46521-02	TL1-to-NMA Converter Editor

INSTALLATION

The T/Shell program can be installed on an IBM™-compatible computer equipped with the following:

♦ 640K of memory

♦ CGA/EGA/VGA color (recommended), monochrome, or LCD monitor

♦ One serial port

♦ One 3.5" diskette drive

♦ One hard disk drive

♦ DOS version 3.0 or later

To install the software program on your computer:

1. Turn on the power to the computer and monitor. Wait for the DOS (Disk Operating System) prompt to appear.

2. Insert the 46521 software disk from Dantel into the diskette drive.

NOTE: *There must be a T/Shell directory on your computer and in that directory must be the 46504 TL1 GPP Editor program, version 3.01 of higher. Refer to the last paragraph of step 4 below to check the version number.*

3. Select the hard disk drive (normally C) where the program is to be installed. At the prompt type **MD TSHELL** to make a directory called TSHELL. Press Enter.

4. At the prompt type **CD TSHELL.** Press Enter.

NOTE: *If a TSHELL directory already exists, you may not be able to copy the new T/Shell program into the same directory. Dantel no longer provides copy protection with its software. T/Shell programs that are not copy-protected must not be placed in the same directory with T/Shell programs that are copy-protected.*

CONTINUED . . .

INSTALLATION

The following T/Shell programs, and all earlier versions of these programs, are copy-protected. Current versions are not copy-protected. Do *not* copy any T/Shell program with a version later than those listed here, into a directory that has T/Shell programs with these versions or lower.

Status Monitor GPP Editor	A22-46502-XX, Version 2.0
TL1 GPP Editor	B22-46504-XX, Version 2.2
40 MAP Editor	A22-46508-XX, Version 1.3
41 MAP Editor	A22-46512-XX, Version 1.1
X.25 Sync Editor	A22-46513-XX, Version 2.1
X.25 Cascade Editor	A22-46516-XX, Version 1.0
TL1/NMA Converter Editor	A22-46521-XX, Version 1.0
X.25 Cascade Editor	A22-46522-XX, Version 1.0
Status Monitor GPP Loader	A22-46703-XX, Version 1.0

If you do not know the version number of a T/Shell program that is already installed on your computer, go to the first screen of the program. Press the F1 (Info) key to display the version number.

5. Type **COPY A:*.*** This assumes that the disk is in drive A. If it is in a different drive, type the letter of that drive.

6. Press Enter to copy all the files into your TSHELL directory from the disk in your diskette drive.

7. After the software has been copied into the TSHELL directory, store the disk in a safe place.

8. Copy the NMA file that is to be converted to your T/Shell directory.

NOTE: *The NMA file must have a DOS name with an .NMA extension.*

STANDARDS

This section describes those commands, key, and standards common to all Dantel software packages.

SOFTWARE STANDARDS

HIGHLIGHT

A highlighted option in a menu is the currently selected option. To activate an option, do either of the following:

1. Press Enter if the option is highlighted.

2. Type the letter of the hot key. A hot key is a specific key that can open an option. With a color monitor, a hot key is indicated by a yellow letter. With a monochrome monitor, a hot key is indicated by

CONTINUED . . .

STANDARDS

a capital letter. In the Master Menu, the hot keys are the option numbers. When you use the hot key method, the option does not have to be highlighted.

F3

Opens the Terminal Emulation mode in most cases.

F8

Saves the entries that you make to the database configuration. If there is more than one entry field on a line, the cursor must be in the first field in order to save the information. See rule 1 of **F10 & Esc**.

F9

Activates on-line help.

F10 & Esc

In most cases the F10 and Esc keys work interchangeably. The following rules apply to these keys:

♦ When editing a group of fields, returns the cursor to the first field. When editing the first field, they exit that window.

♦ When at a submenu, they return cursor to the previous menu.

♦ When at the Master Menu, they exit the program.

Up Arrow

The up arrow usually does one of the following two things:

♦ Selects the preceding option from a menu.

♦ Selects the previous field within an option.

Dn Arrow

The down arrow usually does one of the following two things:

♦ Selects the next option from a menu.

♦ Selects the next field within an option.

FIELD EDITING STANDARDS

The software program checks each field for the correct type of entry. If a valid entry for a certain field is alphabetic and a numeric key is pressed, the computer beeps.

STANDARDS

When editing fields, the following keys are active:

KEY	FUNCTION
Enter	Accepts the field.
Ctrl-Z	Erases the current field.
Ctrl-R	Restores the default value.
Back Arrow	Deletes the previous character.
Ctrl-H	Lists the editing keys that are available.
Left Arrow	Moves the cursor *left* within the field.
Right Arrow	Moves the cursor *right* within the field.
Ctrl-Home	Moves the cursor to the *start* of the field.
Ctrl-End	Moves the cursor to the *end* of the field.
Del	Deletes the current character.
Ins	Toggles insert mode.
Ctrl-Left Arrow	Moves the cursor *left* to the previous word.
Ctrl-Right Arrow	Moves the cursor *right* to the previous word.
Ctrl-K or Alt-K	Deletes to the end of the field.
Ctrl-D	Calls up the Default Box if there is one.

There may be times when the screen cannot display all the data. In such cases, use special keys to scroll different parts of the data onto the screen.

Usually these special keys are active only when the cursor is at the first item (far left) in a given line of data. The special keys and their functions are as follows:

KEY	FUNCTION
Up Arrow	Moves the cursor up one line. When the cursor is on the top line, the previous line scrolls into the window.
Down Arrow	Moves the cursor down one line. When the cursor is on the bottom line, the next line scrolls up into the window.
Home	Brings the first page of data into the window.
End	Brings the last page of data into the window.
PgUp	Brings the previous page of data into the window.
PgDn	Brings the next page of data into the window

DEFAULT BOX

NOTE:

The arrow keys are not active in these default boxes. Choices can be made only with the TAB or SHIFT-TAB keys.

When defining certain fields, a default box appears to aid in the selection process. The default box displays the valid selections for the current field that is being editing. Select from the default box or type the entry. To select from the default box, use the keys below, then press Enter.

KEY	FUNCTION
Tab	Moves the select bar down one selection.
Shift-Tab	Moves the select bar up one selection.

GETTING STARTED

The T/Shell software program with the 46521 TL1/NMA Converter Editor enables you to convert an NMA database into a TL1 GPP T/Shell database.

To start the T/Shell program:

1. Make sure that you are in the TSHELL directory.

2. Type **TSHELL.**

3. Press Enter. The Dantel logo appears, followed a few moments later by the Master Menu. Here is an example of the Master Menu:
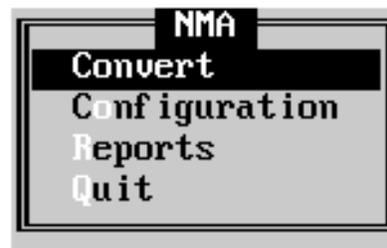
```
╔═══════════════════════════════════╗
║          Master Menu              ║
╠═══════════════════════════════════╣
║ 1. System Parameters              ║
║ 2. -41 MAP Editor                 ║
║ 3. 46095 X.25 CASCADE Editor      ║
║ 4. TL1NMA Converter               ║
║ 5. Tl1Gpp Editor                  ║
║ 6. X25sync Editor                 ║
║ Quit                              ║
╚═══════════════════════════════════╝
```

WARNING: *Always exit the program cleanly. This means that you must select the* Quit *option from the Master Menu whenever you want to leave the T/Shell program. NEVER turn off the computer without properly exiting the program. Doing so could corrupt the data files.*

4. If you wish to change the system parameters, highlight *System Parameters* and press Enter.

   The System Parameters window appears. It lets you configure the system for LCD or color mode, menu verification, and pulse or tone dialing. Refer to the **System Parameters** section on the next page. When you are finished, the Master Menu appears.

5. At the Master Menu, highlight the *TL1NMA Converter* option.

6. Press Enter. The NMA menu appears:

```
 NMA to TL1 GPP Database Converter




                    ┌─── NMA ───┐
                    │ Convert   │
                    │ Cnfiguration │
                    │ Reports   │
                    │ Quit      │
                    └───────────┘



 F1=Info, F9=Help, F10/Esc=Exit              DANTEL
```

```
╔═══ NMA ═══╗
║ Convert   ║
║ Configuration ║
║ Reports   ║
║ Quit      ║
╚═══════════╝
```

From this menu, you can fully interact with the T/Shell software. (A brief description of each option on the NMA menu appears below.)

7. Go to the ***Database Conversion*** chapter, which covers the options listed in the NMA menu.

   Convert - Converts an NMA database into a TL1 GPP T/Shell database.

   Configuration - Sets options that tell the software program what to do during the database conversion.

   Reports - Not implemented.

   **Quit** - Returns you to the T/Shell Master Menu.

   F1 Command Key - Displays the product name, version, and product number of the software.

SYSTEM PARAMETERS

After you select the System Parameters option from the Master Menu, the System Parameters window appears. It lets you configure the system for the following:

♦ LCD or color mode

♦ Menu verification

♦ Pulse or tone dialing

Here is the System Parameters window:
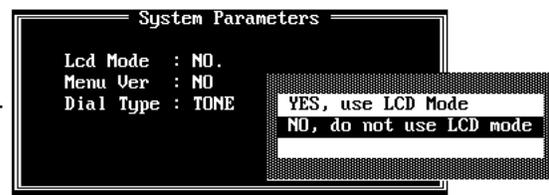
To change a parameter:

1. Use the Tab key to select the desired value.

2. Press Enter.

   If you do not want to change a value at a particular field, press Enter to advance to the next field.

   If you have changed some fields and all the remaining fields are acceptable, press F8 to save the changes.

   At the last field (Dial Type), if you change the value, press Enter to save all changes to the system parameters. If you do not change the value of the dial type, press Enter or F8 to save any other changes to the system parameters.

CONTINUED . . .

GETTING STARTED

NOTE: If you change the LCD mode, you must exit the program to DOS and restart the T/Shell program.

Here are descriptions of the System Parameters window field options:

LCD Mode - If you are using a monochrome monitor or a laptop computer with a monochrome LCD display, select *YES, use LCD mode.* If you are using a color monitor, select *NO, do not use LCD mode.* This field defaults to NO, do not use LCD mode.

Menu Ver - The Menu Ver field allows you to configure the method of opening menu options when using hot keys. A hot key is a specific key that can select a menu option. Selecting *YES, use menu verification* will force you to press Enter after you press a hot key. Selecting *NO, do not use menu verification* allows you to open an option just by pressing a hot key. This field defaults to NO, do not use menu verification.

Dial Type - If your computer is connected to a telephone line, select pulse or tone dialing. If your computer is not connected to a telephone line, it does not matter whether you select pulse or tone dialing. This field defaults to Tone Dialing.

DATABASE CONVERSION

This chapter explains how to use the Convert and Configuration options of the NMA menu.

NOTE: The Reports option is not implemented.

To do a database conversion, choose *Configuration* from the NMA menu first, then *Convert.*

DATABASE CONVERSION

1. In the NMA Menu, highlight *Configuration.*

2. Press Enter. The TL1NMA Configuration window appears:

```
══════ NMA to TL1 GPP Database Converter ══════


                    ══════Tl1NMA Configuration══════
                   Create Log File       : YES

                   41 FirmWare           :

                   Prompt For Dcp Addresses :




F9 = Help, F10/Esc = Exit                        │DANTEL│
```

3. The *Create Log File* option is not implemented and should be left in the default setting of YES. Press Enter to advance to the next field.

4. In the *41 FirmWare* field, type **Y** if the TL1 GPP is going to be polling a 46020 Multiple Alarm Processor (MAP) module with 46641-00 Firmware. This allows each DCP address to contain 64 displays. Leave the default at NO if the TL1 GPP is polling a MAP with any other firmware. Each DCP address will contain 32 displays.

5. Press Enter.

6. In the *Prompt For Dcp Addresses* field, leave the default at YES if you want to be prompted for each address as the conversion takes place. Type **N** if you wish to supply the addresses now.

7. Press Enter.

8. If the *Prompt for Dcp Addresses* field is YES, the NMA menu will appear. If the *Prompt for Dcp Addresses* field is NO, the screen will prompt you for the DCP addresses. Enter an address (a number between 1 and 255) and press Enter. Repeat entering addresses for as many as you need. Press F10 or ESC to return to the NMA menu.

NOTE: *If you do not furnish enough addresses, the program will prompt you when it needs more addresses during the conversion.*

DATABASE CONVERSION

CONVERT

1. In the NMA Menu, highlight *Convert.*

2. Press Enter. The Convert menu appears, which allows you to the following:

    ♦ Set the DOS paths where the NMA and TL1 GPP databases are located.

    ♦ Select the NMA database to convert.

    ♦ Select the TL1 GPP database where the converted data will be sent.

    ♦ Convert the NMA file to a TL1 GPP database.

Here is the NMA to TL1 GPP Database Converter screen with the Convert menu:

```
                    NMA to TL1 GPP Database Converter

           CURRENT SELECTION SUMMARY

    NMA PATH   : C:\TSHELL
    NMA FILE   : (Required)

    GPP PATH   : C:\TSHELL
    GPP SYSTEM : (Required)



                                     Convert
                                 Paths
                                 Select NMA File
                                 Select GPP System
                                 Begin Conversion
                                 Quit



F9=Help, F10/Esc=Exit                                        [DANTEL]
```
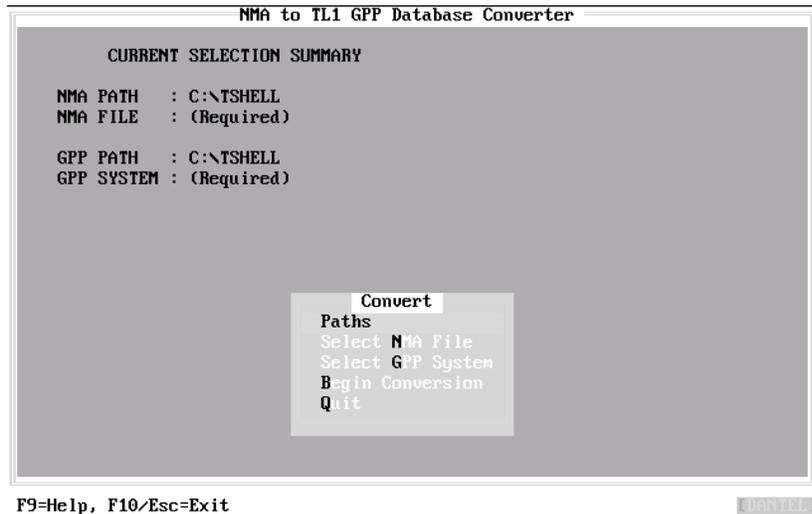
DATABASE CONVERSION

The NMA to TL1 GPP Database Converter screen shows the current DOS paths. If the paths are correct for locating the NMA and GPP databases, skip the *Paths* option.

To set the paths:

1. Highlight *Paths* in the Convert menu.

2. Press Enter. Here is the Path Selection window:

```
                        NMA to TL1 GPP Database Converter

              CURRENT SELECTION SUMMARY

        NMA                        Path selection
        NMA
                      NMA PATH  : C:\TSHELL....................
        GPP
        GPP           GPP  PATH : C:\TSHELL




                      Path where NMA files are located, IE A:, C:\NMA

                              B
                              Q


F10/Esc=Exit                                                    [DANIEL]
```

3. In the *NMA Path* field, enter the path where the NMA database is located.

   The NMA database must be in your TSHELL directory. If the NMA database is not on your computer, you will have to exit the T/Shell program, download the NMA database to your computer, and re-enter the T/Shell program before you begin the conversion process.

4. Press Enter.

5. In the *GPP Path* field, enter the path where your 46504 TL1 GPP Editor program is installed. Normally this will be your TSHELL directory.

6. Press Enter.

DATABASE CONVERSION

To select an NMA database:

1. Highlight *Select NMA File* in the Convert menu.

2. Press Enter. The NMA Source File Selection window appears:

```
═══════════ NMA to TL1 GPP Database Converter ═══════════
        CURRENT SELECTION SUMMARY
              ════ NMA source file selection ════

      NMA FILE  : ...........


   This screen prompts for the name of the NMA file that will be converted
   into T/LoadR data files.

   The following illustrates the format of the file that is expected:

   05  01  s  office_equip      stjsmodn/m3mm4a31/03306.03/6  . . .
   05  02  s  office_equip      stjsmodn/m3mm4a31/03306.03/6  . . .
   05  03  s  office_equip      stjsmodn/m3mm4a31/03306.03/6  . . .
   05  04  s  office_equip      stjsmodn/m3mm4a31/03306.03/6  . . .


   Enter the file name & extension of the NMA file. Ie 2608.NMA


F10/Esc=Exit                                              [DANTEL]
```

3. Enter the name of the database and press Enter.

   The name must have an extension of .NMA. Shown in the NMA Source File Selection window is the format of the NMA data that the T/Shell program requires when it does the data conversion.

NOTE: *If a default box appears with the names of NMA databases, use the Tab key to select a database if there is more than one, and press the Enter key.*

To select a TL1 GPP database:

1. Highlight *Select GPP System* in the Convert menu.

2. Press Enter.

3. The GPP Menu appears.

4. In the GPP Menu, highlight *Select GPP.*

5. Press Enter.

Here is the NMA to TL1 GPP Database Converter screen for selecting, configuring, and describing a GPP database:

```
┌──────────────── NMA to TL1 GPP Database Converter ───────────────┐
│ ┌ GPP Selection ─────────────────────────────────┐   ┌ Password ┐│
│   System Name : ........    Polling Type :                        │
│                                                                   │
│ ┌ GPP Configuration ───┐                                          │
│   Address :                                                       │
│                                                                   │
│ ┌ GPP Descriptors ──────────────────────────────────┐            │
│   Name        :                                                   │
│   Description :                                                   │
│                                                                   │
│                              ┌───── Convert ─────┐                │
│                              │   Paths           │                │
│                              │ ┌──── GPP Menu ────┐               │
│                              │ │ Select GPP       │               │
│                              │ │ Edit Password/Config/Descriptors │
│                              │ │ Quit             │               │
│                              └─┴──────────────────┘               │
│ Enter System Name.                                                │
└───────────────────────────────────────────────────────────────────┘
Ctrl-H=Edit Help, F10/Esc=Exit                              DANTEL
```

The Select GPP System option lets you select the TL1 GPP database where the converted NMA data will be sent.

You must create or select a database before you can choose the *Edit Password/Config/Descriptors* option.

Instructions for entering a system name, password, GPP address, and configuration description appear on the following pages.

SYSTEM NAME

The system (database) name you enter is the name of the system you select when you go to your TL1 GPP Editor program to work with the converted database.

Any system names in your TL1 GPP Editor program appear in a default box on the screen.

To select an existing name:

1. Use the Tab key to highlight your choice.

2. Press Enter.

3. If there is a password defined for the database configuration, type it and press Enter. If there is no password, just press Enter. To define a password or to change an existing one, refer to the next section.

CONTINUED . . .

4. A warning appears stating that you have chosen an existing database in the TL1 GPP Editor and that the conversion will overwrite this database. If you think you might want to use this database again, press Enter to return to the *System Name* field. Either pick another database (that you can overwrite) from the default box or create a new system name. If you want to overwrite an existing database, type **Y** and press Enter.

To create a new system name:

1. Enter a name.

    The name must be made up of characters that form a valid DOS file name. This is because the computer uses the name for making data files associated with that name. All alphabetic and numeric characters can be used, up to eight characters, to form the system name. Most other special ASCII characters can also be used in the name. However, characters that are reserved by DOS, such as the period and spaces, cannot be used.

2. Press Enter.

3. The following question appears at the bottom left corner of the screen:

    Not there. Wish to add (Y/N)?

    Type **Y** to add the new name. If you type **N,** the screen prompts you for another name.

4. In the *Polling Type* field, use the Tab key to highlight *DCP(F)* or *E2* for the polling protocol the TL1 GPP will use.

5. Press Enter.

Edit Password/Config/Descriptors.

1. In the GPP Menu, highlight *Edit Password/Config/Descriptors.*

2. Press Enter.

3. The Edit GPP menu appears.

    The Edit GPP menu options allow you to define or change the following:

1. A password to access the selected database configuration.

2. The address of the 46062-22 module.

3. A description to identify the selected database configuration.

    Instructions for using the Edit GPP menu options appear below.

NOTE: *The changes made on the screen in the TL1/NMA Converter program also will be made to the same database in the TL1 GPP Editor program.*

DATABASE CONVERSION

EDIT PASSWORD

This option allows you to define or change a password that is necessary to access the database configuration.

To define or change a password:

1. Highlight *Edit Password.*

2. Press Enter.

3. Enter up to eight characters.

4. Press Enter.

5. Retype the password. This is a safety feature to insure that you entered the password you intended.

6. Press Enter.

EDIT ADDRESS

This is the address of the 46062-22 module as set by switches S1-1 through S1-3 on the module. This is the module to which the computer will download the database configuration.

To change the address:

1. Highlight *Edit Address.*

2. Press Enter.

3. Enter the address. Acceptable values are 1- 8.

4. Press Enter.

EDIT DESCRIPTION

Entering text in the *Name* and *Description* fields is optional. You can enter text to remind yourself about the purpose or function of the configuration.

To enter or change a description:

1. Highlight *Edit Descriptors.*

2. Press Enter.

3. In the *Name* field, enter any name to identify your TL1 GPP.

4. Press Enter.

5. In the *Description* field, enter any description, such as location or function of the TL1 GPP.

6. Press Enter.

DATABASE CONVERSION

To begin the conversion:

1. Highlight the *Begin Conversion* option.

2. Press Enter.

3. The conversion begins. When prompted for a DCP address, type an address and press Enter.

NOTE: *If the TL1 GPP is going to poll a MAP with 46641-00 Firmware, enter odd addresses only. The program places displays 1-32 at the odd address and automatically places displays 33-64 in the next highest even address.*

---

4. When the conversion is completed, a message appears stating that the NMA file has been converted. The Log File function mentioned in the message is not implemented. Press any key to return to the *Convert* menu.

5. Return to the Master Menu.

6. Highlight the *TL1Gpp Editor* option.

7. Press Enter.

8. Open the TL1 GPP database with the converted file to work with it.

NOTE: *The* Convert Database *option in the TL1 GPP Editor program has nothing to do with the NMA database conversion. The converted file is ready to use.*

NOTES

WARRANTY

LIMITED WARRANTY

The Seller warrants that the standard hardware products sold will be free from defects in material and workmanship and perform to the Seller's applicable published specifications for a period of 18 months for hardware, and 3 months for software, from the date of the original invoice. The liability of the Seller hereunder shall be limited to replacing or repairing, at its option, any defective products which are returned F.O.B. to the Seller's plant, (or, at the Seller's option, refunding the purchase price of such products). In no case are products to be returned without first obtaining permission and a customer return authorization number from the Seller. In no event shall the Seller be liable for any consequential or incidental damages.

Equipment or parts which have been subject to abuse, misuse, accident, alteration, neglect, unauthorized repair or installation are not covered by warranty. The Seller shall make the final determination as to the existence and cause of any alleged defect. No warranty is made with respect to custom equipment or products produced to the Buyer's specifications except as specifically stated in writing by the Seller in the contract for such custom equipment.

This warranty is the only warranty made by the Seller with respect to the goods delivered hereunder, and may be modified or amended only by a written instrument signed by a duly authorized officer of the Seller and accepted by the Buyer.

Warranty and remedies on products not manufactured by the Seller are in accordance with warranty of the respective manufacturer. THE SELLER MAKES NO OTHER WARRANTY OF ANY KIND WHATSOEVER, EXPRESSED OR IMPLIED; AND ALL IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE WHICH EXCEEDS THE AFORESAID OBLIGATIONS IS HEREBY DISCLAIMED BY THE SELLER.

IN CASE OF DIFFICULTY

If you experience difficulty with this equipment, check the following, as appropriate:

1. Switch settings
2. Signal levels
3. Software configuration
4. Connections between Dantel's equipment and your equipment.

If there is still a problem, substitute equipment that is known to be good. For additional assistance, call Dantel's Technical Field Service Department weekdays, 6 A.M. to 5 P.M. pacific time:

1-800-4DANTEL (1-800-432-6835).

If a thorough checkout shows a piece of equipment has malfunctioned, you may return it to the factory. For repairs and emergency replacements, obtain a Return Material Authorization (RMA) number from the Customer Service Representative at **1-800-4DANTEL** (1-800-432-6835).

To ensure expedient processing of your order, provide a purchase order number and shipping and billing information when requesting an RMA number. Also, when the units are returned to Dantel, include a description of the failure symptoms for each unit returned. Send defective equipment to:

Dantel, Inc. • 2991 North Argyle Avenue • Fresno, California 93727-1388

Dantel

P.O. Box 55013 • Fresno, CA 93747-5013 Phone (559) 292-1111 Fax (559) 292-9355 http://www.dantel.com

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