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DX10 TIPE RELEASE INFORMATION

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SECTION 1

INTRODUCTION

1.1 GENERAL INFORMATION

The DX10 TIPE 2.2.0 software package consists of eleven tasks, ten of which are available through the System Command Interpreter (SCI).

A menu of TIPE commands may be displayed by typing /TIPE. The commands TIPE, TIPP, TIPE12, TILEDPO, TIPECDF, TIPECTD, TIPELDC, TIPELPM, TIPEPSF, and TIPHERDQ are described in the DX10 TIPE Reference Manual and in Section 3 of this document.

IMPORTANT

RELEASE 3.5.X OR LATER OF THE DX10 OPERATING
SYSTEM IS REQUIRED FOR THE OPERATION OF
DX10 TIPE 2.2.0.

Sections 5, 6, and 7 of this document contain information concerning problems, warnings, and suggestions which should be conveyed to all users of DX10 TIPE.

SECTION 2

TIPE SYNONYMS

2.1 TIPE SYSTEM SYNONYMS

Two system synonyms are used by TIPE. These are \$D, and \$TS. \$D is used to save the name of the last document that was created or edited. \$TS is used to save the name of the stored document. It is deleted when the TIPE task terminates normally.

2.2 OTHER USEFUL TIPE SYNONYMS

\$NM is used by TIPE as the Hidden Directory synonym. When this synonym is set (by the user), all files accessed in TIPE will be in this directory. \$PR is used by TIPE as the secondary location of the file containing the user programmable printer control sequences. When this synonym is set, the Print and MPC utilities will use the value of the synonym as the pathname of where to store and retrieve the printer control sequences. This allows the use of different sets of control sequences if more than one type of printer is being used.

SECTION 3

TIPE PROGRAM FILE

3.1 GENERAL INFORMATION

All TIPE programs are contained in the program file PROGRAM under the directory <volume>.S\$TIPE. The global LUNO >16 must be assigned to this program file in order for TIPE to work. (The character ">" denotes hexadecimal notation.) The eleven tasks which comprise TIPE are:

TASK NAME	PURPOSE
TIPE	This task provides the interactive editing capability of TIPE.
TIPP	This task prints the TIPE document to a printer or file from SCI or from a batch stream.
TIPE12	This task converts TIPE 1.1 documents to TIPE 2.X document format. It is bid from SCI and may be executed from a batch stream.
TIPEDPQ, TIPERDQ	This task displays the contents of the print queue and optionally removes a document from the queue.
TIPECDF	This task creates a descriptor file for a TIPE 2.X document. It is bid from SCI and may be executed from a batch stream.
TIPECTD	This task converts text files to TIPE 2.X documents. It is bid from SCI and may be executed from a batch stream.
TIPELDC	This task lists the contents of a directory. It is bid from SCI and may be executed from a batch stream.
TIPELPM	This task is bid from SCI or a batch stream and lists the printer messages associated with the station that originated the TIPELPM command.

TIPEPSF This task prints a sequential file, such as the file created when you print a TIPE 2.X document to a file. This task can be bid from SCI or a batch stream.

PRINT This task formats a TIPE 2.X document for printing. It is bid by either TIPE or TIPP.

TIPEPQ This is the print spooler task that prints to the printer when a document is printed in unattended mode. It is bid by either the print or editor task whenever a document or file is queued for printing. A separate copy of the task is bid for each printer that is accessed.

SECTION 4

MEMORY REQUIREMENTS

4.1 GENERAL INFORMATION

Memory for the DX10 TIPE procedure is required only for the first station using a task. Additional use of the same task by another station requires memory for the task and for overlays but not for the procedure.

When the first operator enters TIPE, 53K bytes of memory are required. Each additional user of TIPE requires 46K more bytes of memory. For the print operation, the memory requirements are 41K bytes for the first user and 26K bytes for each additional concurrent user.

SECTION 5

KNOWN PROBLEMS

5.1 VIEWING PROTECTED DOCUMENTS

TIPE documents that are protected may need to be unprotected in order to view them. If protected documents are viewed, an error message may be displayed that the document is protected.

5.2 USING A TIPC WITH THE 931 EMULATOR

Documents printed in LQ mode to a printer attached to the TI Professional Computer will cause the TIPC to lock up and the print to fail with the 931 Emulator software package, versions 2.0 and earlier.

5.3 SWISS INSTALLATION ERROR

After installing TIPE International for the Swiss-German (CHD) version, the message:

```
Int'l TIPE editor installation completed with 1 errors
```

will be displayed. This error can be resolved by entering the following three commands at the SCI prompt:

```
.OPTION PROMPT=[]  
MPI P=.S$TIPE.PROGRAM,MT=OV,MN=35,A=>636C,V=(0,0),  
D=(>5E60,>7E00),C=>2060
```

Without the above patch, this error only affects the counting of overstrike characters when repaginating from the TIPE main menu; it has no effect during printing.

SECTION 6

WARNINGS

6.1 GENERAL INFORMATION

When DX10 TIPE 2.2.0 is executed, it will create a directory at the .VCATALOG level on the disk where TIPE is installed. The name of the directory is <volume>.\$TIPExx (where xx is the station number which executes DX10 TIPE 2.2.0). If DX10 TIPE 2.2.0 is to operate correctly, it is imperative that the .S\$TIPExx directory associated with each station be allowed to exist indefinitely. If a .S\$TIPExx directory is deleted, it will be re-created once DX10 TIPE 2.2.0 is executed from that station. If DX10 TIPE 2.2.0 is still active when the directory is deleted, some currently active functions of DX10 TIPE 2.2.0 may be jeopardized at that station.

6.2 EXECUTING TIPE ON 940 VDT OR BUSINESS SYSTEM 300

The following problem may appear when executing DX10 TIPE on a 940 VDT attached to a either a 990 or a Business System 300:

1. When executing DX10 TIPE on a 940 VDT, insure that the fill characters which are displayed on the VDT screen are the same as those shown in the DX10 TIPE User's Exercise Guide. If the fill characters displayed on the screen do not match those found in the manual, perform the following steps:
 - A. Quit DX10 TIPE 2.2.0
 - B. Log-off of the system
 - C. Power-off the 940 VDT
 - D. Power-on the 940 VDT
 - E. Log-on to the system
 - F. Enter DX10 TIPE 2.2.0
 - G. Re-try the edit or create operation

If the correct fill characters still do not appear on the VDT screen, contact your system coordinator.

SECTION 7

SUGGESTIONS TO USERS

7.1 GENERAL INFORMATION

The following suggestions are made to help clarify areas of user confusion.

1. It is not necessary to enter INSERT mode to insert forced page breaks between lines of existing text.
2. When using the Print File (PF) command to print files created by TIPE print operations, the default values in the PF command may not be sufficient. For letter quality and draft formats specify ANSI CONTROL? to be YES and the NUMBER OF LINES/PAGE to be 255. For Text format specify ANSI CONTROL? to be NO and the NUMBER OF LINES/PAGE to be the number of lines desired per page.
3. TIPE does not support the printing of documents with right justification, underlining, or emphasizing while using proportional spacing print wheels or Font Modules.

7.2 USER PROGRAMMABLE PRINTER CONTROL SEQUENCES

The ability to send unprintable characters to the output device is a feature of TIPE 2.2.0. Nine different sequences may be programmed by the user to be sent to the output device. Each sequence may contain up to five ASCII characters. The codes ENTER-1, ENTER-2, ENTER-3...ENTER-9 have been used to substitute for the corresponding printer control sequences in the TIPE document. The substitution is done at the time of printing. A new utility, Modify Printer Control Sequences (MPC), has been added to the Utility submenu to allow modification of these control sequences.

7.3 TI 855 FONT MODULES

If initialized as described below in paragraph 2.2.1, the first three printer control sequences will each select a different Font Module socket on the front of the TI 855 printer. By including an ENTER-1 in your TIPE document, the printer will select the first Font Module (if installed). An ENTER-2 code will select Font Module two and ENTER-3 selects Font Module three. This allows the capability of switching font modules multiple times in a single document without having to stop the print and manually press the Module Select button on the TI 855 panel.

7.3.1 Initialization of Printer Control Sequences. To use the programmable printer control sequences (ENTER/1..3) to switch font module selections on a TI 855 printer, it will be necessary to initialize the file that the printer control sequences are stored in. The initialization need only be done once. To initialize this file, enter MPC at the TIPE Utility submenu or Main menu. When the Modify Printer Control Sequences prompts appear, press the RECALL BLOCK (F4) function key to initialize the first three printer control sequences to switch font modules. Press the ENTER key to save these and return to the Utility submenu.

7.3.2 Font Module restrictions. Since the TIPE Print program does not know which font modules you have installed in your printer, there are cases where switching font modules in a particular place will produce un-readable print.

7.3.2.1 Centering. Each one of the font modules has a certain pitch and character size. Centering, which will only position the text between the left and right margins, does not take the character size into account. Experience will dictate the correct right margin location required for each font module to center text properly.

7.3.2.2 Underlining and Emphasized print. Switching font modules in the middle of a line containing underlining or emphasizing will cause the underline characters or emphasized characters to occasionally appear in the wrong place. This will occur when switching between font modules with different pitches. If this is a problem, some of the control sequences may be programmed to utilize the internal underline and boldface capabilities of the printer.

7.3.2.3 Changing Font Modules in a line. Switching Font Modules in a document where the Left Margin Displacement specified in the printer parameters submenu is greater than zero will cause uneven

margins if the Font Modules are of different pitch. Setting the left margin displacement to zero will cause the margins to line up correctly. In this case, left margin offset can be obtained by setting tabs on the ruler line.

7.4 USING NON-STANDARD PRINTERS

If your printer is not supported under LQ mode, (not an LQ-45 or TI 855) you may be able to take advantage of its internal capabilities such as underlining, boldface or italics by programming the ENTER-1..ENTER-9 to send the correct sequences to enable/disable these functions on your printer. See your printer reference manual for the correct control sequences.