

| APPLICATION | | REVISIONS | | |
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| REV STATUS OF SHEETS | | | | | | | | | | | | | |
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| SHEET | | | | | | | | | | | | | |

UPDATE DOCUMENT, DX10 TIPE, RELEASE 2.2.0 -990

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| TEXAS INSTRUMENTS INCORPORATED DATA SYSTEMS GROUP | drawing number 2239981-9901 |
| | REV. ** SHEET 1 OF 8 |

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SECTION 1

INTRODUCTION

This release of DX10 TIPE 2.2 fixes some of the known problems with the DX10 2.1.0 release. An enhancement has also been added with this release to increase printer support.

The TIPE Main menu contains the revision number and release date <VERSION: 2.2.0 84342>.

IMPORTANT

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

SECTION 2

ENHANCEMENTS

2.1 User Programmable Printer Control Sequences

The ability to send unprintable characters to the output device has been added to the TIPE 2.2.0 version. 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.

2.2 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 fonts multiple times in a single document without having to stop the print and manually press the Module Select button on the TI 855 panel.

2.2.1 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.

2.2.2 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.

2.2.2.1 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.

2.2.2.2 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.

2.2.2.3 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.

2.3 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.

SECTION 3

PROBLEMS FIXED

3.1 PROBLEMS FIXED IN CREATE/EDIT OPERATIONS

1. Reformat (either by F6-RULER or Block) of multiple columns of decimal tabs and points in fixed mode destroyed data in the columns (17792).
2. Least significant digits were truncated in decimal fields if enter codes followed the numeric value and no decimal place was set on the ruler line for that field (17374).
3. Block selection did not work properly on a section of text that was recalled. The "Second select symbol must follow the first select symbol" message was displayed if the NEXT PAGE or PREVIOUS PAGE keys were used (17172).
4. Reformat and change ruler line hanged if a line being reformatted had an adjusted left margin invoked beyond the first tab in the ruler line (17024).
5. Block select hanged on Copy and Store operations if NEXT PAGE, PREVIOUS PAGE, or HOME-HOME key sequences were pressed during block selection (17014).
6. Block column moves or copies destroyed tabs causing the block operation to give unwanted results (14245).
7. Use of the RIGHT ARROW after tab to right margin would move the cursor past the right margin if an ENTER-QUOTE or an ENTER-DOUBLE QUOTE appeared in that line. This destroyed data in the following line (17779).

3.2 PROBLEMS FIXED IN UTILITIES

1. In List Directory Contents (LDC), documents with a number of pages greater than can fit in one page segment caused a hang (17609).
2. In LDC, when the hidden directory synonym (\$NM) was set, subdirectories would not list unless they appeared on the system volume (17798).
3. In LDC, the date shown was incorrect during February of leap years (17787).
4. In Protect File and Unprotect File (PF and UF), if the hidden directory synonym (\$NM) was set, protection on subdirectory files could not be effected (17798).
5. In Remove Document from Queue (TIPERDQ and RDQ), the NEXT PAGE and PREVIOUS PAGE keys did not allow scrolling of the print queue before entering the spool id of the document to remove.

3.3 PROBLEMS FIXED IN REPAGINATION

1. When a single ENTER-I code appeared in a document without its matching ENTER-I following the pathname, repagination would terminate abnormally (18141).

3.4 PROBLEMS FIXED IN PRINTING

1. Documents could not be printed to Remote Printer (RP) devices in an RTS environment (17371,18014).
2. Attempting to print a file needing repagination while another TIPE file was printing caused a TIPE crash with a task error 02 (18014).

3.5 OTHER PROBLEMS FIXED

1. The German, Danish, Italian, Dutch, and Swedish main menu prompts were incorrectly positioned, causing error messages to overwrite the prompt.