

FE07A.05 Software Release Guide

Addendum for loading CTIX from QIC 1/4" Tape

PLEASE READ THIS BEFORE ATTEMPTING TO LOAD THE TAPE.

Tape Release of CTIX - Changes in loading procedure :

The QIC Tape release of FE07A.05 consists of three diskettes and one QIC tape, the diskettes consist of two first-time install diskettes and one stand-alone shell diskette. Only the two first-time install diskettes and the tape are normally needed for an installation.

The tape release of FE07A.05 is not significantly different from the floppy release of the same product except in its loading procedures. The loading procedure follows the S.R.G. for the first steps of booting the First-Time install floppies 1 & 2 to format and partition the Winchester disk.

NOTE : For the tape release the second install diskette initializes and partitions the Winchester in a different manner to the floppy release, do not use a diskette from a floppy release set, for the same reason you should always re-format the Winchester if performing an upgrade to FE07A.05.

Please follow these instructions instead of steps 14. to 24. on pages 3-5 and 3-6 of the S.R.G. :

After re-booting from the newly partitioned winchester you will be prompted with the following"

```
          You are now ready to install Utility Set 1.  
          PRESS THE <RETURN> KEY TO BEGIN UPGRADE
```

On Pressing <Return> the following prompt appears:

```
          Insert the FE07A install tape and press [Return]
```

Insert the release tape into the tape drive and press the <Return> key, Utility Set 1. will now be loaded from the tape onto the winchester. During loading the message:

```
          XXXX bytes read.
```

will be displayed and constantly updated. After about 6400000 bytes of data have been loaded the message should be replaced by:

```
          The data on this tape has verified O.K.
```

At this point an install script loaded from the tape will be run, this takes a few minutes, when it is complete the following message will appear :

```
          Completed Installation of Utility Set 1.  
          Rebooting...
```

The winchester will re-boot automatically and bring up a login prompt. (NOTE: The 6350 normally re-boots twice, as the automatic run of the file-system check fails on the first re-boot, this is not a problem.)

We have now completed the basic CTIX installation on the 6350, if you wish to load additional Utilsets continue with the upgrade instructions below:

Loading Additional Utilsets or upgrading an existing system:

All the Utility Sets from one through to nine are on the tape in order. The standard software loading utility 'upgrade' runs in the usual manner from QIC tape cartridges by selecting 'T' as the input device. Version 1.9 of 'upgrade' however has a problem in that it cannot skip tape files correctly to find the next. To avoid this problem the tape utility command 'tsioctl' can be run to skip tape files to reach the next Utility set, the command syntax is as follows:

```
tsioctl -c skip /dev/rmt4
```

Normally you will always start with a fully re-wound tape that has just been inserted in the drive, if the tape has already been partially read or if you are uncertain as to its current position the it can be rewound by using the same command with different arguments:

```
tsioctl -c rewind /dev/rmt0
```

This command will fully re-wind the tape to file 1, in the case of the install tape this will be Utilset 1.

The skip command will skip only one file on the tape, for convenience a shell script 'tapeskip' has been provided that skips a specified number of tape files (or defaults to one file). To run this script enter:

```
tapeskip n
```

where n is the desired number of files to be skipped, for example if you wish to load only Utilset 4 from a re-wound tape, then the following command will correctly position the tape:

```
tapeskip 3
```

and the following messages will be printed as the script runs:

```
# tapeskip 3
  1 file skipped
  2 files skipped
  3 files skipped
#
```

Now the 'upgrade' command can be run in the usual way specifying the tape device 'T' and answering the questions as in the S.R.G.

If you wish to load the Utilset following the one just loaded from the tape it is possible to run 'upgrade' again without re-positioning the tape, alternatively, when 'upgrade' asks if you wish to load another product simply type 'C' to continue. In this way all the Utilsets can be loaded in sequence, with only one tape position command to skip Utilset 1.

If 'upgrade' displays an incorrect Utilset name when run you should not attempt to run the 'Skip to next product' option, instead, quit 'upgrade' and skip the desired number of files by running 'tsioctl'.

Differences between Floppy and Tape loads of FE07A.05

There is no difference between the software supplied on the FE07A tape and the FE07A floppies, however all the international support files normally supplied on extra floppies with FE07A.05 have been included in Utilset 9. on the tape release, this has had the following effects:

- 1) The root partition on the Winchester has been made larger to accomodate the extra files, the fp001 partition has grown by 1Mb and as a result the fp003 partition has been made 1Mb smaller.
- 2) After loading CTIX the user should check the directory '/usr/lib/iv/dl.term' for unwanted terminal download files and delete them, similarly unwanted terminal translate tables should be removed from the the directory '/usr/lib/cs.term' and unwanted printer translate tables from 'usr/lib/cs.printer', this operation can free up considerable disk space and it is extremely unlikely that all the downloads will be required. For more details on the function of these files see the International Support Package users guide.

In addition the following change have been made:

- 3) The two swiss keyboards (tm31.4.sfra & tm31.4.sdeut) have been added to the normally supplied downloads.
- 4) The kernel makefile has been changed to create new copies of unix with the correct magic number to run 'crash'.
- 5) A Bug-fix has been added to the 'slp.o' routine in the kernel library, this was found to be necessary for some heavy oracle based applications.
- 6) Termcap and terminfo entries have been supplied for the Motorola TM220 (Ampex 220) Terminal. These have been created as both 8 and 7-bit entries under the names tm228 and tm227 respectively. The source for the TM220 terminfo entry can be found in '/usr/lib/terminfo/t_src' in case modification is required.

Addendum to all FE07 Release notices

I.S.P. Patch to fix "Address fault in kernel" panic.

There is a 'BUG' in the current FE07 release of the I.S.P. Library, to fix the problem a patch needs to be applied to the file lib.isp in the directory /usr/sys.

The symptom of the bug is that the kernel will crash intermittently when the I.S.P. package corrupts the output clist. The panic will be an Address fault panic.

To apply the patch perform the following steps after installing FE07 on your machine :

```
patch -w /usr/sys/cf/isp/lib.isp
bad file format
0x3779?x
3779:          4000
?w0x3800
3779:          4000 = 3800
$a
```

If the byte at 0x3779 is not 0x40, then do not apply this patch, you do not have the correct version of the I.S.P. library.

Make sure to copy the patched lib.isp to the /usr/sys directory as it may not be linked to there.

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