VME/10

CUSTOMER LETTER

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To: VME/10 Customers

Subject: Software Installation

This letter tells how to download the VERSAdos files and other information on the floppy diskette transport media onto the VME/10's Winchester hard disk. Please note that VME/10 units are shipped from the factory with VERSAdos on the Winchester hard disk, so this procedure is only required if a unit will not BOOT from the hard disk.

NOTE
If your VME/10 has a 15 MB Winchester disk, do not perform the following steps. Go directly to the next section, "COPYING FLOPPIES ONTO HARD DISKS".

CREATING A 40 MB SYSTEM

The boot floppy (BT01:) is configured to support a 15 MB Winchester disk drive. If your system has a 40 MB Winchester you must reconfigure the file BT01:0.VMES10.VERSADOS.SY by performing the steps shown in boldface type below, so that the file will support the larger disk and execute on your system. Follow each entry with a carriage return (<—| key).

CAUTION
The following procedure will modify the master release disk.

1. Power up the unit.

2. Remove the write protect tab from master diskette BT01:, insert the diskette into the floppy drive, and shut the drive door.

3. Press the RESET button on the front panel to enter TENbug. (If an MVME400 is part of the system, press the return key (<—|).)

4. Boot VMES10.VERSADOS.SY from master diskette BT01: as follows:

   BO   2,0,0.VMES10.VERSADOS.SY

   Enter default volume:user number as

   BT01:0

   and enter the date and time as prompted to complete the boot procedure.

5. Invoke the XPATCH chain file to patch VERSAdos as follows:

   CHAIN   VMES10.XPATCH.CF   40MB

   The VMES10.VERSADOS.SY has now been configured on BT01:.

6. Perform steps 3 and 4 again. You now have a VERSADOS.SY 4.3 running which supports your hard disk size.

7. Remove master diskette BT01: from the floppy drive and apply a write protect tab to it.

Please note that the use of the above chain file is only appropriate to patch the VMES10.VERSADOS.SY file which was provided. The parameter WINSIZE in the :9998.VMES10.SYSCMD.CD file must be set with the correct value corresponding to your disk size if the SYSGEN of a new VERSADOS.SY is required.

The source master file for VMES10.XPATCH.CF is also on the disk. It is called VMES10.PATCH.CF. If subsequent SYSGENs are performed, a new VMES10.XPATCH.CF will be created but it is of no value and must not be used to configure 40 MB versions. You must change WINSIZE as stated above.

COPYING FLOPPIES ONTO HARD DISK

CAUTION
The following steps will erase all programs and data from
your hard disk. Before beginning this procedure, copy
any files you wish to save onto diskettes for safekeeping.

1. Place the floppy disk (BT01:) in the floppy disk drive and close the door. Press RESET.

2. Type

    BO 2,0,0.VMES10.VERSADOS.SY

3. Enter default volume:user number as

    BT01:0

    and enter the date and time as prompted.

4. Initialize and format your hard disk by making the entries shown in boldface type below in response to the prompts. All entries must be followed by a carriage return (**<—|** key). Note that if necessary, the routine can be aborted by pressing the BREAK key, and restarted from the beginning.

    =INIT   #HD00;V
    OK TO INITIALIZE #HD00 (Y/N)? **Y**

    Configuration change-to exit enter C (configure) or Q (terminate utility)

    Physical sectors/track on media (8 bits)   32 > **C**
    DO YOU WANT TO FORMAT DISK (Y/N)? **Y**
    START FORMAT
    TRACK-BY-TRACK FORMAT (Y/N)? **Y**
    ENTER NEW VOLUME NAME **SYS**
    ENTER USER NUMBER **0**
    ENTER DESCRIPTION (MAX 20 CHARACTERS) **VDOS 4.3 mm/dd/yy**

    (where mm/dd/yy is month/day/year, e.g. 07/12/84)

    DO YOU HAVE LOCKOUT TABLE ENTRIES (Y/N)? **Y**

    CAUTION
    It is essential that starting sector number and number of
    sectors for each imperfect block be listed as on the disk
    manufacturer's defect map, because INIT's sector validation
    will not necessarily identify all of these. End entries with a
    carriage return. If bad sector information from the manufacturer
    is not available, answer N to the " . . . LOCKOUT TABLE

ENTRIES ... " question, but be aware that a risk exists that
eventually data may be written to any unidentified bad sectors.)

    ENTER LOCKOUT START SECTOR NUMBER   **xxxx**

(where xxxx is first bad sector number)

    ENTER NUMBER OF CONTIGUOUS SECTORS   **32**

    .
    .
    .

    ENTER LOCKOUT START SECTOR NUMBER   **xxxx**

(where xxxx is last bad sector number)

    ENTER NUMBER OF CONTIGUOUS SECTORS   **32**
    ENTER LOCKOUT START SECTOR NUMBER   **(CR)**
      VALIDATING SECTORS ....
      x BAD SECTORS ENCOUNTERED
    DO YOU WANT A DIAGNOSTIC TEST AREA (Y/N) ? **Y**
    Number of cylinders on media (16 bits)   306 > **306** (or **830**)

(cylinders: 306=15 MB, 830=40 MB)

    Physical sectors/track on media (8 bits)   32 > **32**
    DO YOU WANT THE BOOTSTRAP (Y/N) ? **Y**

(Press the carriage return key (<--|) in response to the remainder of the questions.)

5. Copy all the files from your master boot floppy to the hard disk by typing

    COPY   BT01:*,*.*.*,SYS:*.*.*.*;NBC

Be sure to use the "NBC" option as shown. Enter **A** in response to the "COPY ALL OR SELECT FILES ..." question.

6. After all files on the diskette have been copied, rename the VERSADOS.SY module that is now on the hard disk so that it is placed in the null catalog, as follows:

    RENAME   SYS:0.VMES10.VERSADOS.SY,SYS:0.&.VERSADOS.SY

You must now boot the system from the hard disk in order to copy the rest of the release master floppies onto the hard disk.

7. Press RESET at the TENBUG x.x > prompt, and type:

    BO

8. Enter default system volume:user number as

    SYS:0

and enter the date and time as directed.

9. Copy the contents of all the other floppy disks onto the hard disk as follows. Note that you **must** mount and dismount (MT and DMT) the individual floppies as you proceed. Copy command examples follow. In the examples, the DMT and MT utilities inputs are shown for the first disks (BT02: and BT03:) only, but are not illustrated for the rest of the disks. However, you **must** DMT and MT before loading each successive disk.

    Open the floppy disk drive door. (Door **must** be open for the DMT utility to execute properly.)

    DMT #FD02
    DISMOUNT Version xxxxxx x

    (Insert disk BT02: and close door.)

    MT #FD02
    MOUNT Version xxxxxx x
    BT02 has been mounted
    Total Vdos sectors   xxxx

    COPY BT02:*.*.*.*,SYS:*.*.*.*;NBC

    (At the "COPY ALL OR SELECT ..." question, type A. When all of the files have been copied, open the floppy drive door and remove BT02:.)

    DMT #FD02
    DISMOUNT Version xxxxxx x

    (Insert disk BT03: and close door.)

    MT #FD02
    MOUNT Version xxxxxx x
    BT03 has been mounted
    Total Vdos sectors   xxxx

    COPY BT03:*.*.*.*,SYS:*.*.*.*;NBC

    (Continue with the COPY procedure until all diskettes are copied, using the MT and DMT commands as before. At the "COPY ALL OR SELECT ..." question, type A.)

    COPY BT04:*.*.*.*,SYS:*.*.*.*;NBC

    COPY BT05:*.*.*.*,SYS:*.*.*.*;NBC

    COPY BT06:*.*.*.*,SYS:*.*.*.*;NBC
    .
    .
    .

10. After you have copied all of the files from the release disks to the hard disk, you may wish to examine the hard disk's directory and delete those files you do not need. For example, you may wish to delete all of the VERSADOS.SY files that are for other hardware systems.

CAUTION
Be careful not to delete the null catalog VERSADOS.SY.
You need that one for future booting.

11. You may now load any programs and data that you need for your own applications.