

RSX-11M V3.2
DRIVERS
FDX-TTDRV

Seq 3.1.3.9 N

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- Q2:** The Full Duplex Terminal Driver will attempt to buffer both input and output requests to allow the task to be checkpointed. How do I disable this feature if it is causing thrashing in my system?
- A2:** The driver stops a task while it performs terminal I/O. Checkpointing will occur only if there is contention for the memory the I/O bound task occupies. Thrashing between many tasks performing terminal I/O can occur and will degrade system response due to excessive checkpointing, especially if the I/O requests are for single characters. To disable stopping and checkpointing a task performing terminal input, change line 134 of the module TTRW,MAC which reads:

```
BCS UNBI ;N = JUMP
to
BR UNBI ;DISALLOW CHECKPOINTING DURING INPUT
```

To disable stopping and checkpointing a task performing terminal output, change line 811 of the module TTRW,MAC which reads:

```
BCS CLR16 ;N = JUMP
to
BR CLR16 ;DISALLOW CHECKPOINTING DURING OUTPUT
```

Note that a read with prompt function is considered an output request when the check for buffering is made.

- Q3:** When a remote (dial-up) line is answered, the characteristics of the line are reset and the speed is changed to a rate specified at SYSGEN. How can I disable the resetting of the line characteristics and baud rate?
- A3:** The resetting of the line characteristics is done by routine MANS in the module TTMOD,MAC (line 167). To maintain the line parameters across dial-ins or to reset them to a particular setting, modify lines 167 through 178 appropriately. Note that this routine returns the C-bit clear, so make sure that any local modifications adhere to this. Also note that line 173 is where the speed is reset. This line should be commented out (place a semi-colon before it) to not affect the baud rate. In addition, to maintain the baud rate constant, the following line should also be commented out:

If your remote lines are interfaced through a DH-11, comment out line 594 of the module TTYH,MAC, which reads:

```
MOV T$$MAN,LPR(R3) ;;;SET LINE PARAMETERS
```

If your remote lines are interfaced through a DZ-11, comment out line 190 of the module TTYZ,MAC, which reads:

```
MOV @SP,LPR(R3) ;LOAD PARAMETERS
```