



```

RRRRRRRR      EEEEEEEEE  MM      MM      MM      MM      AAAAAA      CCCCCCCC      RRRRRRRR      000000      SSSSSSSS
RRRRRRRR      EEEEEEEEE  MM      MM      MM      MM      AAAAAA      CCCCCCCC      RRRRRRRR      000000      SSSSSSSS
RR      RR      EE          MMMM   MMMM   MMMM   MMMM   AA      AA      CC          RRRRRRRR      RR      00      00      SS
RR      RR      EE          MMMM   MMMM   MMMM   MMMM   AA      AA      CC          RRRRRRRR      RR      00      00      SS
RR      RR      EE          MM      MM      MM      MM      MM      AA      AA      CC          RRRRRRRR      RR      00      00      SS
RR      RR      EE          MM      MM      MM      MM      MM      AA      AA      CC          RRRRRRRR      RR      00      00      SS
RRRRRRRR      EEEEEEEEE  MM      MM      MM      MM      AA      AA      CC          RRRRRRRR      RR      00      00      SSSSSS
RRRRRRRR      EEEEEEEEE  MM      MM      MM      MM      AA      AA      CC          RRRRRRRR      RR      00      00      SSSSSS
RR      RR      EE          MM      MM      MM      MM      AAAAAAAAAA  CC          RR      RR      00      00      SS
RR      RR      EE          MM      MM      MM      MM      AAAAAAAAAA  CC          RR      RR      00      00      SS
RR      RR      EE          MM      MM      MM      MM      AA      AA      CC          RR      RR      00      00      SS
RR      RR      EE          MM      MM      MM      MM      AA      AA      CC          RR      RR      00      00      SS
RR      RR      EEEEEEEEE  MM      MM      MM      MM      AA      AA      CCCCCCCC  RR      RR      000000  SSSSSSSS
RR      RR      EEEEEEEEE  MM      MM      MM      MM      AA      AA      CCCCCCCC  RR      RR      000000  SSSSSSSS

```

```

MM      MM      AAAAAA      RRRRRRRR
MM      MM      AAAAAA      RRRRRRRR
MMMM   MMMM   AA      AA      RR      RR
MMMM   MMMM   AA      AA      RR      RR
MM      MM      MM      AA      AA      RR      RR
MM      MM      MM      AA      AA      RR      RR
MM      MM      AA      AA      RRRRRRRR
MM      MM      AA      AA      RRRRRRRR
MM      MM      AAAAAAAAAA  RR      RR
MM      MM      AAAAAAAAAA  RR      RR
MM      MM      AA      AA      RR      RR
MM      MM      AA      AA      RR      RR
MM      MM      AA      AA      RR      RR
MM      MM      AA      AA      RR      RR

```

Version 'V04-000'

```
*****
*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
*  ALL RIGHTS RESERVED.
*
```

```
*  THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED
*  ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE
*  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER
*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY
*  OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
*  TRANSFERRED.
*
```

```
*  THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
*  AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
*  CORPORATION.
*
```

```
*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
*  *****
```

Modified by:

```
V03-003 JLV0273      Jake VanNoy      15-JUN-1983
        Mods to RTTUCBEXT to allow real RTT UCB to be defined
        in $TTYUCBDEF.

V03-002 JLV0250      Jake VanNoy      29-APR-1983
        Include logical terminal UCB into remote terminal UCB.

V03-001 JLV0217      Jake VanNoy      7-Jan-1983
        Add to $RTTUCBEXT to allow CTERM work to continue.

V02-006 SPF0049 Steve Forgey  31-December-1981
        Add UCBSW_RTT_LINK field to RT UCB.

V02-005 DJD2004 Darrell Duffy  9-December-1981
        Update for outofband support.

V02-004 PHL0022 Peter H. Lipman 1-November-1981
        Error in V02-003, missing continuation line
        indication in $RTTUCBEXT.

V02-003 DJD2003 Darrell Duffy  30-October-1981
        Update for new fixes.

V02-002 DJD2002 Darrell Duffy  20-August-1981
        Second longword of devdepend to the ucb for
        first round of terminal upgrade changes
```

: VO2-001 DJD2001 Darrell Duffy 5-Mar-1981  
: RTTDRIIVER calls netdriver directly for io  
:

```

.MACRO $REMDEF
REMSC_MAXLINKS = 16 ; Max no. of virtual devices
REMSC_MAXDEVS = 10 ; Max no. of device/object pairs
REMSC_MAXUNITS = 16 ; Max no. of device units per controller

REMSC_CURVRS = 1 ; Current version of protocol
REMSC_CURECO = 1 ; Current eco level of protocol
;
; Terminal protocol states
;
REMSC_ST_CONFIG = 1 ; Awaiting CONFIGURE message
REMSC_ST_ATTRIB = 2 ; Awaiting ATTRIBUTES message
;
; Work types for queue entries
;
REMSC_MBX_READ = 1 ; Do a mailbox read
REMSC_LNK_READ = 2 ; Do a Link read
.MACRO $REMDEF
.ENDM $REMDEF
.ENDM $REMDEF

.MACRO $RTTUCBEXT $GBL ; Extension to ucb for rttdriver
$TTYDEFS ; define terminal UCB and symbols

UCB$L_RTT_DEVDEPEND2 = - ; Second longword of device dependent
UCB$L_DEVDEPN2 ; bits
UCB$L_RTT_CTRLC = UCB$L_TL_CTRLC ; CTRL/C Ast list
UCB$L_RTT_CTRLY = UCB$L_TL_CTRLY ; CTRL/Y ast list
UCB$L_RTT_BANDXCL = UCB$L_TL_BANDQUE ; Outofband list for include
UCB$L_RTT_BANDXMSK = UCB$L_TL_OUTBAND ; Summary mask for include
UCB$L_RTT_LEN = UCB$L_TL_LENGTH ; temp ***

.ENDM

.MACRO $DISPATCH, INDX, VECTOR, TYPE=W, NMODE=S^#, ?MN, ?MX, ?S, ?SS, ?ZZ
SS:
.MACRO $DSP1, $DSP1_1
.IRP $DSP1_2, $DSP1_1
$DSP2 $DSP1_2
.ENDR
.ENDM
.MACRO $DSP2, $DSP2_1, $DSP2_2
.=<$DSP2_1-MN>*2 + 5
.WORD $DSP2_2-S
.ENDM
.MACRO $BND1, $BND1_1, $BND1_2, $BND1_3
$BND2 $BND1_1, $BND1_2
.ENDM
.MACRO $BND2, $BND2_1, $BND2_2
.IIF $BND2_1, $BND2_2-., .=$BND2_2
.ENDM
.MACRO $BND $BND_1, $BND_2

```

```
      .IRP      $BND_3,<$BND_2>
      $BND1    $BND_1,$BND_3
      .ENDR
      .ENDM
      .=0
ZZ:
      $BND    GT,<VECTOR>
MX:
      $BND    LT,<VECTOR>
MN:
      .=SS
CASE 'TYPE'  INDX,#<MN-ZZ>,NMODE'<MX-MN>
S:
      .REPT    MX-MN+1
      .WORD    <MX-MN>*2 + 2
      .ENDR
      .=S
      $DSP1    <<VECTOR>>
      .=<MX-MN>*2 + S + 2
.ENDM
```

