

MM	MM	AAAAAA	SSSSSSSS	SSSSSSSS	TTTTTTTTTT	AAAAAA	PPPPPPP	EEEEEEEEEE
MM	MM	AAAAAA	SSSSSSSS	SSSSSSSS	TTTTTTTTTT	AAAAAA	PPPPPPP	EEEEEEEEEE
MMMM	MMMM	AA	SS	SS	TT	AA	PP	EE
MMMM	MMMM	AA	SS	SS	TT	AA	PP	EE
MM	MM	AA	SS	SS	TT	AA	PP	EE
MM	MM	AA	SS	SS	TT	AA	PP	EE
MM	MM	AA	SSSSSS	SSSSSS	TT	AA	PPPPPPP	EEEEEEEE
MM	MM	AA	SSSSSS	SSSSSS	TT	AA	PPPPPPP	EEEEEEEE
MM	MM	AAAAAAAAAA	SS	SS	TT	AAAAAAAAAA	PP	EE
MM	MM	AAAAAAAAAA	SS	SS	TT	AAAAAAAAAA	PP	EE
MM	MM	AA	SS	SS	TT	AA	PP	EE
MM	MM	AA	SS	SS	TT	AA	PP	EE
MM	MM	AA	SSSSSSSS	SSSSSSSS	TT	AA	PP	EEEEEEEEEE
MM	MM	AA	SSSSSSSS	SSSSSSSS	TT	AA	PP	EEEEEEEEEE

LL	IIIIII	SSSSSSSS
LL	IIIIII	SSSSSSSS
LL	II	SS
LL	II	SS
LL	II	SS
LL	II	SS
LL	II	SSSSSS
LL	II	SSSSSS
LL	II	SS
LL	II	SS
LL	II	SS
LL	II	SS
LLLLLLLLLLL	IIIIII	SSSSSSSS
LLLLLLLLLLL	IIIIII	SSSSSSSS

```
0001          SUBROUTINE MASSTAPE (LUN)
0002          C
0003          C  Version:      'V04-000'
0004          C
0005          C*****
0006          C*
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0025          C*
0026          C*****
0027          C
0028          C
0029          C
0030          C      AUTHOR  BRIAN PORTER              CREATION DATE  26-MAR-1979
0031          C
0032          C      Functional description:
0033          C
0034          C      This module displays error log entries to all drive types connected
0035          C      to the TM03 formatter.
0036          C
0037          C      Modified by:
0038          C
0039          C      V03-004 SAR0225      Sharon A. Reynolds,      28-Mar-1984
0040          C                   Changed the call to UCBSL_OWNUIC to ORBSL_OWNER.
0041          C
0042          C      V03-003 SAR0079      Sharon A. Reynolds,      20-Jun-1983
0043          C                   Changed the carriage control in the 'format' statements
0044          C                   for use with ERF.
0045          C
0046          C      V03-002 SAR0043      Sharon A. Reynolds,      9-Jun-1983
0047          C                   Removed brief/cryptic support.
0048          C
0049          C      v03-001 BP0001      Brian Porter,          20-AUG-1982
0050          C                   Minor edit.
0051          C**
0052          C
0053          C      INCLUDE 'SRC$:MSGHDR.FOR /NOLIST'
0112          C      INCLUDE 'SRC$:DEVERR.FOR /NOLIST'
0213          C
0214          C
0215          C      BYTE              LUN
```



```
0273 CHARACTER*24 MASS2_DS(10:15)
0274 DATA MASS2_DS(10) /*END OF TAPE*/
0275 DATA MASS2_DS(11) /*WRITE PROTECTED*/
0276 DATA MASS2_DS(12) /*MEDIUM ON-LINE*/
0277 DATA MASS2_DS(13) /*POSITIONING IN PROGRESS*/
0278 DATA MASS2_DS(14) /*COMPOSITE ERROR*/
0279 DATA MASS2_DS(15) /*ATTENTION ACTIVE*/
0280
0281 CHARACTER*30 MASS1_ER(0:5)
0282 DATA MASS1_ER(0) /*ILLEGAL FUNCTION*/
0283 DATA MASS1_ER(1) /*ILLEGAL REGISTER*/
0284 DATA MASS1_ER(2) /*REGISTER MODIFICATION REFUSED*/
0285 DATA MASS1_ER(3) /*MASSBUS CONTROL PARITY ERROR*/
0286 DATA MASS1_ER(4) /*FORMAT CODE ERROR*/
0287 DATA MASS1_ER(5) /*MASSBUS DATA PARITY ERROR*/
0288
0289 CHARACTER*25 PE1_ER(6:7)
0290 DATA PE1_ER(6) /*UNCORRECTABLE DATA ERROR*/
0291 DATA PE1_ER(7) /*FORMAT ERROR*/
0292
0293 CHARACTER*26 NRZ11_ER(6:7)
0294 DATA NRZ11_ER(6) /*VERTICAL PARITY ERROR*/
0295 DATA NRZ11_ER(7) /*LONGITUDINAL PARITY ERROR*/
0296
0297 CHARACTER*18 MASS2_ER(8:9)
0298 DATA MASS2_ER(8) /*NON-STANDARD GAP*/
0299 DATA MASS2_ER(9) /*FRAME COUNT ERROR*/
0300
0301 CHARACTER*17 PE2_ER(10:10)
0302 DATA PE2_ER(10) /*CORRECTABLE SKEW*/
0303
0304 CHARACTER*18 NRZ12_ER(10:10)
0305 DATA NRZ12_ER(10) /*ILLEGAL TAPE MARK*/
0306
0307 CHARACTER*24 MASS3_ER(11:14)
0308 DATA MASS3_ER(11) /*NON-EXECUTABLE FUNCTION*/
0309 DATA MASS3_ER(12) /*DRIVE TIMING ERROR*/
0310 DATA MASS3_ER(13) /*OPERATION INCOMPLETE*/
0311 DATA MASS3_ER(14) /*TRANSPORT UNSAFE*/
0312
0313 CHARACTER*23 PE3_ER(15:15)
0314 DATA PE3_ER(15) /*CORRECTABLE DATA ERROR*/
0315
0316 CHARACTER*10 NRZ13_ER(15:15)
0317 DATA NRZ13_ER(15) /*CRC ERROR*/
0318
0319 CHARACTER*27 MASS1_DT(0:3)
0320 DATA MASS1_DT(0) /*45 IPS TRANSPORT SELECTED*/
0321 DATA MASS1_DT(1) /*75 IPS TRANSPORT SELECTED*/
0322 DATA MASS1_DT(2) /*125 IPS TRANSPORT SELECTED*/
0323 DATA MASS1_DT(3) /*BIT 3 ALWAYS SET*/
0324
0325 CHARACTER*15 MASS_DT5(0:1)
0326 DATA MASS_DT5(0) /*TM02 FORMATTER*/
0327 DATA MASS_DT5(1) /*TM03 FORMATTER*/
0328
0329 CHARACTER*18 MASS2_DT(10:10)
```

```

0330 DATA MASS2_DT(10) /'TRANSPORT PRESENT*'/
0331
0332 CHARACTER*10 MASS3_DT(12:12)
0333 DATA MASS3_DT(12) /'7-CHANNEL*'/
0334
0335 CHARACTER*23 MASS4_DT(14:15)
0336 DATA MASS4_DT(14) /'TAPE DRIVE*'/
0337 DATA MASS4_DT(15) /'NOT SECTOR ADDRESSABLE*'/
0338
0339 CHARACTER*12 MASS1_TC(3:3)
0340 DATA MASS1_TC(3) /'EVEN PARITY*'/
0341
0342 CHARACTER*13 MASS1_FORMAT(0:2)
0343 DATA MASS1_FORMAT(0) /'10-CORE DUMP*'/
0344 DATA MASS1_FORMAT(1) /'15-CORE DUMP*'/
0345 DATA MASS1_FORMAT(2) /'10-COMPATIBLE*'/
0346
0347 CHARACTER*13 MASS2_FORMAT(12:14)
0348 DATA MASS2_FORMAT(12) /'11-NORMAL*'/
0349 DATA MASS2_FORMAT(13) /'11-CORE DUMP*'/
0350 DATA MASS2_FORMAT(14) /'15-NORMAL*'/
0351
0352 CHARACTER*9 MASS_DENSITY(3:4)
0353 DATA MASS_DENSITY(3) /'800 NRZI*'/
0354 DATA MASS_DENSITY(4) /'1600 PE*'/
0355
0356 CHARACTER*32 MASS2_TC(12:15)
0357 DATA MASS2_TC(12) /'ENABLE ABORT ON DATA XFER ERROR*'/
0358 DATA MASS2_TC(13) /'TRANSPORT ADDRESS CHANGE*'/
0359 DATA MASS2_TC(14) /'FRAME COUNT STATUS*'/
0360 DATA MASS2_TC(15) /'ACCELERATION*'/
0361
0362 CHARACTER*24 MASS_FUNC(0:31)
0363 DATA MASS_FUNC(0) /'NO-OPERATION*'/
0364 DATA MASS_FUNC(1) /'REWIND AND SET OFF-LINE*'/
0365 DATA MASS_FUNC(2) /'ILLEGAL FUNCTION*'/
0366 DATA MASS_FUNC(3) /'REWIND*'/
0367 DATA MASS_FUNC(4) /'DRIVE CLEAR*'/
0368 DATA MASS_FUNC(5) /'ILLEGAL FUNCTION*'/
0369 DATA MASS_FUNC(6) /'ILLEGAL FUNCTION*'/
0370 DATA MASS_FUNC(7) /'ILLEGAL FUNCTION*'/
0371 DATA MASS_FUNC(8) /'READ-IN PRESET*'/
0372 DATA MASS_FUNC(9) /'ILLEGAL FUNCTION*'/
0373 DATA MASS_FUNC(10) /'ERASE*'/
0374 DATA MASS_FUNC(11) /'WRITE TAPE MARK*'/
0375 DATA MASS_FUNC(12) /'SPACE FORWARD*'/
0376 DATA MASS_FUNC(13) /'SPACE REVERSE*'/
0377 DATA MASS_FUNC(14) /'ILLEGAL FUNCTION*'/
0378 DATA MASS_FUNC(15) /'ILLEGAL FUNCTION*'/
0379 DATA MASS_FUNC(16) /'ILLEGAL FUNCTION*'/
0380 DATA MASS_FUNC(17) /'ILLEGAL FUNCTION*'/
0381 DATA MASS_FUNC(18) /'ILLEGAL FUNCTION*'/
0382 DATA MASS_FUNC(19) /'ILLEGAL FUNCTION*'/
0383 DATA MASS_FUNC(20) /'WRITE CHECK FORWARD*'/
0384 DATA MASS_FUNC(21) /'ILLEGAL FUNCTION*'/
0385 DATA MASS_FUNC(22) /'ILLEGAL FUNCTION*'/
0386 DATA MASS_FUNC(23) /'WRITE CHECK REVERSE*'/
    
```

```

0387 DATA MASS_FUNC(24) /*WRITE FORWARD*/
0388 DATA MASS_FUNC(25) /*ILLEGAL FUNCTION*/
0389 DATA MASS_FUNC(26) /*ILLEGAL FUNCTION*/
0390 DATA MASS_FUNC(27) /*ILLEGAL FUNCTION*/
0391 DATA MASS_FUNC(28) /*READ FORWARD*/
0392 DATA MASS_FUNC(29) /*ILLEGAL FUNCTION*/
0393 DATA MASS_FUNC(30) /*ILLEGAL FUNCTION*/
0394 DATA MASS_FUNC(31) /*READ REVERSE*/
0395
0396
0397 CALL FRCTOF (LUN)
0398
0399 call dhead1 (lun,'MASSBUS')
0400
0401 DRIVE_FUNC=LIB$EXTZV(1,5,DRIVE_CS1)
0402
0403 if (
0404 1 emb$w_dv_bcnc .ne. 0
0405 1 .and.
0406 1 drive_func .ge. xfer_cmd
0407 1 .and.
0408 1 emb$w_hd_entry .ne. 98
0409 1 ) then
0410
0411 call mba_control_registers (lun,5,adapter_registers,
0412 1 selected_mapping_register)
0413
0414 call mba_mapping_register (lun,selected_mapping_register,
0415 1 adapter_registers(6))
0416
0417 if (selected_mapping_register .gt. 0) then
0418
0419 call mba_mapping_register (lun,(selected_mapping_register - 1),
0420 1 adapter_registers(7))
0421 endif
0422 endif
0423
0424 diagnostic_mode = .false.
0425
0426 if (lib$extzv(0,1,drive_mr) .eq. 1) diagnostic_mode = .true.
0427
0428 C
0429 C
0430 C
0431
0432 CALL LINCHK (LUN,2)
0433
0434 WRITE(LUN,75) DRIVE_CS1
0435 75 FORMAT(/' ',T8,'TMC51',T24,Z8.8)
0436
0437 if (.not. diagnostic_mode) then
0438
0439 call mba_status_register16_31 (lun,drive_cs1,drive_cs1,0)
0440
0441 CALL OUTPUT (LUN,DRIVE_CS1,MASS1_CS1,0,0,0,'0')
0442
0443 CALL LINCHK (LUN,1)
    
```

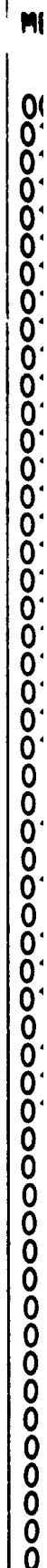
```
0444
0445 FIELD=LIBSEXTZV(1,5,DRIVE_CS1)
0446
0447 WRITE(LUN,100) MASS_FUNC(FIELD)
0448 100 FORMAT(' ',T40,A<COMPRESSC (MASS_FUNC(FIELD))>>)
0449
0450 CALL OUTPUT (LUN,DRIVE_CS1,MASS2_CS1,11,11,11,'0')
0451 endif
0452
0453 C
0454 C 'DS' REGISTER
0455 C
0456
0457 CALL LINCHK (LUN,1)
0458
0459 WRITE(LUN,125) DRIVE_DS
0460 125 FORMAT(' ',T8,'TMS',T24,Z8.8)
0461
0462 if (.not. diagnostic_mode) then
0463
0464 call mba_status_register16_31 (lun,drive_cs1,drive_ds,1)
0465
0466 CALL OUTPUT (LUN,DRIVE_DS,MASS1_DS,0,0,8,'0')
0467
0468 CALL OUTPUT (LUN,DRIVE_DS,MASS2_DS,10,10,15,'0')
0469 endif
0470
0471 C
0472 C 'ER' REGISTER
0473 C
0474
0475 CALL LINCHK (LUN,1)
0476
0477 WRITE(LUN,140) DRIVE_ER
0478 140 FORMAT(' ',T8,'TMR',T24,Z8.8)
0479
0480 if (.not. diagnostic_mode) then
0481
0482 call mba_status_register16_31 (lun,drive_ds,drive_er,1)
0483
0484 CALL OUTPUT (LUN,DRIVE_ER,MASS1_ER,0,0,5,'0')
0485
0486 FIELD=LIBSEXTZV(10,1,DRIVE_TC)
0487
0488 IF (FIELD .EQ. 1600_BPI) THEN
0489
0490 CALL OUTPUT (LUN,DRIVE_ER,PE1_ER,6,6,7,'0')
0491 ELSE
0492
0493 CALL OUTPUT (LUN,DRIVE_ER,NRZ11_ER,6,6,7,'0')
0494 ENDIF
0495
0496 CALL OUTPUT (LUN,DRIVE_ER,MASS2_ER,8,8,9,'0')
0497
0498 IF (FIELD .EQ. 1600_BPI) THEN
0499
0500 CALL OUTPUT (LUN,DRIVE_ER,PE2_ER,10,10,10,'0')
```



```

0501 ELSE
0502
0503 CALL OUTPUT (LUN,DRIVE_ER,NRZ12_ER,10,10,10,'0')
0504 ENDIF
0505
0506 CALL OUTPUT (LUN,DRIVE_ER,MASS3_ER,11,11,14,'0')
0507
0508 IF (FIELD .EQ. 1600_BPI) THEN
0509
0510 CALL OUTPUT (LUN,DRIVE_ER,PE3_ER,15,15,15,'0')
0511 ELSE
0512
0513 CALL OUTPUT (LUN,DRIVE_ER,NRZ13_ER,15,15,15,'0')
0514 ENDIF
0515 endif
0516
0517 C
0518 C 'MR' REGISTER
0519 C
0520
0521 CALL LINCHK (LUN,1)
0522
0523 WRITE(LUN,150) DRIVE_MR
0524 150 FORMAT(' ',T8,'TMR',T24,Z8.8)
0525
0526 if (.not. diagnostic_mode) then
0527
0528 call mba_status_register16_31 (lun,drive_er,drive_mr,1)
0529 else
0530
0531 CALL LINCHK (LUN,1)
0532
0533 WRITE(LUN,160)
0534 160 FORMAT(' ',T40,'DIAGNOSTIC MODE')
0535 endif
0536
0537 C
0538 C 'AS' REGISTER
0539 C
0540
0541 CALL LINCHK (LUN,1)
0542
0543 WRITE(LUN,175) DRIVE_AS
0544 175 FORMAT(' ',T8,'TAS',T24,Z8.8)
0545
0546 if (.not. diagnostic_mode) then
0547
0548 call mba_status_register16_31 (lun,drive_mr,drive_as,1)
0549
0550 DO 184 I=0,7
0551
0552 if (lib$extzv(i,1,drive_as) .eq. 1) then
0553
0554 CALL LINCHK (LUN,1)
0555
0556 WRITE(LUN,183) I
0557 183 FORMAT(' ',T40,'ATTENTION UNIT ',I1,'.')

```



```
0558      endif
0559
0560      184      CONTINUE
0561      endif
0562
0563      C
0564      C      'FC' REGISTER
0565      C
0566
0567      CALL LINCHK (LUN,1)
0568
0569      WRITE(LUN,185) DRIVE_FC
0570      185      FORMAT(' ',T8,'TMFC',T24,Z8.8)
0571
0572      if (.not. diagnostic_mode) then
0573
0574      call mba_status_register16_31 (lun,drive_as,drive_fc,1)
0575      endif
0576
0577      C
0578      C      'DT' REGISTER
0579      C
0580
0581      CALL LINCHK (LUN,1)
0582
0583      WRITE(LUN,200) DRIVE_DT
0584      200      FORMAT(' ',T8,'TMDT',T24,Z8.8)
0585
0586      if (.not. diagnostic_mode) then
0587
0588      call mba_status_register16_31 (lun,drive_fc,drive_dt,1)
0589
0590      FIELD=LIBSEXTZV(0,3,DRIVE_DT)
0591
0592      IF (FIELD .EQ. 0) THEN
0593
0594      CALL LINCHK (LUN,1)
0595
0596      215      WRITE(LUN,215)
0597      FORMAT(' ',T40,'TRANSPORT NOT SELECTED')
0598      ELSE
0599
0600      CALL OUTPUT (LUN,DRIVE_DT,MASS1_DT,0,0,3,'0')
0601      ENDIF
0602
0603      CALL LINCHK (LUN,1)
0604
0605      FIELD=LIBSEXTZV(5,1,DRIVE_DT)
0606
0607      225      WRITE(LUN,225) MASS_DT5(FIELD)
0608      FORMAT(' ',T40,A<COMPRESSC (MASS_DT5(FIELD))>>)
0609
0610      CALL OUTPUT (LUN,DRIVE_DT,MASS2_DT,10,10,10,'0')
0611
0612      CALL OUTPUT (LUN,DRIVE_DT,MASS3_DT,12,12,12,'0')
0613
0614      CALL OUTPUT (LUN,DRIVE_DT,MASS4_DT,14,14,15,'0')
```

```
0615      endif
0616
0617      C
0618      C      'CK' REGISTER
0619      C
0620
0621      CALL LINCHK (LUN,1)
0622
0623      WRITE(LUN,325) DRIVE_CK
0624      325  FORMAT(' ',T8,'TMCK',T24,Z8.8)
0625
0626      if (.not. diagnostic_mode) then
0627
0628      call mba_status_register16_31 (lun,drive_dt,drive_ck,1)
0629
0630      FIELD=LIBSEXTZV(10,1,DRIVE_TC)
0631
0632      IF (FIELD .EQ. 1600_BPI) THEN
0633
0634      DO 340 I=0,8
0635
0636      if (libsextzv(i,1,drive_ck) .eq. 1) then
0637
0638      CALL LINCHK (LUN,1)
0639
0640      IF (I .LE. 7) THEN
0641
0642      WRITE(LUN,330) I
0643      330  FORMAT(' ',T40,'DEAD TRACK CHANNEL ',I1,'.')
0644      ELSE
0645
0646      WRITE(LUN,335)
0647      335  FORMAT(' ',T40,'DEAD TRACK PARITY CHANNEL')
0648      ENDIF
0649      endif
0650
0651      340  CONTINUE
0652      ENDIF
0653      endif
0654
0655      C
0656      C      'SN' REGISTER
0657      C
0658
0659      CALL LINCHK (LUN,1)
0660
0661      WRITE(LUN,350) DRIVE_SN
0662      350  FORMAT(' ',T8,'TMSN',T24,Z8.8)
0663
0664      if (.not. diagnostic_mode) then
0665
0666      call mba_status_register16_31 (lun,drive_ck,drive_sn,1)
0667      endif
0668
0669      C
0670      C      'TC' REGISTER
0671      C
```

```
0672
0673     CALL LINCHK (LUN,1)
0674
0675     WRITE(LUN,375) DRIVE_TC
0676 375   FORMAT(' ',T8,'TMTCT',T24,Z8.8)
0677
0678     if (.not. diagnostic_mode) then
0679
0680     call mba_status_register16_31 (lun,drive_sr,drive_tc,1)
0681
0682     CALL LINCHK (LUN,1)
0683
0684     FIELD=LIBSEXTZV(0,3,DRIVE_TC)
0685
0686     WRITE(LUN,400) FIELD
0687 400   FORMAT(' ',T40,'TRANSPORT SELECT = ',I1,'.')
0688
0689     CALL LINCHK (LUN,1)
0690
0691     FIELD=LIBSEXTZV(4,4,DRIVE_TC)
0692
0693     IF (FIELD .LE. 2) THEN
0694
0695     WRITE(LUN,425) MASS1 FORMAT(FIELD)
0696 425   FORMAT(' ',T40,A<COMPRESSC (MASS1_FORMAT(FIELD))>>)
0697
0698     ELSE IF (FIELD .GE. 12 .AND. FIELD .LE. 14) THEN
0699
0700     WRITE(LUN,450) MASS2 FORMAT(FIELD)
0701 450   FORMAT(' ',T40,'FORMAT = '
0702     1 A<COMPRESSC (MASS2_FORMAT(FIELD))>>)
0703     ENDIF
0704
0705     CALL LINCHK (LUN,1)
0706
0707     FIELD=LIBSEXTZV(8,3,DRIVE_TC)
0708
0709     IF (FIELD .EQ. 3 .OR. FIELD .EQ. 4) THEN
0710
0711     WRITE(LUN,500) MASS_DENSITY(FIELD)
0712 500   FORMAT(' ',T40,'DENSITY = '
0713     1 A<COMPRESSC (MASS_DENSITY(FIELD))>>)
0714     ENDIF
0715
0716     CALL OUTPUT (LUN,DRIVE_TC,MASS2_TC,12,12,15,'0')
0717     endif
0718
0719     call linchk (lun,1)
0720
0721     write(lun,530)
0722 530   format(' ',:)
0723
0724     if (emb$w_hd_entry .ne. 98) then
0725
0726     call uc$b_ertcnt (lun,emb$b_dv_ertcnt)
0727
0728     call uc$b_ertmax (lun,emb$b_dv_ertmax)
```


PROGRAM SECTIONS

Name	Bytes	Attributes
0 \$CODE	2347	PIC CON REL LCL SHR EXE RD NOWRT LONG
1 \$PDATA	509	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2 \$LOCAL	4072	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
3 EMB	512	PIC OVR REL CBL SHR NOEXE RD WRT LONG
Total Space Allocated	7440	

ENTRY POINTS

Address	Type	Name
0-00000000		MASSTAPE

VARIABLES

Address	Type	Name	Address	Type	Name
2-000008A7	L*1	DIAGNOSTIC_MODE	3-0000007E	I*4	DRIVE_AS
3-0000008A	I*4	DRIVE_CK	3-0000006E	I*4	DRIVE_CS1
3-00000072	I*4	DRIVE_DS	3-00000086	I*4	DRIVE_DT
3-00000076	I*4	DRIVE_ER	3-00000082	I*4	DRIVE_FC
2-00000880	I*4	DRIVE_FUNC	3-0000007A	I*4	DRIVE_MR
3-0000008E	I*4	DRIVE_SN	3-00000092	I*4	DRIVE_TC
3-0000001C	L*1	EMBSB_DV_CLASS	3-00000010	L*1	EMBSB_DV_ERTCNT
3-00000011	L*1	EMBSB_DV_ERTMAX	3-0000003E	L*1	EMBSB_DV_NAMLNG
3-0000003A	L*1	EMBSB_DV_SLAVE	3-0000001D	L*1	EMBSB_DV_TYPE
3-00000036	I*4	EMBSL_DV_CHAR	3-00000012	I*4	EMBSL_DV_IOSB1
3-00000016	I*4	EMBSL_DV_IOSB2	3-00000026	I*4	EMBSL_DV_MEDIA
3-0000004E	I*4	EMBSL_DV_NUMREG	3-0000002E	I*4	EMBSL_DV_OPCNT
3-00000032	I*4	EMBSL_DV_OWNUIC	3-0000001E	I*4	EMBSL_DV_RQPID
3-00000000	I*4	EMBSL_HD_SID	3-0000003F	CHAR	EMBST_DV_NAME
3-00000024	I*2	EMBSW_DV_BCNT	3-00000022	I*2	EMBSW_DV_BOFF
3-0000002C	I*2	EMBSW_DV_ERRCNT	3-0000003C	I*2	EMBSW_DV_FUNC
3-0000001A	I*2	EMBSW_DV_STS	3-0000002A	I*2	EMBSW_DV_UNIT
3-00000004	I*2	EMBSW_HD_ENTRY	3-0000000E	I*2	EMBSW_HD_ERRSEQ
2-000008A8	I*4	FIELD	2-000008B4	I*4	i
AP-00000004	L*1	LUN	2-000008AC	I*4	SELECTED_MAPPING_REGISTER

ARRAYS

Address	Type	Name	Bytes	Dimensions
3-00000052	I*4	ADAPTER_REGISTERS	28	(7)
3-00000000	L*1	EMB	512	(0:511)
3-00000052	I*4	EMBSL_DV_REGSAV	420	(0:104)
3-00000006	I*4	EMBSQ_HD_TIME	8	(2)
2-00000086	CHAR	MASS1_CST	7	(0:0)
2-0000009D	CHAR	MASS1_DS	216	(0:8)
2-0000003E7	CHAR	MASS1_DT	108	(0:3)
2-000000205	CHAR	MASS1_ER	180	(0:5)

2-000004C7	CHAR MASS1_FORMAT	39	(0:2)
2-000004BB	CHAR MASS1_TC	12	(3:3)
2-0000008D	CHAR MASS2_CS1	16	(11:11)
2-00000175	CHAR MASS2_DS	144	(10:15)
2-00000471	CHAR MASS2_DT	18	(10:10)
2-0000031F	CHAR MASS2_ER	36	(8:9)
2-000004EE	CHAR MASS2_FORMAT	39	(12:14)
2-00000527	CHAR MASS2_TC	128	(12:15)
2-00000483	CHAR MASS3_DT	10	(12:12)
2-00000366	CHAR MASS3_ER	96	(11:14)
2-0000048D	CHAR MASS4_DT	46	(14:15)
2-00000515	CHAR MASS_DENSITY	18	(3:4)
2-00000453	CHAR MASS_DT5	30	(0:1)
2-00000034	CHAR MASS_ER10	36	(0:1)
2-00000058	CHAR MASS_ER15	46	(0:1)
2-00000000	CHAR MASS_ER7	52	(0:1)
2-000005A7	CHAR MASS_FUNC	768	(0:31)
2-000002EB	CHAR NRZ11_ER	52	(6:7)
2-00000354	CHAR NRZ12_ER	18	(10:10)
2-000003DD	CHAR NRZ13_ER	10	(15:15)
2-000002B9	CHAR PE1_ER	50	(6:7)
2-00000343	CHAR PE2_ER	17	(10:10)
2-000003C6	CHAR PE3_ER	23	(15:15)

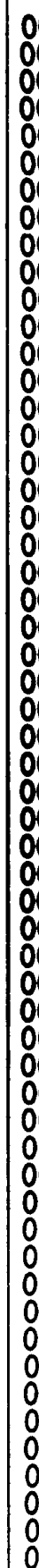
LABELS

Address	Label	Address	Label	Address	Label	Address	Label	Address	Label	Address	Label
1-00000046	75'	1-00000059	100'	1-00000065	125'	1-00000076	140'	1-00000087	150'	1-00000098	160'
1-000000AF	175'	1-000000C0	183'	**	184	1-000000DC	185'	1-000000ED	200'	1-000000FE	215'
1-0000011C	225'	1-00000128	325'	1-00000139	330'	1-00000159	335'	**	340	1-0000017A	350'
1-0000018B	375'	1-0000019C	400'	1-000001BC	425'	1-000001C8	450'	1-000001E0	500'	1-000001F8	530'

FUNCTIONS AND SUBROUTINES REFERENCED

Type	Name	Type	Name	Type	Name
1*4	COMPRESSC		DHEAD1		FRCTOF
	IRPSL_PID		IRPSQ_IOSB		IRPSW_BCNT
	IRPSW_BOFF	1*4	LIB\$EXTZV		LINCHR
	MASSTAPE_QIO		MBA_CONTROL_REGISTERS		MBA_MAPPING_REGISTER
	MBA_STATOS_REGISTER16_31		ORBSL_OWNER		OUTPUT
	UCB\$B_ERTCNT		UCB\$B_ERTMAX		UCB\$L_CHAR
	UCB\$L_OPCNT		UCB\$W_ERRCNT		UCB\$W_STS

```
0001
0002
0003
0004
0005      subroutine masstape_qio (lun,emb$w_dv_func)
0006
0007
0008
0009      include 'src$:qiocommon.for /nolist'
0273
0274
0275
0276      byte          lun
0277
0278      integer*2     emb$w_dv_func
0279
0280      integer*4     qiocode(0:1,0:63)
0281
0282
0283
0284
0285      if (qiocode(0,0) .eq. 0) then
0286      qiocode(1,00) = %loc(io$_nop)
0287      qiocode(1,01) = %loc(io$_unload)
0288
0289      qiocode(1,03) = %loc(io$_recal)
0290
0291      qiocode(1,04) = %loc(io$_drvclr)
0292
0293      qiocode(1,06) = %loc(io$_erasetape)
0294
0295      qiocode(1,08) = %loc(io$_packack)
0296
0297      qiocode(1,09) = %loc(io$_spacercord)
0298
0299      qiocode(1,10) = %loc(io$_writecheck)
0300
0301      qiocode(1,11) = %loc(io$_writepblk)
0302
0303      qiocode(1,12) = %loc(io$_readpblk)
0304
0305      qiocode(1,25) = %loc(io$_readpreset)
0306
0307      qiocode(1,26) = %loc(io$_setchar)
0308
0309      qiocode(1,27) = %loc(io$_sensechar)
0310
0311      qiocode(1,28) = %loc(io$_writemark)
0312
0313      qiocode(1,32) = %loc(io$_writelblk)
0314
0315      qiocode(1,33) = %loc(io$_readlblk)
0316
0317      qiocode(1,34) = %loc(io$_rewindoff)
0318
0319
0320
```




```
0321      qiocode(1,35) = %loc(io$_setmode)
0322
0323      qiocode(1,36) = %loc(io$_rewind)
0324
0325      qiocode(1,37) = %loc(io$_skipfile)
0326
0327      qiocode(1,38) = %loc(io$_skiprecord)
0328
0329      qiocode(1,39) = %loc(io$_sensemode)
0330
0331      qiocode(1,40) = %loc(io$_writeof)
0332
0333      qiocode(1,48) = %loc(io$_writevblk)
0334
0335      qiocode(1,49) = %loc(io$_readvblk)
0336
0337      qiocode(1,50) = %loc(io$_access)
0338
0339      qiocode(1,51) = %loc(io$_create)
0340
0341      qiocode(1,52) = %loc(io$_deaccess)
0342
0343      qiocode(1,53) = %loc(io$_delete)
0344
0345      qiocode(1,54) = %loc(io$_modify)
0346
0347      qiocode(1,56) = %loc(io$_acpcontrol)
0348
0349      qiocode(1,57) = %loc(io$_mount)
0350
0351      do 10,i = 0,63
0352
0353      qiocode(0,i) = 33
0354
0355      if (qiocode(1,i) .eq. 0) then
0356
0357      qiocode(1,i) = %loc(qio_string)
0358      endif
0359
0360 10      continue
0361      endif
0362
0363      call irp$w_func (lun,emb$w_dv_func,
0364      1 qiocode(0,lib$extzv(0,6,emb$w_dv_func)))
0365
0366      return
0367
0368      end
```