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c--

```
include 'src$:msghdr.for /nolist'  
include 'src$:devrr.for /nolist'  
  
byte lun  
  
integer*4 rcr  
integer*4 rsr  
integer*4 rddb  
integer*4 rdbc  
integer*4 rdba  
integer*4 rdcrc  
integer*4 ucb$l_lr_dpn  
integer*4 ucb$l_lr_dpr  
integer*4 ucb$l_lr_fmpr  
integer*4 ucb$l_lr_pmpr  
integer*4 ucb$l_trigblk  
integer*4 ucb$l_devdepend  
  
equivalence (emb$l_dv_regsav(0),rcr)  
equivalence (emb$l_dv_regsav(1),rsr)  
equivalence (emb$l_dv_regsav(2),rddb)  
equivalence (emb$l_dv_regsav(3),rdbc)  
equivalence (emb$l_dv_regsav(4),rdba)  
equivalence (emb$l_dv_regsav(5),rdcrc)  
equivalence (emb$l_dv_regsav(6),ucb$l_lr_dpn)  
equivalence (emb$l_dv_regsav(7),ucb$l_lr_dpr)  
equivalence (emb$l_dv_regsav(8),ucb$l_lr_fmpr)  
equivalence (emb$l_dv_regsav(8),ucb$l_lr_pmpr)  
equivalence (emb$l_dv_regsav(10),ucb$l_trigblk)  
equivalence (emb$l_dv_regsav(11),ucb$l_devdepend)  
  
integer*4 compressc  
integer*4 compress4  
integer*4 response_bits  
integer*4 current_or_last_transmitter  
integer*4 selected_map_register  
  
character*26 v1rcr(0:7)  
data v1rcr(0) /*RECEIVE DATA*/  
data v1rcr(1) /*RECEIVER INITIALIZE*/  
data v1rcr(2) /*INHIBIT ADDRESS INCREMENT*/  
data v1rcr(3) /*DATA INPUT READY*/  
data v1rcr(4) /*EXTENDED BUS ADDRESS 16*/  
data v1rcr(5) /*EXTENDED BUS ADDRESS 17*/  
data v1rcr(6) /*INTERRUPT ENABLE*/  
data v1rcr(7) /*LOAD SILO*/  
  
character*13 v2rcr(13:15)  
data v2rcr(13) /*RECEIVE WORD*/  
data v2rcr(14) /*RECEIVER NPR*/  
data v2rcr(15) /*REJECT*/  
  
character*22 v1rsr(4:15)  
data v1rsr(4) /*CHANNEL OPEN*/
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```
0387  
0388 45 write(lun,45) 'RDBA',rdba  
0389 format(' ',t8,a,t24,z8.4)  
0390  
0391 call calc_map (lun,4,rcr,rdba)  
0392  
0393 call linchk (lun,1)  
0394  
0395 50 write(lun,50) 'RDCRC',rdcrc  
0396 format(' ',t8,a,t24,z8.4)  
0397  
0398 if (emb$w_hd_entry .ne. 98) then  
0399 if (ucb$l_lr_dpn .ne. 0) then  
0400  
0401 call uba_datapath (lun,ucb$l_lr_dpn,ucb$l_lr_dpr)  
0402 endif  
0403  
0404 call calc_map2 (4,rcr,rdba,selected_map_register)  
0405  
0406 call uba_mapping (lun,selected_map_register,ucb$l_lr_fmpr)  
0407  
0408 if (  
0409 1 lib$extzv (16,16,emb$l_dv_iosb1) .gt. 512  
0410 1 .and.  
0411 1 selected_map_register .ne. 0  
0412 1 ) then  
0413  
0414 call uba_mapping (lun,(selected_map_register-1),ucb$l_lr_pmpr)  
0415 endif  
0416 endif  
0417  
0418 call linchk (lun,1)  
0419  
0420 55 write(lun,55)  
0421 format(' ',:)  
0422  
0423 call orb$l_owner (lun,emb$l_dv_ownuic)  
0424  
0425 call ucb$l_char (lun,emb$l_dv_char)  
0426  
0427 call ucb$w_sts (lun,emb$w_dv_sts)  
0428  
0429 call ucb$l_opcnt (lun,emb$l_dv_opcnt)  
0430  
0431 call ucb$w_errcnt (lun,emb$w_dv_errcnt)  
0432  
0433 call linchk (lun,i)  
0434  
0435 65 write(lun,65) ucb$l_trigblk  
0436 format(' ',t8,'UCB$[_TRIGBLK]',t24,z8.8)  
0437  
0438 if (emb$w_hd_entry .ne. 98) then  
0439  
0440 call linchk (lun,1)  
0441  
0442 write(lun,55)  
0443
```



```
0001  
0002  
0003  
0004 Subroutine PCL11R_QIO (lun,emb$w_dv_func)  
0005  
0006  
0007  
0008 include 'src$:qiocommon.for /nolist'  
0272  
0273  
0274 byte lun  
0275  
0276 integer*2 emb$w_dv_func  
0277  
0278 integer*4 qiocode(0:1,0:63)  
0279  
0280  
0281 if (qiocode(0,0) .eq. 0) then  
0282  
0283 qiocode(1,12) = %loc(io$_readpblk)  
0284  
0285 qiocode(1,33) = %loc(io$_readlblk)  
0286  
0287 do 10,i = 0,63  
0288  
0289 qiocode(0,i) = 33  
0290  
0291 if (qiocode(1,i) .eq. 0) then  
0292  
0293 qiocode(1,i) = %loc(qio_string)  
0294 endif  
0295  
0296 10 continue  
0297 endif  
0298  
0299 call irp$w_func (lun,emb$w_dv_func,  
0300 1 qiocode(0,lib$extzv(0,6,emb$w_dv_func)))  
0301  
0302 return  
0303  
0304 end
```

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PROGRAM SECTIONS

Name	Bytes	Attributes
0 \$CODE	111	PIC CON REL LCL SHR EXE RD NOWRT LONG
1 \$PDATA	8	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2 \$LOCAL	548	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
3 \$IOCOMMON	1247	PIC OVR REL GBL SHR NOEXE RD WRT LONG
Total Space Allocated		1914

ENTRY POINTS

Address	Type	Name
0-00000000		PCL11R_Q10

VARIABLES

Address	Type	Name	Address	Type	Name
AP-00000008a	1*2	EMBSW DV FUNC	2-00000200	1*4	I
3-00000442	CHAR	IOS_ABORT	3-0000034D	CHAR	IOS_ACCESS
3-000003C2	CHAR	IOS_ACPCONTROL	3-000004B3	CHAR	IOS_AVAILABLE
3-00000297	CHAR	IOS_CLEAN	3-00000369	CHAR	IOS_CREATE
3-00000385	CHAR	IOS_DEACCESS	3-00000393	CHAR	IOS_DELETE
3-0000026D	CHAR	IOS_DIAGNOSE	3-00000065	CHAR	IOS_DRVCLR
3-000004CB	CHAR	IOS_DSE	3-000000A9	CHAR	IOS_ERASETAPE
3-00000276	CHAR	IOS_FORMAT	3-00000071	CHAR	IOS_INITIALIZE
3-00000014	CHAR	IOS_LOADMCODE	3-000003A1	CHAR	IOS_MODIFY
3-000003E2	CHAR	IOS_MOUNT	3-00000000	CHAR	IOS_NOP
3-0000009D	CHAR	IOS_OFFSET	3-000000EB	CHAR	IOS_PACKACK
3-000000E0	CHAR	IOS_QSTOP	3-000003EF	CHAR	IOS_RDSTATS
3-00000421	CHAR	IOS_READCSR	3-00000169	CHAR	IOS_READHEAD
3-000002B6	CHAR	IOS_READLBLK	3-0000013F	CHAR	IOS_READPBLK
3-00000200	CHAR	IOS_READPRESET	3-00000195	CHAR	IOS_READTRACKD
3-0000033A	CHAR	IOS_READVBLK	3-0000045A	CHAR	IOS_READWTHBUF
3-00000484	CHAR	IOS_READWTHXBUF	3-0000004D	CHAR	IOS_RECAL
3-0000007C	CHAR	IOS_RELEASE	3-000001AB	CHAR	IOS_REREADN
3-000001B8	CHAR	IOS_REREADP	3-000000CA	CHAR	IOS_RETCENTER
3-000002E6	CHAR	IOS_REWIND	3-000002C9	CHAR	IOS_REWINDOFF
3-000000FC	CHAR	IOS_SEARCH	3-00000024	CHAR	IOS_SEEK
3-00000231	CHAR	IOS_SENSECHAR	3-00000309	CHAR	IOS_SENSEMODE
3-0000021D	CHAR	IOS_SETCHAR	3-000003B8	CHAR	IOS_SETCLOCK
3-00000088	CHAR	IOS_SETCLOCKP	3-000002DD	CHAR	IOS_SETMODE
3-000002ED	CHAR	IOS_SKIPFILE	3-000002FA	CHAR	IOS_SKIPRECORD
3-00000029	CHAR	IOS_SPACEFILE	3-0000010E	CHAR	IOS_SPACERECORD
3-000003D7	CHAR	IOS_STARTDATA	3-000000B4	CHAR	IOS_STARTDATAP
3-00000037	CHAR	IOS_STARTMPROC	3-0000020F	CHAR	IOS_STARTSPNDL
3-00000059	CHAR	IOS_STOP	3-0000000D	CHAR	IOS_UNLOAD
3-00000468	CHAR	IOS_WRITEBUFNCRC	3-0000011E	CHAR	IOS_WRITECHECK
3-000001E4	CHAR	IOS_WRITECHECKM	3-000003FF	CHAR	IOS_WRITECSR
3-00000153	CHAR	IOS_WRITEHEAD	3-000002A2	CHAR	IOS_WRITELBLK
3-00000247	CHAR	IOS_WRITEMARK	3-00000314	CHAR	IOS_WRITEOF
3-0000012A	CHAR	IOS_WRITEPBLK	3-000001C9	CHAR	IOS_WRITEPET

3-0000017E CHAR IOS_WRITETRACKD
 3-00000448 CHAR IOS_WRITEWITHBUF
 AP-00000004a L*1 LUN

3-00000326 CHAR IOS_WRITEVBLK
 3-00000257 CHAR IOS_WRTTMKR
 3-000004A1 CHAR Q10_STRING

ARRAYS

Address	Type	Name	Bytes	Dimensions
2-00000000	I*4	Q10CODE	512	(0:1, 0:63)

LABELS

Address	Label
**	10

FUNCTIONS AND SUBROUTINES REFERENCED

Type	Name	Type	Name
	IRPSW_FUNC	I*4	LIB\$EXTZV

COMMAND QUALIFIERS

FORTRAN /LIS=LIS\$:PCL11R/OBJ=OBJ\$:PCL11R MSRC\$:PCL11R
 /CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)
 /DEBUG=(NOSYMBOLS,TRACEBACK)
 /STANDARD=(NOSYNTAX,NOSOURCE FORM)
 /SHOW=(NOPREPROCESSOR,NOINCLUDE,MAP)
 /F77 /NOG_FLOATING /I4 /OPTIMIZE /WARNINGS /NOD_LINES /NOCROSS_REFERENCE /NOMACHINE_CODE /CONTINUATIONS=19

COMPILATION STATISTICS

Run Time: 5.69 seconds
 Elapsed Time: 17.88 seconds
 Page Faults: 187
 Dynamic Memory: 193 pages

