

Minimum System from PRIMARY.ANS file. Console connected to ASIC board. 7958A disc on HP-IB address 2.

(From System Generation and Installation manual 92077-90034)

* 223 right CTU port 1
* 130-137 12040A/B/C 8-channel MUX 23B
* Free lus:
* 2-4, 20-23, 25-27, 29, 31, 38, 49, 56-58,
* 64-69, 70-78, 83, 86-89, 90, 97-99, 101-109, 114-119, 140-210,
* 214-219, 220, 224-255.

--- *!REMOVE!links,cp,, Use current page links
* System Relocation
--- *!REMOVE!er,, Echo errors to the terminal
--- *!REMOVE!le,off, Do not list the module entry points
--- *!REMOVE!re /rte_a/%vctr,, Entry points
--- *!REMOVE!tg 950 Number of tags required
--- *!REMOVE!re /rte_a/%mapos,, Partitioned OS tag routines

Must have for all systems

250

#####
#
If you use an RPL file for a hardware configuration with
fewer features than yours, your system will not be performing
as well as it could. You may not use an RPL file for a
hardware configuration with more features than yours.
#
Choose the correct RPL file for your system from the
choices below and remove the "*" in front of it.
#
#####

Table with 4 columns: RPL FILE, PROCESSOR TYPE, CDS, DOUBLE PRECISION FLOATING POINT. Rows include configurations for processors A400, A600, A700, A900, and A990.

This is the selection for the A990. Select a different RPL file if you have a different CPU.

#####
#
For A900 with either NS/1000 or %envrn, choose either
rpl_a900_rev4.rel (rev.4 firmware or later) or
xmb.rel (pre rev.4 firmware)
#
#####
*re /rte_a/rpl_a900_rev4.rel

G-14 Example System Generation Answer File

```

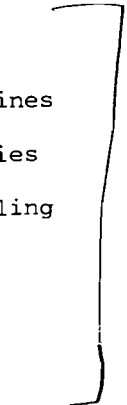
*re /rte_a/xmb.rel,mb02      For NS/1000 with A900 pre rev.4 firmware only
*re /rte_a/xmb.rel,mb12      For either NS/1000 or %envrn with
*                               A900 pre rev.4 firmware only
*re /rte_a/xmb.rel,mb01      For %envrn with A900 pre rev.4 firmware only
*re /rte_a/xmb.rel,mb10      For %envrn with A900 pre rev.4 firmware only
*re /rte_a/xmb.rel,mb21      For %envrn with A900 pre rev.4 firmware only

```

```

- *!REMOVE!re /rte_a/%exec,,      EXEC request processing
- *!REMOVE!re /rte_a/%rtioa,,      Real-Time I/O control
- *!REMOVE!re /rte_a/%iomod,,      I/O module
- *!REMOVE!re /rte_a/%maps,,      Dynamic mapping system routines
- *!REMOVE!re /rte_a/%progs,,      Program state processing
- *!REMOVE!re /rte_a/%util,,      System variables and utilities
- *!REMOVE!re /rte_a/%sam,,      System available memory
- *!REMOVE!re /rte_a/%sched,,      Programmatic program scheduling
- *!REMOVE!re /rte_a/%strng,,      Runstring passing
- *!REMOVE!re /rte_a/%erlog,,      Error logging
- *!REMOVE!re /rte_a/%opmsg,,      Operating system messages
- *!REMOVE!re /rte_a/%sycom,,      Operator commands
- *!REMOVE!re /rte_a/%id*43,,      Power-fail driver
- *!REMOVE!re /rte_a/%$IDRPL,,      System ID dup IDRPL
- *!REMOVE!re /rte_a/%signl,,      Signal processing module
*!YESVC+!re /vcplus/secos.rel,,    Security/1000 module
*!YESVC+!re /vcplus/check.rel,,    Security/1000 module
*!YESVC+!re /vcplus/%spool,,      Spooling module

```



Must have

```

*
* #####
* # If you are using an A600 (not an A600+) WITHOUT CDS, then #
* # the following paragraph applies. If you are using any #
* # other type of A-Series processor, (A400 with or without #
* # CDS, A600+, A700 or A900) then the following paragraph #
* # does NOT apply. #
* # #
* # The two routines .DMP and .DDI must be relocated here #
* # because they are required by code that is in the O.S. #
* # partitions. You cannot do library searches for code in #
* # O.S. partitions. This is required ONLY when using an #
* # A600 (using %RPL60). If you are using any other RPL, #
* # these modules will cause duplicate entry point errors #
* # if included in the generation. #
* # #
* #####

```

```

*!RPL60_!re /rte_a/$math,.dmp      Required for A600 (not A600+) (RPL60)
*!RPL60_!re /rte_a/$math,.ddi      Required for A600 (not A600+) (RPL60)

```

```

- *!REMOVE!se /rte_a/$syslb,,      Search the system library

```



Must have

```

* define partitionable modules
- *!REMOVE!pa perr,xcmd,stat,dsq,vema,lock,load,memry,iorg
- *!REMOVE!pa time,class,abort,alarm
*!YESVC+!pa cdsfh,envrn
*!YES_NS!pa nsabp

```

```

* #####

```

Like number of the answer file.
 This is here to help with EDIT in screen mode.

350

```

*      #
*      # If you want to include the dummy version of a partitionable #
*      # module from $$SYSA.LIB, remove the module from the PA module #
*      # list above as well as from the OS partition relocation phase #
*      # below. For example, if you do not want NS/1000, you can #
*      # remove DSQ from the first PA command above and leave the #
*      # relocation statement of DSQ commented out below. #
*      #
*      #####
*
- *!REMOVE!ms /rte_a/$sysa,,      Search the system dummy library
*
- *!REMOVE!end,                  End system relocation phase
*
* OS module/Driver partition phase
*
- *!REMOVE!re /rte_a/%load,,     Program loading and swapping
- *!REMOVE!end
*
- *!REMOVE!re /rte_a/%memry,,    Memory management module
- *!REMOVE!end
*
- *!REMOVE!re /rte_a/%iorq,,    I/O request processing
- *!REMOVE!end
*
- *!REMOVE!re /rte_a/%lock,,    LU locking and resource numbers
- *!REMOVE!re /rte_a/%time,,    Time scheduling of programs
- *!REMOVE!end
*
- *!REMOVE!re /rte_a/%class,,   Class I/O module
- *!REMOVE!end
*
- *!REMOVE!re /rte_a/%xcmd,,    Operator command extension module
- *!REMOVE!re /rte_a/%stat,,   Status command module
- *!REMOVE!re /rte_a/%dsq,,    NS/1000 module
- *!REMOVE!end
*
- *!YESVC+!re /vcplus/%cdsfh,,  For CDS systems only
- *!REMOVE!al,                  Align next module
- *!REMOVE!re /rte_a/%perr,,   Parity error handler
- *!REMOVE!re /rte_a/%vema,,   Virtual memory module
- *!REMOVE!end
*
- *!YESVC+!re /vcplus/%envrn,,  EXEC interface to Environment Var Block
- *!REMOVE!re /rte_a/%alarm,,  Timer signal processing module
- *!REMOVE!end
*
- *!REMOVE!re /rte_a/%abort,,   Abort processing module
- *!YES_NS!re /ns1000/rel/nsabp.rel,, NS-ARPA abort processor
- *!REMOVE!end
*
* Driver partitions
*
- *!REMOVE!re /rte_a/ddq30.rel,, Device driver for SCSI disks
- *!REMOVE!end
*
- *!REMOVE!re /rte_a/ddq24.rel,, Device driver for SCSI DAT tape
- *!REMOVE!end

```

Must have

only if you have these SCSI devices

```

*
*!REMOVE!re /rte_a/idq35.rel,,      SCSI interface drvier
*!REMOVE!end
*
- *!REMOVE!re /rte_a/%dd*33,,      Device driver for CS/80 disks
- *!REMOVE!end
*
*!YES_NS!re /rte_a/idz00.rel,,      Telnet driver
*!YES_NS!end
*
*!YES_NS!re /rte_a/%id*67,,        LAN: interface driver for IEEE802.
*!YES_NS!end
*
- *!REMOVE!re /rte_a/%id*37,,      Interface driver for CS/80 disks
- *!REMOVE!end
*
*!REMOVE!re /rte_a/id400.rel,,      Interface driver for A400 OBIO
*!REMOVE!end
*
*!REMOVE!re /rte_a/%idm00,,        Interface driver for 12040 rev A-C
*!REMOVE!re /rte_a/%dd*23,,        Device driver for magnetic tape
*!REMOVE!end
*
*!REMOVE!re /rte_a/%dd*00,,        Device driver for %idm00
*!REMOVE!re /rte_a/%dd*30,,        Device driver for disks (ICD)
*!REMOVE!end
*
*!YES_NS!re /ns1000/dsrel/%adv00,,  device driver for NS/1000
*!YES_NS!end
*
*!REMOVE!re /rte_a/id800.rel,,      Interface driver for 12040D 8-channel MUX
*!REMOVE!re /rte_a/%dd*12,,        Device driver for HP-IB line printer
*!REMOVE!end
*
* #####
* #
* # If you want to use slaved devices (such as printers) or CTUs #
* # connected to your terminal, use DDC01.REL instead of DDC00.REL.#
* # Refer to the RTE-A System Generation and Installation manual, #
* # part no. 92077-90034. #
* #
* #####
*
- *!REMOVE!re /rte_a/ddc01.rel,,    Device driver for 100 series interfaces
- *!REMOVE!end
*
450 *!REMOVE!re /rte_a/%ddc12,,      Device driver for HP-IB line printer
*!REMOVE!end
*
*!REMOVE!re /rte_a/%id*27,,        Interface driver for 248X integrated disk
*!REMOVE!re /rte_a/%dd*24,,        Device driver for 7974A/78A streaming tape
*!REMOVE!end
*
- *!REMOVE!re /rte_a/id100.rel,,    Interface driver for 12005 ASIC card
*!REMOVE!re /rte_a/%id*50,,        Interface driver for parallel card
- *!REMOVE!end
*
- *!REMOVE!end,,                  End OS module/Driver partition phase

```

You want these if your system has HP-IB discs.

only if you have old MUX card(s).

only if you have pre HP-IB discs.

Most multi-user systems will have.

must have.

select if you have HP-IB printer

must have if your console is connected to ASIC card.

Example System Generation Answer File G-17

* "100 series interfaces" does not mean interfaces that connect to HP 100 series computers (like the 150). It means the ASIC card and others.

```

*
*
* Table Generation phase - configure LU tables
*
*
* HP-IB #1 -- High speed disk interface bus          Select Code = 27b
* SCSI #1 -- SCSI disk/DAT tape interface bus
*
*!REMOVEHPIB!ift,/rte_a/%Id*37,SC:27B
*
*!REMOVE SCSI!ift,/rte_a/idq35.rel,SC:27B
*
* SCSI DAT tape                                     LU 14
* SCSI 7980S                                         LU 5
*
*!REMOVE SCSI!dvt,/rte_a/ddq24_gen.rel,,lu:14,dp:1:3
*!REMOVE SCSI!dvt,/rte_a/ddq24_gen.rel,M7980,lu:5,dp:1:4
*
* SCSI hard disk
*
*!REMOVE SCSI!dvt,/rte_a/ddq30_gen.rel,m64mb:0,lu:10,dp:1:6 dp:8:1
*!REMOVE SCSI!dvt,/rte_a/ddq30_gen.rel,m64mb:1,lu:11,dp:1:6 dp:8:1
*
* SCSI 650A MO disk
*
*!REMOVE SCSI!dvt,/rte_a/ddq30_gen.rel,m64mb:0,lu:12,dp:1:5 dp:8:3
*!REMOVE SCSI!dvt,/rte_a/ddq30_gen.rel,m64mb:1,lu:13,dp:1:5 dp:8:3
*
* SCSI floppy single sided                          LU 50
*
*!REMOVE SCSI!dvt,/rte_a/ddq30_gen.rel,m16mb:0,lu:50,dp:1:0:0:0:0:0,-
*!REMOVE SCSI! dp:6:66:16:0
*
* SCSI floppy double sided                          LU 51
*
*!REMOVE SCSI!dvt,/rte_a/ddq30_gen.rel,m16mb:0,lu:51,dp:1:0:0:0:0:0,-
*!REMOVE SCSI! dp:6:154:16:0
*
*
*
500 *****
* #
* # The bus controller dvt is needed only if Direct I/O to the #
* # device is being done. #
* # #
* *****
* Bus Controller LU                               HP-IB address 36b
*                                                  LU 15
*
*!REMOVEHPIB!dvt,,LU:15,TO:2000,DT:37B,TX:0,DX:1,DP:1:36B,PR:0
*
* HP-IB disk                                       HP-IB address 0
*                                                  LU 18-19
*
*!REMOVEHPIB!dvt,/rte_a/%dd*33,M7908_CF:0,LU:18,DP:1:0,-
*!REMOVEHPIB! DP:2:0:0:00:0:4096 DP:7:64
*!REMOVEHPIB!dvt,/rte_a/%dd*33,M7908_CF:0,LU:19,DP:1:0,-
*!REMOVEHPIB! DP:2:0:0:04:0:4096 DP:7:64

```

only needed if you have SCSI devices.

```

*
*
* 9144/5 standalone CS-80 cartridge tape                HP-IB address 1
*                                                       LU 9
*
*!REMOVEHPIB!dvt,/rte_a/%dd*33,M9144:0,LU:9,DP:1:1
*
* HP-IB disk (20MB)                                    HP-IB address 2
*                                                       LU 30
*
*!REMOVEHPIB20!dvt,/rte_a/%dd*33 m79578_cf:0 lu:30 dp:1:2 dp:2:0:0:00:0:1215,-
*!REMOVEHPIB20! dp:7:64
*
* Single-sided floppy                                  HP-IB address 2
*                                                       LU 53
*
*!REMOVEHPIB20!dvt,/rte_a/%dd*33,M_FLOPPY_CF:1,LU:53,DP:1:2:400b:0:0:0,-
*!REMOVEHPIB20! DP:6:66:16:0
*
* Double-sided floppy                                  HP-IB address 2
*                                                       LU 54
*
*!REMOVEHPIB20!dvt,/rte_a/%dd*33,M_FLOPPY_CF:1,LU:54,DP:1:2
*
* CS-80 compatible cartridge tape with cache          HP-IB address 2
* size of disk cache is 256 physical blocks           LU 24
* starting block address of disk cache is 77760
*
*!REMOVEHPIB20!dvt,/rte_a/%dd*33,mtape,lu:24,dp:1:2 dp:4:1:12224
*
*
* HP-IB disk(64MB)                                    HP-IB address 2
*                                                       LU 16-17
*
*!REMOVEHPIB64!dvt,/rte_a/%dd*33,M7908_CF:0,LU:16,DP:1:2,-
*!REMOVEHPIB64! DP:2:0:0:00:0:4096 DP:7:64
*!REMOVEHPIB64!dvt,/rte_a/%dd*33,M7908_CF:0,LU:17,DP:1:2,-
*!REMOVEHPIB64! DP:2:0:0:04:0:4096 DP:7:64
*
* CS-80 compatible cartridge tape with cache          HP-IB address 2
* size of disk cache is 256 physical blocks           LU 24
* starting block address of disk cache is 262144
*
*!REMOVEHPIB64!dvt,/rte_a/%dd*33,mtape,lu:24,dp:1:2 dp:4:4:0
*
*
* 7974A/7978A streaming tape drive                    HP-IB address 3
*                                                       LU 7
*
*!REMOVEHPIB!dvt,/rte_a/%dd*24,M7974:0,LU:7,DP:1:3
*
* 5.25" Winchester fixed disk (9133/4 XV)           HP-IB address 4
*                                                       LU 44-47
*
*!REMOVEHPIB!dvt,/rte_a/%dd*30,M9134X:0,LU:44,DP:1:4
*!REMOVEHPIB!dvt,/rte_a/%dd*30,M9134X:1,LU:45,DP:1:4
*!REMOVEHPIB!dvt,/rte_a/%dd*30,M9134X:2,LU:46,DP:1:4

```

Use this modified selection if your system disc is a 7958A. See manual Appendix E for other disc driver names.

```

*!REMOVEHPIB!dvt,/rte_a/%dd*30,M9134X:3,LU:47,DP:1:4
*
* flexible disk (9122D)                                HP-IB address 5
*                                                       LU 36-37
*
*!REMOVEHPIB!dvt,/rte_a/%dd*33,m_floppy_cf:0,lu:36,DP:1:5
*!REMOVEHPIB!dvt,/rte_a/%dd*33,m_floppy_cf:1,lu:37,DP:1:5
*
* 5.25" and 3.5" flexible disks (9121)                HP-IB address 6
*                                                       LU 32-33
*
*!REMOVEHPIB!dvt,/rte_a/%dd*30,M9121:0,LU:32,DP:1:6,TO:3000
*!REMOVEHPIB!dvt,/rte_a/%dd*30,M9121:1,LU:33,DP:1:6,TO:3000
*
* 3.5" flexible disk (9133H)                          HP-IB address 7
*                                                       LU 61
*
*!REMOVEHPIB!dvt,/rte_a/%dd*33,M_FLOPPY_CF:1,LU:61,DP:1:7
*
* 5.25" Winchester fixed disk (9133H/9134H)          HP-IB address 7
*                                                       LU 41-43
*
600 *!REMOVEHPIB!dvt,/rte_a/%dd*33,M9133_CF:0,LU:41,DP:1:7
*!REMOVEHPIB!dvt,/rte_a/%dd*33,M9133_CF:1,LU:42,DP:1:7
*!REMOVEHPIB!dvt,/rte_a/%dd*33,M9133_CF:2,LU:43,DP:1:7
*
* HP-IB #2 -- Low speed mag tape bus                    Select Code = 26b
*
*!REMOVE!ift,/rte_a/%Id*37,SC:26B
*
* Bus Controller LU                                    HP-IB address 36b
*                                                       LU 40
*
*!REMOVE!dvt,,,LU:40,TO:2000,DT:37B,TX:0,DX:1,DP:1:36B,PR:0
*
* 7970 tape drive                                      HP-IB address 4
*                                                       LU 8
*
*!REMOVE!dvt,/rte_a/%dd*23,M7970E:0,LU:8,DP:1:4,PR:1
*
* 7970 tape drive                                      HP-IB address 6
*                                                       LU 28
*
*!REMOVE!dvt,/rte_a/%dd*23,M7970E:0,LU:28,DP:1:6,PR:1
*
* HP-IB #3 -- High speed mag tape bus                    Select Code = 31b
*
*!REMOVE!ift,/rte_a/%Id*37,SC:31B
*
* Bus Controller LU                                    HP-IB address 36B
*                                                       LU 48
*
*!REMOVE!dvt,,,LU:48,TO:2000,DT:37B,TX:0,DX:1,DP:1:36B,PR:0
*
*

```

```

* 7974A/7978A streaming tape drive          HP-IB address 5
*                                           LU 34
*
*!REMOVE!dvt,/rte_a/%dd*24,M7974:0,LU:34,DP:1:5
*
* 7974A/7978A streaming tape drive          HP-IB address 7
*                                           LU 35
*
*!REMOVE!dvt,/rte_a/%dd*24,M7974:0,LU:35,DP:1:7
*
* HP-IB #4 -- Low speed peripheral/instrument bus  Select Code = 25b
*
*!REMOVE!ift,/rte_a/%Id*37,SC:25B
*
* Bus Controller LU                          HP-IB address 36b
*                                           LU 91
*
*!REMOVE!dvt,, ,LU:91,TO:2000,DT:37B,DX:1,DP:1:36B
*
* 2608S,2563A,2566A Line Printer            HP-IB address 1
*                                           LU 85
*
*!REMOVE!dvt,/rte_a/%ddC12,,LU:85,DP:1:1
*
* 2932A Line Printer                          HP-IB address 2
*                                           LU 6
*
*!REMOVE!dvt,/rte_a/%dd*12,M2932A,LU:6,DT:12B,DP:1:2
*
* Four devices                                HP-IB address 3-6
*                                           LU 92-95
*
*!REMOVE!dvt,, ,LU:92,TO:500,DT:37B,DX:1,DP:1:3
*!REMOVE!dvt,, ,LU:93,TO:500,DT:37B,DX:1,DP:1:4
*!REMOVE!dvt,, ,LU:94,TO:500,DT:37B,DX:1,DP:1:5
*!REMOVE!dvt,, ,LU:95,TO:500,DT:37B,DX:1,DP:1:6
*
*
* 248x INTEGRATED DISK INTERFACE (MICRO/1000)  Select Code = 32b
*
*!REMOVE!ift,/rte_a/%Id*27,SC:32B
*
* Hard disk (15Mb)
*
*!REMOVE!dvt,/rte_a/%GEN27,M2480:15,LU:55
*!REMOVE!dvt,/rte_a/%GEN27,M2480:16,LU:62
*
* Hard disk (20Mb)
*
*!REMOVE!dvt,/rte_a/%gen27,m2480:11,lu:59
*!REMOVE!dvt,/rte_a/%gen27,m2480:12,lu:60
*
* 3.5" flexible disk (singled-sided)
*
*!REMOVE!dvt,/rte_a/%GEN27,M2480:3,LU:39

```



```

*
* 3.5" flexible disk (double-sided)
*
*!REMOVE!dvt,/rte_a/%GEN27,M2480:14,LU:63
*
*
* IEEE 802.3 Local Area Network                               Select Code = 37b
*                                                            LU 96
*
* #####
* #
* # The following are the table entries for ID*67, the LAN/1000 #
* # driver for the 12076A card. The IFT extension area         #
* # defaults to 72 words.                                       #
* # #####
*
*!YES_NS!ift,/rte_a/%id*67,sc:37B
*!YES_NS!dvt,,lu:96,DT:67b,TO:200
*
* LU mapping                                                LU 81-82
*
*!YES_NS!ift,/ns1000/dsrel/%ADV00,EIDV00,QU:FI,TX:2,AL:DY
*
*!YES_NS!dvt,,LU:81,EddV00,TX:0
*!YES_NS!dvt,,LU:82,EddV00,TX:5
*
* Telnet pseudo terminal driver/LUs                          LU 79-80
*
*!YES_NS!ift,/rte_a/idz00.rel
*!YES_NS!dvt,/rte_a/ddc01.rel,MHP_TELNET,lu:79
*!YES_NS!dvt,/rte_a/ddc01.rel,MHP_TELNET,lu:80
*
* Parallel Interface Card                                    Select Code = 35b
*                                                            LU 84
*
*!REMOVE!ift,/rte_a/%Id*50,SC:35B
*
*!REMOVE!dvt,,LU:84,TO:5000,TX:2,DX:3,DP:1:0:0:0,DT:55B
*
* Terminal LUs
*
* #####
* #
* # For systems with non-12005 ASIC system consoles:           #
* # change the 'lu:1' below to 'lu:yy', where yy is an        #
* # unused LU, and change the desired LU:XX to LU:1.          #
* # #####
*
* ASIC #1 (default system console)                            Select Code = 20B
*                                                            LU 1
*
*!REMOVE!ift,/rte_a/id100.rel,sc:20B
*!REMOVE!dvt,/rte_a/ddc01.rel,MHP_Term:A,lu:1

```

750

```

— *!REMOVE!ift,/rte_a/id100.rel,sc:20B
— *!REMOVE!dvt,/rte_a/ddc01.rel,MHP_Term:A,lu:1

```

] Include these statements if your console is running off an ASIC card.

```

*
* ASIC #2 Terminal, slaved device (printer),          Select Code = 21B
*               left CTU and right CTU.              LU 100, 200-202
*
*!REMOVE!ift,/rte_a/id100.rel,sc:21B
*
*!REMOVE!dvt,/rte_a/ddc01.rel,MHP_Term:A,lu:100
*!REMOVE!dvt,/rte_a/ddc01.rel,MHP_Slaved_Serial,lu:200
*!REMOVE!dvt,/rte_a/ddc01.rel,MHP_CTU:L,lu:201
*!REMOVE!dvt,/rte_a/ddc01.rel,MHP_CTU:R,lu:202
*
*   12100A A400 OBIO 4-MUX portA-D, portB's          Select Code = 77B
*   slaved device (printer), left CTU, right CTU.   LU 110-113,211-213
*
*   #####
*   #
*   # Do not specify a select code for ID400.REL. It is forced to #
*   # select code 77B.                                           #
*   #                                                                 #
*   #####
*!REMOVE!ift,/rte_a/id400.rel
*
*!REMOVE!dvt,/rte_a/ddc01.rel,MHP_Term:0,lu:110
*!REMOVE!dvt,/rte_a/ddc01.rel,MHP_Term:1,lu:111
*!REMOVE!dvt,/rte_a/ddc01.rel,MHP_Slaved_Serial,lu:211
*!REMOVE!dvt,/rte_a/ddc01.rel,MHP_CTU:L,lu:212
*!REMOVE!dvt,/rte_a/ddc01.rel,MHP_CTU:R,lu:213
*!REMOVE!dvt,/rte_a/ddc01.rel,MHP_Term:2,lu:112
*!REMOVE!dvt,/rte_a/ddc01.rel,MHP_Term:3,lu:113
*
*   12040D 8-channel MUX, ports 0-7, port 1 is      Select Code = 30B
*   slaved device (printer), left CTU, right CTU.   LU 120-127,221-223
*
*!REMOVE!ift,/rte_a/id800.rel,sc:30B
*
*!REMOVE!dvt,/rte_a/ddc01.rel,MHP_Term:0,lu:120
*!REMOVE!dvt,/rte_a/ddc01.rel,MHP_Term:1,lu:121
*!REMOVE!dvt,/rte_a/ddc01.rel,MHP_Slaved_Serial,lu:221
*!REMOVE!dvt,/rte_a/ddc01.rel,MHP_CTU:L,lu:222
*!REMOVE!dvt,/rte_a/ddc01.rel,MHP_CTU:R,lu:223
*!REMOVE!dvt,/rte_a/ddc01.rel,MHP_Term:2,lu:122
*!REMOVE!dvt,/rte_a/ddc01.rel,MHP_Term:3,lu:123
*!REMOVE!dvt,/rte_a/ddc01.rel,MHP_Term:4,lu:124
*!REMOVE!dvt,/rte_a/ddc01.rel,MHP_Term:5,lu:125
*!REMOVE!dvt,/rte_a/ddc01.rel,MHP_Term:6,lu:126
*!REMOVE!dvt,/rte_a/ddc01.rel,MHP_Term:7,lu:127
*
*   12040A-C Pre-Revision D 8-MUX, port 0-7.       Select Code = 23B
*                                                                 LU 130-137
*
*!REMOVE!ift,/rte_a/%idm00,sc:23B,tx:20
*
*!REMOVE!dvt,/rte_a/%dd*00,M26XX,LU:130,DP:1:20004B,TX:57,-
*!REMOVE!      DP:5:CI:20040B:20040B:0,DP:9:CM:20040B:20040B:CM
*!REMOVE!dvt,/rte_a/%dd*00,M26XX,LU:131,DP:1:20004B,TX:57,-
*!REMOVE!      DP:5:CI:20040B:20040B:0,DP:9:CM:20040B:20040B:CM
*!REMOVE!dvt,/rte_a/%dd*00,M26XX,LU:132,DP:1:20004B,TX:57,-

```

You need to
 include one
 of these if
 you are running
 off a console
 and MUX

800

```

*!REMOVE!      DP:5:CI:20040B:20040B:0,DP:9:CM:20040B:20040B:CM
*!REMOVE!dvt,/rte_a/%dd*00,M26XX,LU:133,DP:1:20004B,TX:57,-
*!REMOVE!      DP:5:CI:20040B:20040B:0,DP:9:CM:20040B:20040B:CM
*!REMOVE!dvt,/rte_a/%dd*00,M26XX,LU:134,DP:1:20004B,TX:57,-
*!REMOVE!      DP:5:CI:20040B:20040B:0,DP:9:CM:20040B:20040B:CM
*!REMOVE!dvt,/rte_a/%dd*00,M26XX,LU:135,DP:1:20004B,TX:57,-
*!REMOVE!      DP:5:CI:20040B:20040B:0,DP:9:CM:20040B:20040B:CM
*!REMOVE!dvt,/rte_a/%dd*00,M26XX,LU:136,DP:1:20004B,TX:57,-
*!REMOVE!      DP:5:CI:20040B:20040B:0,DP:9:CM:20040B:20040B:CM
*!REMOVE!dvt,/rte_a/%dd*00,M26XX,LU:137,DP:1:20004B,TX:57,-
*!REMOVE!      DP:5:CI:20040B:20040B:0,DP:9:CM:20040B:20040B:CM

```

```

*!REMOVE!end,,                               End of dvt generation phase

```

```

*!REMOVE!end,,                               End of ift generation phase

```

Must have

```

* Define Node Lists

```

```

* SCSI disks

```

```

*!REMOVE SCSI!node,10,11

```

```

*!REMOVE SCSI!node,12,13

```

```

* HP-IB disk

```

```

*!REMOVEHPIB!node,18,19

```

```

* 5.25" and 3.5" Flexible disks (9121)

```

```

*!REMOVEHPIB!node,32,33

```

```

* 9122D 3.5" flexible disks

```

```

*!REMOVEHPIB!node,36,37

```

```

* HP-IB disk(64MB)

```

```

*!REMOVEHPIB64!node,16,17,24

```

```

* HP-IB disk(20MB)

```

```

*!REMOVEHPIB20!node,30,24,53,54

```

```

* 5.25" Winchester fixed disk LUs (9133/4XV)

```

```

*!REMOVEHPIB!node,44,45,46,47

```

```

* 5.25" Winchester fixed disk LUs (9133/4H) and 9133H flexible disk

```

```

*!REMOVEHPIB!node,41,42,43,61

```

```

* 248x Integrated disk LUs

```

```

*!REMOVE!node,55,62,59,60,39,63

```

```

* 4-channel MUX port B/Rev. D 8-channel MUX CTUs and slaved printer

```

These node statements are needed if you have single devices that have multiple ports or functions that are built into the same unit.

eg:
9122 - has 2 (floppy) drives
12040 - has 8 ports
7908 - has a built in disc drive and tape drive.

```

*!REMOVE!node,111,211,212,213
*!REMOVE!node,121,221,222,223
*
- *!REMOVE!end,           End node list
*
- *!REMOVE!end,           End interrupt table
*

```

Must have

```

* Memory Allocation
*
- *!REMOVE!clas 150,      Class number allocation
- *!REMOVE!resn 30,0     Resource number allocation/debug table spec
- *!REMOVE!id 80,        ID segment allocation
- *!REMOVE!rs -150,      Memory descriptor allocation
- *!REMOVE!sam 32767,4096 SAM allocation/XSAM
- *!REMOVE!sl 200 1048,  Spool limits
- *!REMOVE!bg 30,        Background swap priority allocation
- *!REMOVE!qu 300 50,    Quantum time slice value
- *!REMOVE!sp 30,0       Shared programs/extended schedule table
*
- *!YES_NS!mb 512,        Number of memory blocks for NS/1000
- *!NO__NS!mb 0,         Number of memory blocks for NS/1000
*
- *!YESVC+!us 15,         Number of concurrent users (1 if no VC+)
- *!NO_VC+!us 1,         Number of concurrent users (1 if no VC+)
- *!REMOVE!lb,,          LOGOF buffer limit (use defaults)
*

```

Must have

```

* Labeled System Common Relocation
*

```

900

```

*!YES_NS!re /ns1000/dsrel/%resa
*
* #####
* #
* # If you are using the serial modem handler HPMDM, uncomment #
* # the following line. #
* # #
* #####
*!YES_NS!re /rte_a/hpmdm_table.rel
*
*!YES_NS!se /ns1000/lib/nssys.lib
*
- *!REMOVE!end,           End labeled system common relocation
*

```

Must have

```

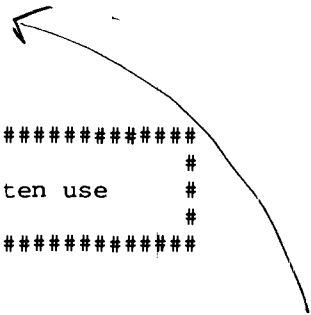
* Unlabeled (Blank) Common
*
- *!REMOVE!com 1024,     Number of words of memory to use
*
* System Messages
*
- *!REMOVE!re /rte_a/%msgtb,, Message table
- *!REMOVE!end
- *!REMOVE!re /rte_a/%$m000,, Message module
- *!REMOVE!end

```

```

*!YESVC+!re /vcplus/security.rel
*!YESVC+!end
*
- *!REMOVE!end,                               End system messages
*
* System Libraries
*
* #####
* #
* #   add here any other library routines which you often use   #
* #
* #####
*
*!REMOVE!lib sec1000.lib,,                    Security/1000 library
*!YES_NS!lib bigns.lib,,                      Merged NS-ARPA/1000 user libraries
*!REMOVE!lib $FNDLB,,                        FORTRAN non-DS library
*!YES_NS!lib pascal.lib,,                    Required for NS-ARPA/1000
- *!REMOVE!lib $big1b.lib,,
- *!REMOVE!end,                               End system libraries
*
* CDS Libraries
*
* #####
* #
* #   add here any other CDS library routines which you often use #
* #
* #####
*
*!YESVC+!lib sec1000cds.lib,,                 Security/1000 CDS library
*!YES_NS!lib bigns_cds.lib,,                  Merged NS-ARPA/1000 user libraries
*!YES_NS!lib pascal_cds.lib,,                Required for NS-ARPA/1000
*!YESVC+!lib $bgcds.lib,,
*!YESVC+!lib $FNDLB,,                        FORTRAN non-DS library
*!YESVC+!lib sec1000.lib,,                   Security/1000 library
*!YESVC+!lib $big1b.lib,,
*
- *!REMOVE!end

```



must have

