

NOTICE !!!

SSYIDEF IN MASDS:<VMMLIB.SRC>STARDEFQZ.SDL MUST BE UPDATED WHEN ADDING PARAMETERS - BUT NOT WHEN DELETING PARAMETERS. SSYIDEF CONTAINS THE PUBLIC DEFINITIONS OF THE \$GETSYI ITEM-CODES, AND EACH SYSGEN PARAMETER IS AUTOMATICALLY TRANSFORMED INTO A \$GETSYI ITEM. SYITABLE.MAR DEFINES \$GETSYI ITEMS WHICH ARE -NOT- SYSGEN PARAMETERS, AND SHOULD NOT BE MODIFIED WHEN ADDING OR SUBTRACTING SYSGEN PARAMETERS.

```
.IF      DEFINED GETSYISW
.TITLE  GETSYI - DEFINE SYSTEM PARAMETERS FOR GETSYI
.IF FALSE
.IF     NDF,PRMSW
.TITLE  SYSPARAM - SYSTEM PARAMETERS
.IFF
.TITLE  PARAMETER - PARAMETER DESCRIPTORS FOR SYSPARAM
.ENDC
.ENDC
.IDENT  'V04-000'
```

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FACILITY: EXECUTIVE DATA BASE

ABSTRACT: SYSPARAM CONTAINS THE EXECUTIVE CONTROL PARAMETERS AND CERTAIN KEY VARIABLES.

: ENVIRONMENT:

: AUTHOR: R. I. HUSTVEDT, CREATION DATE: 09-OCT-1977

: MODIFIED BY:

V03-080 DWT0238 David W. Thiel 24-Aug-1984
Change default value of QDSKINTERVAL to 20 seconds.

V03-079 MIR0470 Michael I. Rosenblum 13-Aug-1984
make tty_defport a special sysgen parameter

V03-078 CDS0004 Christian D. Saether 06-Aug-1984
Fix bug initializing exe\$gl_static_flags
introduced by cds0003.

V03-077 WMC0075 Wayne Cardoza 06-Aug-1984
Make SRP default 96.

V03-076 WMC0074 Wayne Cardoza 30-Jul-1984
Raise minimum working set parameters.

V03-075 DWT0231 David W. Thiel 25-Jul-1984
Raise RECNXINTERVAL to 60 seconds.

V03-074 DWT0230 David W. Thiel 25-Jul-1984
Raise RECNXINTERVAL to 20. Make QDSKINTERVAL non-dynamic.

V03-073 WMC0073 Wayne Cardoza 23-Jul-1984
Raise max VIRTUALPAGECNT.

V03-072 BLS0334 Benn Schreiber 23-JUL-1984
Raise default ENQLM,ASTLM,DIOLM and BIOLM parameters.

V03-071 WHM0004 Bill Matthews 23-Jul-1984
Added a work station flag longword and defined the parameter
WS_OPAO. Made LGI_BRK_TERM default to true. Raised paging file
quota minimum from 256 to 512.

V03-070 CDS0003 Christian D. Saether 20-Jul-1984
Add one more buffer pool, ACP_DINDXCACHE, to file system caches.
Add ACP_REBLDSYSD flag.

V03-069 ACG0436 Andrew C. Goldstein, 12-Jul-1984 11:50
Add LGI_BRK_TERM and LGI_BRK_DISUSER parameters

V03-069 CDS0002 Christian D. Saether 11-July-1984
Raise minimum ACP_HDRCACHE to 3.
Change default for ACP_MULTIPLE to 0.

V03-068 JEJ0047 J E Johnson 06-Jul-1984
Change RMS_GBLBUFQUO to be a dynamic parameter.

V03-067 WMC0067 Wayne Cardoza 06-Jun-1984
Fix PQL minimum working set parameters.
Raise PHYSICALPAGES limits.

V03-066 HWS0069 Harold Schultz 24-May-1984
Change default size of CLISYMTBL from 40 to 60 pages.

V03-065 WHM0003 Bill Matthews 20-Apr-1984
Removed USESYSPARAMS. Use of the separate parameter file
is now required.

V03-064 MIR0400 Michael I. Rosenblum 10-Apr-1984
Add TTY_DEFPORT default port function longword.

V03-063 RAS0281 Ron Schaefer 09-Apr-1984
Add RMS_DFNBC default network block count parameter.

V03-062 WHM0002 Bill Matthews 04-Apr-1984
Added USESYSPARAMS and WRITESYSPARAMS to support the
default separate system parameter file.
Changed the default for NPAGEDYN from 64000 to 131072(256 pages)
Added support for ascii sysgen parameters longer than 4 bytes.
Replaced SCSNODEL and SCSNODEH with SCSNODE.
Replaced DISK QUORUM1-4 with DISK QUORUM.
Changed SAVEDUMP from type SPECIAL to type SYS.
Changed the units field for ACP_DATACHECK and ACP_SWPFLAGS
from boolean to Bit-mask.

V03-061 WMC0060 Wayne Cardoza 28-Mar-1984
Add MMG\$GL_MAXMEM.

V03-060 JEJ0013 J E Johnson 25-Mar-1984
Add RMS_GBLBUFQUO sysgen parameter.

V03-059 WMC0059 Wayne Cardoza 24-Mar-1984
Add ACP_XQP_RES flag

V03-058 LMPBUILD L. Mark Pilant, 19-Mar-1984 12:20
Make sure that the cells moved in LMP0205 are added with
the proper conditionals around them.

V03-057 LMP0205 L. Mark Pilant, 7-Mar-1984 11:23
Move EXE\$GL_DYNAMIC_FLAGS and EXE\$GL_STATIC_FLAGS from
SYSCOMMON.

V03-056 CDS0001 Christian D. Saether 28-Feb-1984
Raise default and min size of pagedyn to account for
xqp block caches. Also SYSMWCNT.

V03-055 MMD0246 Meg Dumont, 27-Feb-1984 10:45
Add support for SMTACCESS installation specific accessibility
routine

V03-054 SSA0009 Stan Amway 13-Feb-1984
Changed default for PFRATL to 0.

V03-053 TMK0003 Todd M. Katz 02-Feb-1984
Change the name of the SCS parameter PAPORTPOLL to PANOPOLL.
Also change its address (from SCS\$GB_PAPPOOL to SCS\$GB_PANOPOLL)

and its default value (from 1 to 0).

- V03-052 WHM0001 Bill Matthews 01-Feb-1984
Added new type for LGI_ parameters.
- V03-051 TMK0002 Todd M. Katz 30-Jan-1984
Add the special parameters PE1,PE2,PE3,PE4,PE5,PE6 for use
by the PEDRIVER.

Add the SCS parameter PAPORTPOLL. If this boolean parameter is
set the local CI port(s) will poll remote ports. If it isn't it
won't.

Change the following SYSGEN parameters' DEFAULT, MAX, MIN etc..

1. Change the DEFAULT of MAXBUF from 1568 to 1584.
2. Change the DEFAULT of SCSSYSTEMID from 1 to 0.
3. Change the MIN of PAMAXPORT from -1 to 0.
4. Change the MAX of PAMAXPORT from -1 to 223.
5. Change the ADDRESS of PAMAXPORT from SCSS\$GW_PAMXPORT to
SCSS\$GB_PAMXPORT.
6. Change the size of PAMAXPORT from WORD to BYTE.
- V03-050 WMC0048 Wayne Cardoza 16-Jan-1984
CJF related parameters must be made SPECIAL and defaulted
off.
- V03-049 JLV0328 Jake VanNoy 11-JAN-1984
Add TTY_TIMEOUT and TTY_AUTOCHAR.
- V03-048 KTA3097 Kerbey T. Altmann 10-Jan-1984
Set date to 1984.
- V03-047 WMC0047 Wayne Cardoza 19-Dec-1983
WSMAX max is 64000 not 65280.
Make MMG\$GW_BIGPFN a new cell.
- V03-046 LMP0177 L. Mark Pilant, 7-Dec-1983 11:32
Add a dynamic parameter to control whether or not
non-discretionary classification checks are to be performed.
- V03-045 SSA0003 Stan Amway 5-Dec-1983
Added DORMANTWAIT to support outswap scheduling changes.
Changed units and default for LONGWAIT.
- V03-044 DWT0150 David W. Thiel 18-Nov-1983
Add LOCKDIRWT and QDSKVOTES parameters. Deleted old
VAXCLUSTER bit and define new VAXLCUSTER as a byte.
Reorder cluster parameters. Make ALLOCLASS non-dynamic.
Change PAPOLLINTERVAL default from 15 to 5 seconds.
Change SCSSMAXMSG default from 96 to 112.
Change SRPSIZE default from 96 to 128 to close hole
between SRP and IRP allocation pending a more complete
examination of pool allocation.
- V03-043 TMK0001 Todd M. Katz 12-Oct-1983

Add PQL_DJTQUOTA and PQL_MJTQUOTA - the default and minimum byte creation quotas for job-wide logical name tables.

V03-042 ACG0360 Andrew C. Goldstein, 21-Sep-1983 16:25
Change defaults for LGI_xxx breakin parameters

V03-041 ACG0350 Andrew C. Goldstein, 19-Aug-1983 17:56
Raise MAXBUF minimum to 1200 to allow BACKUP to work

V03-040 GAS0162 Gerry Smith 30-Jul-1983
Add LGI_PWD_TMO, the system password drop dead time.

V03-039 NPK3030 N. Kronenberg 29-Jul-1983
Change PAMAXPORT maximum from 223 to -1.

V03-038 RAS0179 Ron Schaefer 29-Jul-1983
Delete LOGPHASHTBL, LOGGHASHTBL, LOGSHASHTBL.
Change default of IMGIOCNT from 32 to 64.
Change default of RMS_EXTEND from 80 to 0.

V03-037 KFH0004 Ken Henderson 28 Jul 1983
Add MAXQUEPRI, DEFQUEPRI, QDSKINTERVAL
Remove JOBQUEUES, REINITQUE, MAXPRINTSYMB
Change VMS_CLUSTER to VAXCLUSTER
Modify default of RECNXINTERVAL from 3 to 10

V03-036 NPK3029 N. Kronenberg 26-Jul-1983
Tune up the SCS and PA parameters. Remove PASTRETRY.
Add PAMXPORT, PASANITY.

V03-035 MSH0002 Maryann Hinden 08-Jul-1983
Add cluster quorum disk parameters.

V03-034 GAS0142 Gerry Smith 20-Jun-1983
Add the login security parameters.

V03-033 PCA1015 Paul C. Anagnostopoulos 13-Jun-1983
Fix the valid ranges for the STARTUP_Pn parameters.

V03-032 TCM0002 Trudy C. Matthews 1-Jun-1983
Add ALLOCLASS parameter, a cluster parameter that defines the device allocation class for this system.

V03-031 SRB0086 Steve Beckhardt 24-May-1983
Made LOCKIDTBL_MAX dynamic.

V03-030 JSV0295 Joost Verhofstad 20-MAY-1983
Add SYSGEN parameters CJFLOAD and CJFSYSRUJ

V03-029 KFH0003 Ken Henderson 20 May 1983
Increased default values:
SPTREQ 720 -> 896
GBLPAGES 3072 -> 4096
GBLSECTIONS 80 -> 128

V03-028 KDM0044 Kathleen D. Morse 03-May-1983

Add EXESGL_ARCHFLAG.

- V03-027 PCA1015 Paul C. Anagnostopoulos 28-Apr-1983
Add TAILORED parameter to specify whether or not this system is tailored (has a library disk).
Add STARTUP_Pn parameters for passing information to the system startup procedure.
- V03-026 SRB0081 Steve Beckhardt 28-Apr-1983
Added new parameter LOCKIDTBL_MAX.
- V03-025 RNG0025 Rod Gamache 21-Apr-1983
Change default value of MAXBUF to be more flexible for the DEUNA device driver.
- V03-024 KFH0002 Ken Henderson 14 Apr 1983
Modify call to SYI_ITEM_CODE to support Ascii sysnodename.
- V03-023 MIR0030 Michael I. Rosenblum 14-Apr-1983
Make line editing the default
- V03-022 TCM0001 Trudy C. Matthews 8-Apr-1983
Allow WSMAX to grow to 65280.
- V03-021 MSH0001 Maryann Hinden 25-Mar-1983
Add ASCII type. Correct default for SC.SNODEH.
- V03-020 DWT0080 David W. Thiel 1-Mar-1983
Define cluster class of parameters containing QUORUM, VOTES, and CNXRETRYINT.
- V03-019 JWH0191 Jeffrey W. Horn 28-Feb-1983
Change default value for PIOPAGES.
- V03-018 KFH0001 Ken Henderson 15 Feb 1983
Added conditionals for GETSYISW, to let this file be used to define the sysboot parameters for SYSSGETSYI/FSGETSYI/LIBSGETSYI

ONE SIDE EFFECT OF THIS MOD IS TO REQUIRE THAT ALL ALLOCATION OF MEMORY CELLS BE CONDITIONALIZED TO NOT HAPPEN IF GETSYISW IS DEFINED.

- V03-017 RNG0017 Rod N. Gamache 11-Feb-1983
Change default value for PHYSICALPAGES.
- V03-016 DWT0071 David W. Thiel 28-Jan-1983
Add VMS_CLUSTER parameter and corresponding LOADCLUSTER bit in SGN\$GL_LOADFLAGS.
Add PRCPOLINTERVAL parameter with global name SCSSGW_PRCPOLINT.
- V03-015 STJ3053 Steven T. Jeffreys 21-Jan-1983
Added LOADERAPAT and LOADCHKPRT parameters, and defined

SGNSGL_LOADFLAGS, a system global longword to control the loading of various pieces of the EXEC.

- V03-014 KTA3029 Kerbey T. Altmann 11-Jan-1983
Set date to 1983.
- V03-013 SRB0057 Steve Beckhardt 16-Dec-1982
Increased maximum size of LOCKIDTBL to 65535.
- V03-012 DMW4016 DMWalp 15-Dec-1982
Added parameters for size of new logical name hash tables
- V03-011 JWH0117 Jeffrey W. Horn 29-Oct-1982
Add PIOPAGES, CTLPAGES, and CTLIMGLIM.
Change maximum of PHYSICALPAGES to 65536.
Change default of SCSSYSTEMIDH to 0.
- V03-010 KTA3016 Kerbey T. Altmann 21-Oct-1982
Add SCSNODENAME.
- V03-009 HRJ0064 Herb Jacobs 21-Apr-1982
Fix default values of RMS_DFMBC, RMS_EXTEND, MPW_LOLIMIT.
- V03-008 JLV0208 Jake Vannoy 15-Apr-1982
Fix default values for TTY_SILOTIME, WSINC, WSDEC.
- V03-007 JLV0207 Jake VanNoy 5-APR-1982
Add some smarts to PARAMETER macro to ignore dynamic bits if they are not in EXESGL_DEFFLAGS. This prevents the dynamic bits in STJ0249 from being included in PRMSM_DYNFLAGS.
- V03-006 STJ0249 Steven T. Jeffreys 01-Apr-1982
Add global longword for system message flags. Define EXESV_MOUNTMSG and EXESV_DISMOUNTMSG to control operator notification of mounts and dismounts, respectively. By default, both are disabled.
- V03-005 MLJ0085 Martin L. Jack 01-Apr-1982
Add EXESV_JOBQUEUES, EXESV_REINITQUE to control initialization of JBCSYSQUE by job controller.
- V03-004 PHL0041 Peter H. Lipman 01-Apr-1982
Default setting for SAVEDUMP must be off.
- V03-003 HRJ0061 Herb Jacobs 28-Mar-1982
Fix categories for /MAJOR, /SYS, /SYSGEN, correct some default values, and change global name of SWPFILCNT.
- V03-002 PHL0040 Peter H. Lipman 22-Mar-1982
Add EXESV_PAGFILDMP, EXESV_SAVEDUMP, EXESGW_PGFL_FID to support the dump file in the page file.
- V03-001 JLV0193 Jake VanNoy 15-MAR-1982
Add TTY_SILOTIME. Change defaults for TTY_OWNER and TTY_PROT and PQL_ENQLM. Change names of TTYSCANDELTA to TTY_SCANDELTA

```
and DIALTYPE to TTY_DIALTYPE.
```

```
..PAGE
..SBTTL DECLARATIONS
```

```
INCLUDE FILES:
```

```

$SYIDF      : DEFINE SYSSGETSYI ITEM CODES
$POLDEF     : DEFINE QUOTA LIST CODES
$PRMDEF     : DEFINE PARAMETER DESCRIPTOR
$SGNDEF     : SYSGEN CONSTANTS
$TTDEF     : DEFINE TERMINAL CHARACTERISTICS
$TT2DEF    : DEFINE MORE TERMINAL DEFINITIONS
```

```
MACRO TO GENERATE PARAMETER DESCRIPTOR IF PRMSW IS TRUE OTHERWISE
SIMPLY DEFINE PARAMETERS
```

```
MACROS:
```

```

.MACRO PFNALC SIZ,SYMLST
.IRP SYM,<SYMLST>
DEFINE PFN$A'SIZ'_'SYM
.ENDR
.ALIGN LONG
.LONG 0
.ENDM PFNALC

.MACRO PARAMETER,ADDRESS,NAME,TYPE=STATIC,DEFAULT=0,MIN=-1,MAX=-1,-
UNIT,SIZE=LONG,BIT :
```

```

When GETSYISW is defined, the macro PARAMETER becomes a conduit to
a lower level macro SYI_ITEM_CODE. In the fashion of JPI_ITEM_CODE and
DVI_ITEM_CODE, SYI_ITEM_CODE is called multiple times (once per item)
by the larger macro SYI_GENERATE_TABLE. This file becomes the definition
of SYI_GENERATE_TABLE when GETSYISW is defined.
```

```

OUTLEN = 4
.IIF IDENTICAL <SIZE><BYTE>, OUTLEN = 1
.IIF IDENTICAL <SIZE><WORD>, OUTLEN = 2
.IIF IDENTICAL <SIZE><LONG>, OUTLEN = 4
.IIF IDENTICAL <SIZE><QUAD>, OUTLEN = 8
.IIF IDENTICAL <SIZE><OCTA>, OUTLEN = 16

.IF DEFINED GETSYISW

.IF BLANK BIT

.IF NOT DEFINED SYIS 'NAME
.WARN : SYIS_'NAME SHOULD BE DEFINED IN STARDEFQZ.SDL (EXE-SECT)
.ENDC
```



```

.ENDC
.ENDC
.ENDC      ; DEFINED GETSYISW
.ENDM  PARAMETER      ;
.MACRO  PRM,OFFSET      ;
.IF     NOT_DEFINED GETSYISW      ;
.=BAS...+PRMS'OFFSET      ;
.ENDC      ;
.ENDM  PRM      ;

```

```

: MACRO TO CONDITIONALLY DEFINE LABELS
:

```

```

.MACRO  DEFINE,LABEL      ;
.IF     NOT_DEFINED GETSYISW      ;
.IF     NDF,PRMSW      ;
LABEL'::      ;
.IFF      ;
LABEL':      ;
.ENDC      ;
.ENDC      ; NOT_DEFINED GETSYISW
.ENDM  DEFINE      ;

```

```

: MACRO TO GENERATE PROCESS QUOTA LIST TABLES
:

```

```

PQL     QUOTA_NAME,DEFAULT,MIN,FLAG,UNIT,DYNAMIC_STATE

```

```

.MACRO  PQL Q,DEFLT=0,MINIM=0,FLAG=0,UNT,DYNAMIC_FLAG=DYNAMIC
.IF     NOT_DEFINED GETSYISW
.IF     NDF,PRMSW
.PSECT  $$$917,PAGE
.IFF
.PSECT  $$$917A,PAGE
.ENDC

```

```

PQLSAV...=      ; SAVE LOCATION COUNTER
.=PQL$AL_DEFAULT+<4*PQL$ 'Q>      ; POINT INTO DEFAULT TABLE
.ENDC      ; NOT_DEFINED GETSYISW

```

```

PARAMETER      ADDRESS=PQL$GD'Q,-
                DEFAULT=DEFLT,-
                NAME=PQL_D'Q,-
                SIZE=LONG,-
                TYPE=<PQL,SYSGEN,DYNAMIC_FLAG>,-
                UNIT=UNT

```

```

.IF     NOT_DEFINED GETSYISW
.IF     NDF,PRMSW
.PSECT  $$$917,PAGE
.IFF
.PSECT  $$$917A,PAGE
.ENDC

```

```

PQLSAV...=      ; POINT INTO MINIMUM VALUE TABLE
.=PQL$AL_MIN+<4*PQL$ 'Q>
.ENDC      ; NOT_DEFINED GETSYISW
PARAMETER      ADDRESS=PQL$GM'Q,-

```

```

                DEFAULT=MINIM,-
                NAME=PQL_M'Q,-
                SIZE=LONG,-
                TYPE=<PQL,SYSGEN,DYNAMIC,FLAG>,-
                UNIT=UNT
        .IF      NOT_DEFINED GETSYSIW
        .IF      NDF,PRMSW
        .PSECT   $$$917,PAGE
        .IFF
        .PSECT   $$$917A,PAGE
        .ENDC
PQLSAV...=
        .=PQLSAB FLAG+PQLS_'Q
        .BYTE   FLAG
        .=PQLSAV...
        .ENDC   : NOT_DEFINED GETSYSIW
        .ENDM   PQL
                :
:
: EQUATED SYMBOLS:
:
PQL_V_DEDUCT=0                : DEDUCTIBLE QUOTA FLAG
PQL_M_DEDUCT=1                : FLAG VALUE FOR DEDUCTIBLE QUOTA
DEDUCTIBLE=PQL_M_DEDUCT      : NAME FOR READIBILITY
        .IF      DF,PRMSW
PRMSM_DYNFLAGS == 0          : DO IF PARAMETER
        .ENDC
:
: DEFINE THE SYSTEM CONTROL FLAGS. ANY FLAGS ADDED SHOULD BE PLACED
: IN THE FIELD DEFINITION THAT CORRESPONDS TO THE CELL IN SYSCOMMON FROM
: WHICH THE FLAGS ARE REFERENCED. (THIS WAS ORIGINALLY EXE$GL FLAGS, BUT
: OVER TIME WILL SPLIT INTO EXE$GL_DYNAMIC_FLAGS, EXE$GL_STATIC_FLAGS, AND
: EXE$GL_STATE_FLAGS.)
:
        $GBLINI GLOBAL
        $VIELD EXE_0,<-
                : DEFINITION FOR EXE$GL FLAGS
                SYSWRITABL,-
                : LEAVE SYSTEM READ ONLY CODE WRITABLE
                NOAUTOCNF,-
                : NO AUTOMATIC CONFIGURATION OF UBA
                SYSPAGING,-
                : ENABLE SYSTEM PAGING
                POOLPGING,-
                : ENABLE DYNAMIC POOL PAGING
                SIMULATOR,-
                : RUNNING ON SIMULATOR
                NOCLOCK,-
                : DO NOT TURN ON CLOCK
                CRDENABL,-
                : ENABLE CRD ERROR DETECTION
                SBIERR,-
                : ENABLE SBI ERROR INTERRUPT
                INIT,-
                : RMS AND FILE SYSTEM INITIALIZED
                SETTIME,-
                : FORCE SOLICITATION OF TIME
                FATAL_BUG,-
                : FORCE ALL BUG CHECKS FATAL
                MULTACP,-
                : USE MULTIPLE FILE ACP'S
                NOCLUSTER,-
                : TURN OFF PAGE FAULT CLUSTERING
                BUGREBOOT,-
                : AUTO REBOOT ON BUGCHECK
                SYSUAFALT,-
                : ALTERNATE LOGICAL NAME FOR SYSUAF
                SHRF11ACP,-
                : MAKE F11ACP SHARABLE AT BOOT TIME
                BUGDUMP,-
                : TAKE SYSTEM DUMP ON BUGCHECK

```


SYSGEN PARAMETERS

```

: When the code in SYSSGETSYI/FSGETSYI/LIB$GETSYI invokes the SYI GENERATE_TABLE
: macro once, the PARAMETER macro (and therefore the SYI_ITEM_CODE macro)
: will be invoked many times, generating the item-code control tables used
: by the above peices of code.

```

```

: Start the definition of the macro

```

```

.MACRO SYI_GENERATE_TABLE

```

```

: Define the GETSYI item-code which are Not SYSBOOT params

```

```

.IIF DEFINED GETSYISW, SYI_ITEMTABLES

```

```

: DEFAULT PAGE FAULT CLUSTER SIZE - SPECIFIES THE MAXIMUM NUMBER OF
: PAGES WHICH WILL BE READ FROM SECTIONS NOT SPECIFYING A CLUSTER FACTOR.
: THIS ALSO APPLIES TO PAGE FILE PAGES.

```

```

PARAMETER ADDRESS=SGN$GW_DFPFC,- ;
           DEFAULT=32,- ;
           MIN=0,- ;
           MAX=127,- ;
           NAME=PFCDDEFAULT,- ;
           SIZE=WORD,- ;
           TYPE=<DYNAMIC,SYS,MAJOR>,- ;
           UNIT=Pages

```

```

: DEFAULT PAGE TABLE PAGE FAULT CLUSTER SIZE - SPECIFIES THE MAXIMUM NUMBER OF
: OF PAGE TABLES TO ATTEMPT TO READ TO SATISFY A FAULT FOR A NON-RESIDENT
: PAGE TABLE.

```

```

PARAMETER ADDRESS=SGN$GB_PGTBPFC,- ;
           DEFAULT=2,- ;
           MIN=0,- ;
           MAX=127,- ;
           NAME=PAGTBLPFC,- ;
           SIZE=BYTE,- ;
           TYPE=<DYNAMIC,SPECIAL>,- ;
           UNIT=Pages

```

PAGE FAULT CLUSTER FOR SYSTEM PAGING

```

PARAMETER ADDRESS=SGN$GB_SYSPFC,- ;
           DEFAULT=1,- ;
           MIN=0,- ;
           MAX=127,- ;
           NAME=SYSPFC,- ;
           SIZE=BYTE,- ;
           TYPE=<SPECIAL>,- ;
           UNIT=Pages

```

```

: NUMBER OF KNOWN FILE LISTS - ESTABLISHES THE MAXIMUM NUMBER OF KNOWN

```


FILE LISTS THAT CAN BE MADE KNOWN TO THE SYSTEM.

```
PARAMETER      ADDRESS=SGN$GB_KFILSTCT,-      ;
                DEFAULT=4,-                  :
                MIN=2,-                      :
                MAX=255,-                    :
                NAME=KFILSTCNT,-            :
                SIZE=BYTE,-                 :
                TYPE=<SYSGEN,SYS>,-         :
                UNIT=Slots
```

.IIF NOT_DEFINED GETSYSW, .ALIGN WORD

GLOBAL SECTION COUNT - DETERMINES THE MAXIMUM NUMBER OF GLOBAL SECTIONS WHICH CAN BE MADE KNOWN TO THE SYSTEM BY ALLOCATING THE NECESSARY STORAGE FOR THE GST ENTRIES.

```
PARAMETER      ADDRESS=SGN$GW_GBLSECNT,-      ;
                DEFAULT=128,-                 :
                MIN=20,-                     :
                NAME=GBLSECTIONS,-           :
                SIZE=WORD,-                  :
                TYPE=<SYSGEN,SYS,MAJOR>,-    :
                UNIT=Sections
```

GLOBAL PAGE COUNT - ESTABLISHES THE SIZE OF THE GLOBAL PAGE TABLE AND THE LIMIT FOR THE TOTAL NUMBER OF GLOBAL PAGES THAT CAN BE CREATED.

```
PARAMETER      ADDRESS=SGN$GL_MAXGPGCT,-      ;
                DEFAULT=4096,-               :
                MIN=512,-                   :
                NAME=GBLPAGES,-             :
                SIZE=LONG,-                 :
                TYPE=<SYSGEN,SYS,MAJOR>,-    :
                UNIT=Pages
```

GLOBAL PAGE PAGE FILE PAGE LIMIT - ESTABLISHES THE MAXIMUM NUMBER OF GLOBAL PAGES WITH PAGE FILE BACKING STORE THAT CAN BE CREATED.

```
PARAMETER      ADDRESS=SGN$GL_GBLPAGFIL,-      ;
                DEFAULT=1024,-              :
                MIN=128,-                   :
                NAME=GBLPAGFIL,-            :
                SIZE=LONG,-                 :
                TYPE=<SYS>,-                 :
                UNIT=Pages
```

MAXIMUM PROCESS COUNT - DETERMINES THE MAXIMUM NUMBER OF PROCESSES

```
PARAMETER      ADDRESS=SGN$GW_MAXPRCCT,-      ;
                DEFAULT=72,-                 :
                MIN=12,-                     :
                MAX=8192,-
```

```

NAME=MAXPROCESSCNT,-
SIZE=WORD,-
TYPE=<SYSGEN, SYS, MAJOR>,-
UNIT=Processes

```

```

PROCESS SCAN COUNT - DETERMINES THE MAXIMUM NUMBER OF PROCESSES TO SCAN
FOR PRIORITY BOOSTING.

```

```

PARAMETER ADDRESS=SGN$GW_PIXSCAN,-
           DEFAULT=1,-
           MIN=0,-
           MAX=8192,-
           NAME=PIXSCAN,-
           SIZE=WORD,-
           TYPE=<SPECIAL, DYNAMIC>,-
           UNIT=Processes

```

```

PROCESS SECTION COUNT - GUARANTEED NUMBER OF PROCESS SECTIONS THAT CAN
BE CREATED. DEPENDING ON SIZE OF WORKING SET, THE ACTUAL NUMBER
OF SECTIONS CAN ACTUALLY BE GREATER.

```

```

PARAMETER ADDRESS=SGN$GW_MAXPSTCT,-
           DEFAULT=32,-
           MIN=5,-
           MAX=1024,-
           NAME=PROCSECTCNT,-
           SIZE=WORD,-
           TYPE=<SYSGEN, SYS>,-
           UNIT=Sections

```

```

MINIMUM WORKING SET SIZE - ESTABLISHES THE SMALLEST SIZE THAT ADJWSL WILL
SET A PROCESS' WORKING SET.

```

```

PARAMETER ADDRESS=SGN$GW_MINWSCNT,-
           DEFAULT=20,-
           MIN=10,-
           NAME=MINWSCNT,-
           SIZE=WORD,-
           TYPE=<STATIC, SYSGEN, SYS>,-
           UNIT=Pages

```

```

NUMBER OF PAGING FILES - DETERMINES THE MAXIMUM NUMBER OF PAGING FILES
THAT CAN BE MADE KNOWN TO THE SYSTEM.

```

```

PARAMETER ADDRESS=SGN$GW_PAGFILCT,-
           DEFAULT=2,-
           MIN=1,-
           MAX=63,-
           NAME=PAGFILCNT,-
           SIZE=WORD,-

```

```
TYPE=<SYS,SYSGEN>,- ;
UNIT=Files
```

```
:
: NUMBER OF SWAP FILES - ESTABLISHES THE MAXIMUM NUMBER OF SWAPFILES THAT
: CAN BE MADE KNOWN TO THE SYSTEM.
```

```
:
: PARAMETER ADDRESS=SGN$GW_SWPFILES,- ;
:           DEFAULT=2,-
:           MIN=0,-
:           MAX=63,-
:           NAME=SWPFILCNT,-
:           SIZE=WORD,-
:           TYPE=<SYS,SYSGEN>,-
:           UNIT=Files
```

```
:
: SYSTEM WORKING SET COUNT - ESTABLISHES THE NUMBER OF PAGES FOR THE WORKING
: SET CONTAINING THE CURRENTLY RESIDENT PAGES OF PAGABLE SYSTEM SPACE.
```

```
:
: PARAMETER ADDRESS=SGN$GW_SYSDWSCT,- ;
:           DEFAULT=250,-
:           MIN=40,-
:           MAX=16384,-
:           NAME=SYSMWCNT,-
:           SIZE=WORD,-
:           TYPE=<SYSGEN,SYS,MAJOR>,-
:           UNIT=Pages
```

```
:
: INTERRUPT STACK SIZE - ESTABLISHES THE SIZE OF THE INTERRUPT STACK IN PAGES
```

```
:
: PARAMETER ADDRESS=SGN$GW_ISPPGCT,- ;
:           DEFAULT=2,-
:           MIN=1,-
:           NAME=INTSTKPAGES,-
:           SIZE=WORD,-
:           TYPE=<SYS,SYSGEN>,-
:           UNIT=Pages
```

```
:
: AMOUNT OF EXTRA INTERRUPT STACK TO LEAVE WHEN DOING DEADLOCK SEARCH
```

```
:
: PARAMETER ADDRESS=LCK$GL_EXTRASTK,- ;
:           DEFAULT=512,-
:           MIN=256,-
:           NAME=DLCKEXTRASTK,-
:           SIZE=LONG,-
:           TYPE=<SPECIAL>,-
:           UNIT=Bytes
```

```
:
: BALANCE SET COUNT - DETERMINES THE MAXIMUM NUMBER OF PROCESS THAT CAN BE
: BE CONCURRENTLY RESIDENT.
```

```
:
: PARAMETER ADDRESS=SGN$GL_BALSETCT,- ;
```

```

DEFAULT=36,-
MIN=4,-
MAX=1024,-
NAME=BALSETCNT,-
SIZE=LONG,-
TYPE=<SYSGEN,SYS,MAJOR>,-
UNIT=Slots

```

COUNT OF PRE-ALLOCATED I/O PACKETS - DETERMINES THE NUMBER OF I/O PACKETS TO BE PRE-ALLOCATED AND LINKED TOGETHER FOR FAST ALLOCATION AND DEALLOCATION.

```

PARAMETER ADDRESS=SGN$GL_IRPCNT,-
           DEFAULT=60,-
           MIN=0,-
           MAX=32768,-
           NAME=IRPCOUNT,-
           SIZE=LONG,-
           TYPE=<SYSGEN,MAJOR,SYS>,-
           UNIT=Packets

```

NUMBER OF PACKETS TO WHICH THE IRPLIST MAY BE EXTENDED.

```

PARAMETER ADDRESS=SGN$GL_IRPCNTV,-
           DEFAULT=1000,-
           MIN=0,-
           MAX=32768,-
           NAME=IRPCOUNTV,-
           SIZE=LONG,-
           TYPE=<SYSGEN,SYS>,-
           UNIT=Packets

```

MAXIMUM SIZE OF PROCESS WORKING SET. DETERMINES THE SYSTEM WIDE MAXIMUM SIZE OF A PROCESS WORKING SET REGARDLESS OF PROCESS QUOTA.

```

PARAMETER ADDRESS=SGN$GL_MAXWSCNT,-
           DEFAULT=1024,-
           MIN=60,-
           MAX=64000,-
           NAME=WSMAX,-
           SIZE=LONG,-
           TYPE=<SYSGEN,SYS,MAJOR>,-
           UNIT=Pages

```

NON-PAGED DYNAMIC POOL - DETERMINES THE NUMBER OF BYTES TO ALLOCATE FOR THE NON-PAGED DYNAMIC POOL.

```

PARAMETER ADDRESS=SGN$GL_NPAGEDYN,-
           DEFAULT=131072,-
           MIN=16384,-
           NAME=NPAGEDYN,-
           SIZE=LONG,-
           TYPE=<SYSGEN,SYS,MAJOR>,-
           UNIT=Bytes

```

NON-PAGED DYNAMIC POOL - DETERMINES THE NUMBER OF BYTES TO WHICH THE NON-PAGED DYNAMIC POOL MAY BE EXTENDED. THIS PARAMETER IS USED TO ALLOCATE THE NECESSARY PAGE TABLE ENTRIES.

```
PARAMETER      ADDRESS=SGN$GL_NPAGEVIR,-
                DEFAULT=400000,-
                MIN=16384,-
                NAME=NPAGEVIR,-
                SIZE=LONG,-
                TYPE=<SYSGEN,SYS>,-
                UNIT=Bytes
```

PAGED DYNAMIC POOL - DETERMINES THE NUMBER OF BYTES TO ALLOCATE FOR THE PAGED DYNAMIC POOL.

```
PARAMETER      ADDRESS=SGN$GL_PAGEDYN,-
                DEFAULT=190000,-
                MIN=10240,-
                NAME=PAGEDYN,-
                SIZE=LONG,-
                TYPE=<SYSGEN,SYS,MAJOR>,-
                UNIT=Bytes
```

MAXIMUM VIRTUAL PAGE COUNT - DETERMINES THE TOTAL NUMBER OF PAGES THAT CAN BE MAPPED FOR A PROCESS, WHICH CAN BE DIVIDED IN ANY FASHION BETWEEN P0 AND P1 SPACE.

```
PARAMETER      ADDRESS=SGN$GL_MAXVPGCT,-
                DEFAULT=8192,-
                MIN=512,-
                MAX=300000,-
                NAME=VIRTUALPAGECNT,-
                SIZE=LONG,-
                TYPE=<SYSGEN,SYS,MAJOR>,-
                UNIT=Pages
```

MORE THAN 128 MEGABYTES

REQUESTED SPT EXTENSION - NUMBER OF ADDITIONAL SPT SLOT TO ALLOW

```
PARAMETER      ADDRESS=SGN$GL_SPTREQ,-
                DEFAULT=896,-
                NAME=SPTREQ,-
                SIZE=LONG,-
                TYPE=<SYS,SYSGEN>,-
                UNIT=Pages
```

EXTRA USER STACK AUTOMATICALLY PROVIDED BY THE IMAGE ACTIVATOR SO THAT THE OPERATING SYSTEM CAN RECOVER FROM A STACK OVERFLOW.

```
PARAMETER      ADDRESS=SGN$GL_EXUSRSTK,-
                DEFAULT=<2*512>,-
                MIN=<2*512>,-
                NAME=EXUSRSTK,-
                SIZE=LONG,-
                TYPE=<SPECIAL>,-
```

UNIT=<Pages*512> ;

NUMBER OF LARGE REQUEST PACKETS TO ALLOCATE TO THE LRP LOOK ASIDE LIST

```

PARAMETER      ADDRESS=SGN$GL_LRPCNT,- ;
                DEFAULT=4,- ;
                MIN=0,- ;
                MAX=4096,- ;
                NAME=LRPCOUNT,- ;
                SIZE=LONG,- ;
                TYPE=<SYS,SYSGEN,MAJOR>,- ;
                UNIT=<Packets> ;
    
```

NUMBER OF LARGE REQUEST PACKETS TO WHICH THE LRP LOOK ASIDE LIST
MAY BE EXTENDED. USED TO ALLOCATE THE APPROPRIATE VIRTUAL SPACE.

```

PARAMETER      ADDRESS=SGN$GL_LRPCNTV,- ;
                DEFAULT=80,- ;
                MIN=0,- ;
                MAX=4096,- ;
                NAME=LRPCOUNTV,- ;
                SIZE=LONG,- ;
                TYPE=<SYS,SYSGEN>,- ;
                UNIT=<Packets> ;
    
```

SIZE OF LARGE REQUEST PACKETS (BYTES)

```

PARAMETER      ADDRESS=SGN$GL_LRPSIZE,- ;
                DEFAULT=576,- ;
                MIN=256,- ;
                MAX=16384,- ;
                NAME=LRPSIZE,- ;
                SIZE=LONG,- ;
                TYPE=<SYS,SYSGEN>,- ;
                UNIT=<Bytes> ;
    
```

MINIMUM ALLOCATION REQUEST FOR LARGE REQUEST PACKETS (BYTES)

```

PARAMETER      ADDRESS=SGN$GL_LRPMIN,- ;
                DEFAULT=480,- ;
                MIN=256,- ;
                MAX=16384,- ;
                NAME=LRPMIN,- ;
                SIZE=LONG,- ;
                TYPE=<SPECIAL>,- ;
                UNIT=<Bytes> ;
    
```

NUMBER OF SMALL REQUEST PACKETS TO ALLOCATE TO THE SRP LOOK ASIDE LIST

```

PARAMETER      ADDRESS=SGN$GL_SRPCNT,- ;
                DEFAULT=120,- ;
                MIN=0,- ;
                MAX=4096,- ;
                NAME=SRPCOUNT,- ;
                SIZE=LONG,- ;
                TYPE=<SYS,SYSGEN,MAJOR>,- ;
    
```

UNIT=<Packets> ;

NUMBER OF SMALL REQUEST PACKETS TO WHICH THE SRP LOOK ASIDE LIST
MAY BE EXTENDED. USED TO ALLOCATE THE APPROPRIATE VIRTUAL SPACE.

PARAMETER ADDRESS=SGN\$GL_SRPCNTV,- ;
DEFAULT=1000,- ;
MIN=0,- ;
MAX=131072,- ;
NAME=SRPCOUNTV,- ;
SIZE=LONG,- ;
TYPE=<SYS,SYSGEN>,- ;
UNIT=<Packets> ;

SIZE OF SMALL REQUEST PACKETS (BYTES)

PARAMETER ADDRESS=SGN\$GL_SRPSIZE,- ;
DEFAULT=96,- ;
MIN=96,- ;
MAX=144,- ;
NAME=SRPSIZE,- ;
SIZE=LONG,- ;
TYPE=<SPECIAL>,- ;
UNIT=<Bytes> ;

MINIMUM ALLOCATION REQUEST FOR SMALL REQUEST PACKETS (BYTES)

PARAMETER ADDRESS=SGN\$GL_SRPMIN,- ;
DEFAULT=32,- ;
MIN=0,- ;
MAX=144,- ;
NAME=SRPMIN,- ;
SIZE=LONG,- ;
TYPE=<SPECIAL>,- ;
UNIT=<Bytes> ;

PERMANENT I/O CHANNEL COUNT - SPECIFES THE NUMBER OF PERMANENT I/O
CHANNELS TO PROVIDE.

PARAMETER ADDRESS=SGN\$GW_PCHANCNT,- ;
DEFAULT=127,- ;
MIN=31,- ;
MAX=2047,- ;
NAME=CHANNELCNT,- ;
SIZE=WORD,- ;
TYPE=<SPECIAL>,- ;
UNIT=Channels ;

PROCESS I/O PAGES - SPECIFIES THE NUMBER OF PAGES OF PROCESS
I/O ADDRESS SPACE FOR PRCSTRT TO CREATE.

PARAMETER ADDRESS=SGN\$GW_PIOPAGES,- ;
DEFAULT=120,- ;
MIN=10,- ;
NAME=PIOPAGES,- ;
SIZE=WORD,- ;

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```

TYPE=<SPECIAL>, - ;
UNIT=Pages

```

```

CONTROL REGION IMPURE PAGES - SPECIFIES THE NUMBER OF PAGES OF
PROCESS ALLOCATION REGION SPACE FOR PROCSTRT TO CREATE.

```

```

PARAMETER ADDRESS=SGN$GW_CTLPAGES, - ;
          DEFAULT=50, -
          MIN=10, -
          NAME=CTLPAGES, -
          SIZE=WORD, -
          TYPE=<SPECIAL>, -
          UNIT=Pages

```

```

LIMIT ON USE OF THE PROCESS ALLOCATION REGION BY IMAGE REQUESTS

```

```

PARAMETER ADDRESS=SGN$GW_CTLIMGLIM, - ;
          DEFAULT=35, -
          MIN=0, -
          NAME=CTLIMGLIM, -
          SIZE=WORD, -
          TYPE=<SPECIAL>, -
          UNIT=Pages

```

```

DEFAULT NUMBER OF PAGES OF IMAGE I/O ADDRESS SPACE USED BY
THE IMAGE ACTIVATOR IF NOT SPECIFIED AT PROGRAM LINK TIME.

```

```

PARAMETER ADDRESS=SGN$GW_IMGIOCNT, - ;
          DEFAULT=64, -
          MIN=32, -
          NAME=IMGIOCNT, -
          SIZE=WORD, -
          TYPE=<DYNAMIC,SPECIAL>, -
          UNIT=Pages

```

```

.PAGE
.SBTTL CONTROL PARAMETERS

```

```

.IIF NOT_DEFINED GETSYSW, .ALIGN WORD

```

```

GENERAL SYSTEM CONTROL PARAMETERS

```

```

PARAMETER ADDRESS=SCH$GW_QUAN, - ; PROCESS QUANTUM
          DEFAULT=-20, - ; NEGATED
          MIN=2, -
          MAX=32767, -
          NAME=QUANTUM, -
          SIZE=WORD, -
          TYPE=<DYNAMIC,SYS,NEG,MAJOR>, - ;
          UNIT=10ms

```

```

MODIFIED PAGE WRITER CONTROL PARAMETERS

```

```

DEFINE MPWSAW_INITVAL

```


PAGE WRITE CLUSTER FACTOR - SPECIFIES THE NUMBER OF PAGES TO ATTEMPT TO WRITE AS A SINGLE I/O TRANSFER TO CONTIGUOUS DISK.

```

PARAMETER      ADDRESS=MPW$GW_MPWPFC,- :
                DEFAULT=96,-
                MIN=16,-
                MAX=120,-
                NAME=MPW WRTCLUSTER,-
                SIZE=WORD,-
                TYPE=<SYSGEN,SYS>,-
                UNIT=Pages
    
```

MODIFIED PAGE LIST HIGH LIMIT - THRESHOLD AT WHICH TO BEGIN WRITING MODIFIED PAGES.

```

PARAMETER      ADDRESS=MPW$GW_HILIM,- :
                DEFAULT=500,-
                MIN=0,-
                MAX=16384,-
                NAME=MPW HILIMIT,-
                SIZE=WORD,-
                TYPE=<SYSGEN,SYS>,-
                UNIT=Pages
    
```

MODIFIED PAGE LIST LOW LIMIT - THRESHOLD AT WHICH MODIFIED PAGE WRITING WILL NORMALLY STOP. WRITING STARTED AT THE HIGH LIMIT AND PAGES ARE WRITTEN IN CHUNKS CONTROLLED BY THE CLUSTER FACTOR. WHEN THE LENGTH OF THE MODIFIED PAGE LIST HAS BEEN REDUCED BELOW THE LOW LIMIT, WRITING CEASES UNTIL ENOUGH PAGES HAVE BEEN ADDED TO EXCEED THE HIGH LIMIT.

```

PARAMETER      ADDRESS=MPW$GW_LOLIM,- :
                DEFAULT=32,-
                MIN=0,-
                MAX=16384,-
                NAME=MPW LOLIMIT,-
                SIZE=WORD,-
                TYPE=<SYSGEN,SYS>,-
                UNIT=Pages
    
```

MODIFIED PAGE WRITER I/O PRIORITY. THIS PARAMETER SETS THE PRIORITY OF I/O TRANSFERS INITIATED BY THE MODIFIED PAGE WRITER.

```

PARAMETER      ADDRESS=MPW$GB_PRIO,- :
                DEFAULT=4,-
                MIN=0,-
                MAX=31,-
                NAME=MPW PRIO,-
                SIZE=BYTE,-
                TYPE=<SPECIAL,DYNAMIC>
    
```

SWAPPER I/O PRIORITY. THIS PARAMETER SETS THE PRIORITY OF I/O TRANSFERS INITIATED BY THE SWAPPER.

```

PARAMETER      ADDRESS=SWP$GB_PRIO,- :
    
```

```

DEFAULT=4,-
MIN=0,-
MAX=31,-
NAME=SWP PRIO,-
SIZE=BYTE,-
TYPE=<SPECIAL,DYNAMIC>
    
```

MODIFIED PAGE WRITER LOWER LIMIT THRESHOLD STOPPING USE OF MODIFIED PAGE WRITER FROM BEING USED AS PRIMARY MECHANISM TO RECOVER MEMORY.

```

PARAMETER ADDRESS=MPW$GL_THRESH,-
           DEFAULT=200,-
           MIN=0,-
           MAX=16384,-
           NAME=MPW THRESH,-
           SIZE=LONG,-
           TYPE=<SYS,DYNAMIC>
    
```

MODIFIED PAGE WRITER BUSY WAIT LIMIT. THIS IS USED AS A THRESHOLD OF WHEN TO PUT A PROCESS INTO RESOURCE WAIT IF IT IS GENERATING A MODIFIED PAGE AND THE SIZE OF THE MODIFIED LIST IS GREATER THAN THIS PARAMETER.

```

PARAMETER ADDRESS=MPW$GL_WAITLIM,-
           DEFAULT=500,-
           MIN=0,-
           MAX=16384,-
           NAME=MPW WAITLIMIT,-
           SIZE=LONG,-
           TYPE=<SYS,DYNAMIC>
    
```

MAXIMUM NUMBER OF WORKING SET LIST ENTRIES THAT MAY BE SKIPPED WHILE SCANNING FOR A "GOOD" ENTRY TO DISCARD. SET TO 0 TO DISABLE SKIPPING.

```

PARAMETER ADDRESS=SGN$GW_WSLMXSKP,-
           DEFAULT=8,-
           MIN=0,-
           MAX=512,-
           NAME=TBSKIPWSL,-
           SIZE=WORD,-
           TYPE=<DYNAMIC,SPECIAL>,-
           UNIT=Pages
    
```

Maximum number of physical pages to be used - permits testing of smaller memory configurations without actually removing memory boards.

```

PARAMETER ADDRESS=MMG$GL_PHYPGCNT,-
           DEFAULT=262144,-
           MIN=2048,-
           MAX=262144,-
           NAME=PHYSICALPAGES,-
           SIZE=LONG,-
           TYPE=<SPECIAL>,-
           UNIT=Pages
    
```

Page fault rate lower threshold. This parameter sets the lower page fault rate

: threshold for automatic working set size adjustment.

```

PARAMETER      ADDRESS=SCH$GL_PFRATL,- ;
                DEFAULT=0,-           ;
                MIN=0,-               ;
                NAME=PFRATL,-         ;
                SIZE=LONG,-           ;
                TYPE=<SYS,DYNAMIC,MAJOR>,- ;
                UNIT=Flts/10Sec      ;

```

: Page fault rate high threshold. This parameter sets the upper page fault rate threshold for automatic working set adjustment.

```

PARAMETER      ADDRESS=SCH$GL_PFRATH,- ;
                DEFAULT=120,-          ;
                MIN=0,-               ;
                NAME=PFRATH,-         ;
                SIZE=LONG,-           ;
                TYPE=<SYS,DYNAMIC,MAJOR>,- ;
                UNIT=Flts/10Sec      ;

```

: Page fault rate system threshold. This parameter sets the target system page fault threshold.

```

PARAMETER      ADDRESS=SCH$GL_PFRATS,- ;
                DEFAULT=0,-           ;
                MIN=0,-               ;
                NAME=PFRATS,-         ;
                SIZE=LONG,-           ;
                TYPE=<SPECIAL,DYNAMIC>,- ;
                UNIT=Flts/10Sec      ;

```

: Working set increment. This parameter sets the number of pages to increase the working set size to compensate for a high page fault rate.

```

PARAMETER      ADDRESS=SCH$GL_WSINC,- ;
                DEFAULT=150,-         ;
                MIN=0,-               ;
                NAME=WSINC,-          ;
                SIZE=LONG,-           ;
                TYPE=<SYS,DYNAMIC,MAJOR>,- ;
                UNIT=Pages            ;

```

: Working set decrement. This parameter sets the number of pages to decrease the working set to compensate for a page fault rate below the lower threshold.

```

PARAMETER      ADDRESS=SCH$GL_WSDEC,- ;
                DEFAULT=35,-          ;
                MIN=0,-               ;
                NAME=WSDEC,-          ;
                SIZE=LONG,-           ;
                TYPE=<SYS,DYNAMIC,MAJOR>,- ;
                UNIT=Pages            ;

```

: Working set minimum. Sets the minimum working set size to ever be set by the automatic adjustment logic.

```

PARAMETER      ADDRESS=SCH$GW_AWSMIN,- ;
                DEFAULT=50,-          ;
                MIN=0,-                ;
                NAME=AWSMIN,-          ;
                SIZE=WORD,-            ;
                TYPE=<SYS,DYNAMIC>,-   ;
                UNIT=Pages             ;

```

Working set measurement interval. Sets the minimum interval of compute time for the measurement of page fault rate.

```

PARAMETER      ADDRESS=SCH$GL_AWSTIME,- ;
                DEFAULT=20,-           ;
                MIN=1,-                ;
                NAME=AWSTIME,-         ;
                SIZE=LONG,-            ;
                TYPE=<SYS,DYNAMIC>,-   ;
                UNIT=10Ms              ;

```

Swap rate control. This parameter sets the swapping rate and serves to limit the consumption of disk bandwidth by swapping.

```

PARAMETER      ADDRESS=SCH$GL_SWPRATE,- ;
                DEFAULT=500,-          ;
                MIN=0,-                ;
                NAME=$WPRATE,-         ;
                SIZE=LONG,-            ;
                TYPE=<SPECIAL,DYNAMIC>,- ;
                UNIT=10Ms/Swap         ;

```

Desired process page count for an outswap swap. This parameter sets the number of pages to attempt to reduce a working set to before starting the outswap.

```

PARAMETER      ADDRESS=SWP$GL_SWPPGCNT,- ;
                DEFAULT=60,-           ;
                MIN=0,-                ;
                NAME=$WPOUTPGCNT,-     ;
                SIZE=LONG,-            ;
                TYPE=<SYS,DYNAMIC>,-   ;
                UNIT=Pages              ;

```

Swap file allocation increment value. The size in blocks to use to backup swap file space allocation in the swap or page file. Space in the file will be allocated multiples of this unit up to wsquota to guarantee swap space.

```

PARAMETER      ADDRESS=SWP$GW_SWPINC,- ;
                DEFAULT=96,-           ;
                MIN=16,-               ;
                NAME=SWPALLOCINC,-     ;
                SIZE=WORD,-            ;
                TYPE=<SPECIAL>,-       ;
                UNIT=Blocks             ;

```

I/O time allowance. This parameter sets the number of 10 millisecond

units to charge the current residence quantum for each voluntary wait.
The correct value approximates the cost of a disk I/O neglecting wait time.

```
PARAMETER      ADDRESS=SCH$GW_IOTA,-      ;
                DEFAULT=2,-              ;
                MIN=0,-                   ;
                MAX=32767,-               ;
                NAME=IOTA,-               ;
                SIZE=WORD,-               ;
                TYPE=<SPECIAL,DYNAMIC>,- ;
                UNIT=10Ms                  ;
```

Elapsed realtime to cause a HIB or LEF process to look like it is in longwait. This parameter sets the number of 1 second units that need to have elapsed. Longwait processes are one of the most eligible to attempt to recover pages from when a shortage is detected.

```
PARAMETER      ADDRESS=SCH$GW_LONGWAIT,-  ;
                DEFAULT=30,-              ;
                MIN=0,-                   ;
                MAX=65535,-               ;
                NAME=LONGWAIT,-           ;
                SIZE=WORD,-               ;
                TYPE=<SYS,DYNAMIC>,-      ;
                UNIT=Seconds               ;
```

Elapsed realtime to cause a low priority COM process to look like it is dormant. This parameter sets the number of 1 second units that need to have elapsed. Dormant processes are one of the most eligible to attempt to recover pages from when a shortage is detected.

```
PARAMETER      ADDRESS=SCH$GW_DORMANTWAIT,- ;
                DEFAULT=10,-              ;
                MIN=0,-                   ;
                MAX=65535,-               ;
                NAME=DORMANTWAIT,-        ;
                SIZE=WORD,-               ;
                TYPE=<SYS,DYNAMIC>,-      ;
                UNIT=Seconds               ;
```

Swap fail count. This parameter sets the number of consecutive swap schedule failures to occur before the swap schedule algorithm changes to ignore the swap quantum protection.

```
PARAMETER      ADDRESS=SCH$GW_SWPFAIL,-   ;
                DEFAULT=20,-              ;
                MIN=0,-                   ;
                MAX=32767,-               ;
                NAME=SWPFAIL,-            ;
                SIZE=WORD,-               ;
                TYPE=<SPECIAL,DYNAMIC>    ;
```

These are reserved parameters for undefined use by either Digital or user written system services.

⋮
This is the start of the Digital reserved parameters.
⋮

PARAMETER ADDRESS=SGN\$GL_VMSD1,- ;
DEFAULT=0,- ;
MIN=0,- ;
NAME=VMSD1,- ;
SIZE=LONG,- ;
TYPE=<SPECIAL,DYNAMIC> ;

PARAMETER ADDRESS=SGN\$GL_VMSD2,- ;
DEFAULT=0,- ;
MIN=0,- ;
NAME=VMSD2,- ;
SIZE=LONG,- ;
TYPE=<SPECIAL,DYNAMIC> ;

PARAMETER ADDRESS=SGN\$GL_VMSD3,- ;
DEFAULT=0,- ;
MIN=0,- ;
NAME=VMSD3,- ;
SIZE=LONG,- ;
TYPE=<SPECIAL,DYNAMIC> ;

PARAMETER ADDRESS=SGN\$GL_VMSD4,- ;
DEFAULT=0,- ;
MIN=0,- ;
NAME=VMSD4,- ;
SIZE=LONG,- ;
TYPE=<SPECIAL,DYNAMIC> ;

PARAMETER ADDRESS=SGN\$GL_VMS5,- ;
DEFAULT=0,- ;
MIN=0,- ;
NAME=VMS5,- ;
SIZE=LONG,- ;
TYPE=<SPECIAL> ;

PARAMETER ADDRESS=SGN\$GL_VMS6,- ;
DEFAULT=0,- ;
MIN=0,- ;
NAME=VMS6,- ;
SIZE=LONG,- ;
TYPE=<SPECIAL> ;

PARAMETER ADDRESS=SGN\$GL_VMS7,- ;
DEFAULT=0,- ;
MIN=0,- ;
NAME=VMS7,- ;
SIZE=LONG,- ;
TYPE=<SPECIAL> ;

PARAMETER ADDRESS=SGN\$GL_VMS8,- ;
DEFAULT=0,- ;
MIN=0,- ;

NAME=VMS8,- ;
SIZE=LONG,- ;
TYPE=<SPECIAL> ;

This is the start of the user reserved sysgen parameters.

PARAMETER ADDRESS=SGN\$GL_USERD1,- ;
DEFAULT=0,- ;
MIN=0,- ;
NAME=USERD1,- ;
SIZE=LONG,- ;
TYPE=<DYNAMIC> ;

PARAMETER ADDRESS=SGN\$GL_USERD2,- ;
DEFAULT=0,- ;
MIN=0,- ;
NAME=USERD2,- ;
SIZE=LONG,- ;
TYPE=<DYNAMIC> ;

PARAMETER ADDRESS=SGN\$GL_USER3,- ;
DEFAULT=0,- ;
MIN=0,- ;
NAME=USER3,- ;
SIZE=LONG,- ;
TYPE=<> ;

PARAMETER ADDRESS=SGN\$GL_USER4,- ;
DEFAULT=0,- ;
MIN=0,- ;
NAME=USER4,- ;
SIZE=LONG,- ;
TYPE=<> ;

Extra CPU time. This parameter sets the number of 10 millisecond units to be allowed as an extension when CPU time expires. One extension is allowed for each access mode.

PARAMETER ADDRESS=SGN\$GL_EXTRACPU,- ;
DEFAULT=1000,- ; 10 Seconds
MIN=0,- ;
NAME=EXTRACPU,- ;
SIZE=LONG,- ;
TYPE=<SYS,DYNAMIC>,- ;
UNIT=10Ms ;

Maximum group code for system UIC

PARAMETER ADDRESS=EXE\$GL_SYSUIC,- ;
DEFAULT=8,- ;
MIN=1,- ;
MAX=32768,- ;
NAME=MAXSYSGROUP,- ;

```

SIZE=LONG,-
TYPE=<SYS,DYNAMIC>,-
UNIT=<UIC Group>

```

```

: Maximum time for a device to languish in mount verification before giving up.
:

```

```

PARAMETER ADDRESS=IOC$GW_MVTIMEOUT,-
           DEFAULT=600,- ; 10 minute default
           MIN=1,-
           MAX=64000,-
           NAME=MVTIMEOUT,-
           SIZE=WORD,-
           TYPE=<SYS,DYNAMIC>,-
           UNIT=Seconds

```

```

: Maximum allowable buffered I/O request size
:

```

```

PARAMETER ADDRESS=IOC$GW_MAXBUF,-
           DEFAULT=1584,-
           MIN=1200,-
           MAX=64000,-
           NAME=MAXBUF,-
           SIZE=WORD,-
           TYPE=<SYS,DYNAMIC>,-
           UNIT=Bytes

```

```

: Default buffer quota for Mailbox creation
:

```

```

PARAMETER ADDRESS=IOC$GW_MBXBFQUO,-
           DEFAULT=1056,-
           MIN=256,-
           MAX=64000,-
           NAME=DEFMBXBFQUO,-
           SIZE=WORD,-
           TYPE=<SYS,DYNAMIC>,-
           UNIT=Bytes

```

```

: Default maximum message size for Mailbox creation
:

```

```

PARAMETER ADDRESS=IOC$GW_MBXMXMSG,-
           DEFAULT=256,-
           MIN=64,-
           MAX=64000,-
           NAME=DEFMBXMXMSG,-
           SIZE=WORD,-
           TYPE=<SYS,DYNAMIC>,-
           UNIT=Bytes

```

```

: Default number of messages for Mailbox creation
:

```

```

PARAMETER ADDRESS=IOC$GW_MBXNUMMSG,-
           DEFAULT=16,-
           MIN=1,-
           NAME=DEFMBXNUMMSG,-
           SIZE=WORD,-
           TYPE=<SYS,DYNAMIC>,-

```


UNIT=Messages

DESIRED FREE LIST LENGTH - SPECIFIES THE NUMBER OF FREE PAGES TO BE MAINTAINED AVAILABLE BY THE SWAPPER.

PARAMETER ADDRESS=SGN\$GL_FREELIM,- ;
DEFAULT=32,-
MIN=16,-
NAME=FREE LIM,-
SIZE=LONG,-
TYPE=<SYS,SYSGEN,MAJOR>,-
UNIT=Pages

Target free list length - specifies the number of free pages that the swapper will attempt to make available when correcting for free list < FREELIM.

PARAMETER ADDRESS=SGN\$GL_FREEGOAL,- ;
DEFAULT=200,-
MIN=16,-
NAME=FREEGOAL,-
SIZE=LONG,-
TYPE=<SYS,MAJOR>,-
UNIT=Pages

DESIRED FREE LIST LENGTH THAT MUST EXIST TO ALLOW PROCESSES TO GROW PAST WSQUOTA.

PARAMETER ADDRESS=SCH\$GL_GROWLIM,- ;
DEFAULT=63,-
MIN=0,-
NAME=GROWLIM,-
SIZE=LONG,-
TYPE=<SYS,DYNAMIC,MAJOR>,-
UNIT=Pages

DESIRED FREE LIST LENGTH THAT MUST EXIST TO ALLOW PROCESSES TO GROW PAST WSQUOTA.

PARAMETER ADDRESS=SCH\$GL_BORROWLIM,- ;
DEFAULT=300,-
MIN=0,-
NAME=BORROWLIM,-
SIZE=LONG,-
TYPE=<SYS,DYNAMIC,MAJOR>,-
UNIT=Pages

NUMBER OF RETRIES TO PERFORM WHEN TRYING TO LOCK A MULTI-PROCESSOR DATA STRUCTURE

PARAMETER ADDRESS=EXE\$GL_LOCKRTRY,- ;
DEFAULT=100000,-
MIN=1,-
NAME=LOCKRETRY,-
SIZE=LONG,-
TYPE=<SPECIAL,DYNAMIC>,-

:**

:*

:**

:**

:**

:D

EXE

UNIT=Retries

: Maximum DR32 data rate

```
PARAMETER      ADDRESS=IOC$GW_XFMXRATE,-      ;
                DEFAULT=236,-
                MIN=0,-
                MAX=255,-
                NAME=XFMAXRATE,-
                SIZE=WORD,-
                TYPE=<SYS,DYNAMIC>,-
                UNIT=Special
```

: Number of Unibus map registers to preallocate for LPA11

```
PARAMETER      ADDRESS=IOC$GW_LAMAPREG,-      ;
                DEFAULT=0,-
                MIN=0,-
                MAX=255,-
                NAME=LAMAPREGS,-
                SIZE=WORD,-
                TYPE=<SYS,SYSGEN>,-
                UNIT=Mapregs
```

: Number of SPT entries to preallocate for use by real time processes
: connecting to devices via the connect to interrupt driver.

```
PARAMETER      ADDRESS=EXE$GL_RTMSPT,-
                DEFAULT=0,-
                MIN=0,-
                NAME=REALTIME_SPTS,-
                SIZE=LONG,-
                TYPE=<SYS,SYSGEN>,-
                UNIT=Pages
```

: Number of pages created for command interpreter symbol table.

```
PARAMETER      ADDRESS=EXE$GL_CLITABL,-
                DEFAULT=60,-
                MIN=10,-
                MAX=128,-
                NAME=CLISYMTBL,-
                SIZE=LONG,-
                TYPE=<SYS,SYSGEN,DYNAMIC>,-
                UNIT=Pages
```

: Initial size of lock id table (and growing increment).

```
PARAMETER      ADDRESS=LCK$GL_IDTBLSIZ,-
                DEFAULT=200,-
```

```

MIN=40,-
MAX=65535,-
NAME=LOCKIDTBL,-
SIZE=LONG,-
TYPE=<SYS,SYSGEN,MAJOR>,-
UNIT=Entries

```

```

:
: Maximum size of lock id table.
:

```

```

PARAMETER      ADDRESS=LCK$GL_IDTBLMAX,-
                DEFAULT=800,-
                MIN=200,-
                MAX=65535,-
                NAME=LOCKIDTBL_MAX,-
                SIZE=LONG,-
                TYPE=<SYS,SYSGEN,MAJOR,DYNAMIC>,-
                UNIT=Entries

```

```

:
: Size of resource hash table.
:

```

```

PARAMETER      ADDRESS=LCK$GL_HTBLSIZ,-
                DEFAULT=64,-
                MIN=1,-
                MAX=8192,-
                NAME=RESHASHTBL,-
                SIZE=LONG,-
                TYPE=<SYS,SYSGEN,MAJOR>,-
                UNIT=Entries

```

```

:
: Deadlock detection timeout period
:

```

```

PARAMETER      ADDRESS=LCK$GL_WAITTIME,-
                DEFAULT=10,-
                MIN=0,-
                NAME=DEADLOCK_WAIT,-
                SIZE=LONG,-
                TYPE=<SYS,DYNAMIC>,-
                UNIT=Seconds

```

```

:
: SCS allocation counts - Buffer Descriptor Table entries
:

```

```

PARAMETER      ADDRESS=SCS$GW_BDTCNT,-
                DEFAULT=50,-
                MIN=0,-
                MAX=32767,-
                NAME=SCSBUFFCNT,-
                SIZE=WORD,-
                TYPE=<SYSGEN,SCS>,-
                UNIT=Entries

```

```

SYS
:
EXE
:
: D
:
: D
:
EXE
:
:
:
:

```

SCS allocation counts - Connect Descriptor Table entries

PARAMETER ADDRESS=SCS\$GW_CDTCNT,-
DEFAULT=40,-
MIN=2,-
MAX=32767,-
NAME=SCSCONNCNT,-
SIZE=WORD,-
TYPE=<SYSGEN,SCS>,-
UNIT=Entries

SCS allocation counts - Response Descriptor Table entries

PARAMETER ADDRESS=SCS\$GW_RDTCNT,-
DEFAULT=100,-
MIN=0,-
MAX=32767,-
NAME=SCSRÉSPCNT,-
SIZE=WORD,-
TYPE=<SYSGEN,SCS>,-
UNIT=Entries

SCS maximum datagram size

PARAMETER ADDRESS=SCS\$GW_MAXDG,-
DEFAULT=576,-
MIN=28,-
MAX=985,-
NAME=SCS\$MAXDG,-
SIZE=WORD,-
TYPE=<SYSGEN,SCS>,-
UNIT=Bytes

SCS maximum sequenced message size

PARAMETER ADDRESS=SCS\$GW_MAXMSG,-
DEFAULT=112,-
MIN=52,-
MAX=985,-
NAME=SCS\$MAXMSG,-
SIZE=WORD,-
TYPE=<SYSGEN,SCS>,-
UNIT=Bytes

SCS flow control cushion

PARAMETER ADDRESS=SCS\$GW_FLOWCUSH,-

```

DEFAULT=1,-
MIN=0,-
MAX=16,-
NAME=SCSFLOWCUSH,-
SIZE=WORD,-
TYPE=<SCS,DYNAMIC>,-
UNIT=Credits

```

```

: SCS system id (unique 48 bit number per system)
:

```

```

PARAMETER ADDRESS=SCS$GB_SYSTEMID,-
           DEFAULT=0,-
           NAME=SCSSYSTEMID,-
           SIZE=LONG,-
           TYPE=<SYSGEN,SCS>,-
           UNIT=Pure-number

```

```

PARAMETER ADDRESS=SCS$GB_SYSTEMIDH,-
           DEFAULT=0,-
           NAME=SCSSYSTEMIDH,-
           SIZE=LONG,-
           TYPE=<SYSGEN,SCS>,-
           UNIT=Pure-number

```

```

: SCS system node name
:

```

```

PARAMETER ADDRESS=SCS$GB_NODENAME,-
           DEFAULT=<^A/ />,-
           MIN=<^A/ />,-
           MAX=<^A/ZZZZ/>,-
           NAME=SCSNODE,-
           SIZE=QUAD,-
           TYPE=<ASCII,SYSGEN,SCS>,-
           UNIT=Ascii

```

```

: SCA process poller - polling interval
:

```

```

PARAMETER ADDRESS=SCS$GW_PRCPOLINT,-
           DEFAULT=15,-
           MIN=1,-
           MAX=32767,-
           NAME=PRCPOLINTERVAL,-
           SIZE=WORD,-
           TYPE=<SCS,DYNAMIC>,-
           UNIT=Seconds

```

```

: CI port - timeout for START/STACK sequence, also basic driver wakeup interval
:

```

```
PARAMETER      ADDRESS=SCS$GW_PASTMOUT,-  
                DEFAULT=5,-  
                MIN=1,-  
                MAX=99,-  
                NAME=PASTIMOUT,-  
                SIZE=WORD,-  
                TYPE=<SCS,DYNAMIC>,-  
                UNIT=Seconds
```

```
:: CI port - number of DG buffers to queue for START handshake  
::
```

```
PARAMETER      ADDRESS=SCS$GW_PAPPDDG,-  
                DEFAULT=4,-  
                MIN=1,-  
                MAX=16,-  
                NAME=PASTDGBUF,-  
                SIZE=WORD,-  
                TYPE=<SCS>,-  
                UNIT=Buffers
```

```
:: CI port - number of ports to poll each interval (for future expansion)  
::
```

```
PARAMETER      ADDRESS=SCS$GB_PANPOLL,-  
                DEFAULT=16,-  
                MIN=1,-  
                MAX=223,-  
                NAME=PANUMPOLL,-  
                SIZE=BYTE,-  
                TYPE=<SCS,DYNAMIC>,-  
                UNIT=Ports
```

```
:: CI port - maximum port # to poll each interval (for future expansion)  
::
```

```
PARAMETER      ADDRESS=SCS$GB_PAMXPORT,-  
                DEFAULT=15,-  
                MIN=0,-  
                MAX=223,-  
                NAME=PAMAXPORT,-  
                SIZE=BYTE,-  
                TYPE=<SCS,DYNAMIC>,-  
                UNIT=Port-number
```

```
:: CI port - time between poll initiates  
::
```

```
PARAMETER      ADDRESS=SCS$GW_PAPOLINT,-  
                DEFAULT=5,-  
                MIN=1,-  
                MAX=32767,-  
                NAME=PAPOLLINTERVAL,-
```

SIZE=WORD,-
TYPE=<SCS,DYNAMIC>,-
UNIT=Seconds

CI port - time between check for SYSAP's waiting for pool

PARAMETER ADDRESS=SCS\$GW_PAPOOLIN,-
DEFAULT=15,-
MIN=1,-
MAX=32767,-
NAME=PAPOOLINTERVAL,-
SIZE=WORD,-
TYPE=<SCS,DYNAMIC>,-
UNIT=Seconds

CI port - Flags including sanity timer enable/disable

PARAMETER ADDRESS=SCS\$GB_PASANITY,-
DEFAULT=1,-
MIN=0,-
MAX=1,-
NAME=PASANITY,-
SIZE=BYTE,-
TYPE=<SCS,DYNAMIC>,-
UNIT=Boolean

CI port - Flags including CI remote port polling enable/disable

PARAMETER ADDRESS=SCS\$GB_PANOPOLL,-
DEFAULT=0,-
MIN=0,-
MAX=1,-
NAME=PANOPOLL,-
SIZE=BYTE,-
TYPE=<SCS,DYNAMIC>,-
UNIT=Boolean

This is the start of the PEDRIVER reserved SYSGEN parameters.

PARAMETER ADDRESS=SGN\$GL_PE1,-
DEFAULT=0,-
MIN=0,-
NAME=PE1,-
SIZE=LONG,-
TYPE=<SPECIAL,DYNAMIC>

PARAMETER ADDRESS=SGN\$GL_PE2,-
DEFAULT=0,-


```

MIN=0,-
MAX=31,-
NAME=UDABURSTRATE,-
SIZE=BYTE,-
TYPE=<SYSGEN,SCS>,-
UNIT=Longwords
    
```

NOTE: The following two entries must be contiguous and in order!!!!

Size of SYSTEM space logical name hash table.

```

PARAMETER      ADDRESS=LNMSGH_HTBLSIZS,-
                DEFAULT=128,-
                MIN=1,-
                MAX=16383,-
                NAME=LNMSHASHTBL,-
                SIZE=LONG,-
                TYPE=<SYS,SYSGEN>,-
                UNIT=Entries
    
```

Size of PROCESS space logical name hash table.

```

PARAMETER      ADDRESS=LNMSGH_HTBLSIZP,-
                DEFAULT=128,-
                MIN=1,-
                MAX=16383,-
                NAME=LNMPHASHTBL,-
                SIZE=LONG,-
                TYPE=<SYS,SYSGEN>,-
                UNIT=Entries
    
```

.IF NOT_DEFINED GETSYISW

PERMANENT DEFAULT SYSTEM FLAGS

```

.ALIGN LONG
.IF NDF,PRMSW
EXESGL_DEFFLAGS::
.ENDC
.LONG <10EXESV_SYSPAGING>- : ENABLE SYSTEM CODE PAGING
      !<10EXESV_POOLPGING>- : ENABLE SYSTEM POOL PAGING
      !<10EXESV_SBIERR>- : SBI ERROR DETECTION
      !<10EXESV_BUGREBOOT>- : AUTOMATIC REBOOT ON BUGCHECK
      !<10EXESV_CRDENABL>- : ENABLE CRD ERROR DETECTION
      !<10EXESV_BUGDUMP>- : SYSTEM DUMP ON BUGCHECK
      !<10EXESV_CONCEALED>- : ENABLE USE OF CONCEALED DEVICES
      !<10EXESV_JOBQUEUES>- : Enable job controller queues
      !<10EXESV_SHRF11ACP> : SHARE F11ACP
    
```

.ENDC ; NOT_DEFINED GETSYISW

BUGCHECK REBOOT - ENABLES AUTOMATIC REBOOT ON BUGCHECK

.LIST ME
.NLIST CND
PARAMETER

ADDRESS=EXESGL_DEFFLAGS,- ;
DEFAULT=1,-
MAX=1,-
MIN=0,-
NAME=BUGREBOOT,-
BIT=EXESV_BUGREBOOT,- ;
TYPE=<DYNAMIC,SYS>,- ;
UNIT=Boolean

.NLIST ME
.LIST CND

CRD ERROR ENABLE - ENABLES DETECTION AND LOGGING OF MEMORY CRD ERRORS

PARAMETER

ADDRESS=EXESGL_DEFFLAGS,- ;
DEFAULT=1,-
MAX=1,-
MIN=0,-
NAME=CRDENABLE,-
BIT=EXESV_CRDENABL,- ;
TYPE=<SYS,SYSGEN>,- ;
UNIT=Boolean

BUGCHECK DUMP ENABLE - ENABLE SYSTEM DUMP ON BUGCHECK

PARAMETER

ADDRESS=EXESGL_DEFFLAGS,- ;
DEFAULT=1,-
MAX=1,-
MIN=0,-
NAME=DUMPBUG,-
BIT=EXESV_BUGDUMP,- ;
TYPE=<SYS>,-
UNIT=Boolean

FATAL BUGCHECK - TURNS ALL CONTINUABLE BUGCHECKS INTO FATAL BUGCHECKS

PARAMETER

ADDRESS=EXESGL_DEFFLAGS,- ;
DEFAULT=0,-
MAX=1,-
MIN=0,-
NAME=BUGCHECKFATAL,- ;
BIT=EXESV_FATAL_BUG,- ;
TYPE=<SYS,DYNAMIC>,- ;
UNIT=Boolean

MULTIPLE ACP - SPECIFIES THAT SEPARATE ACPS ARE TO BE CREATED FOR EACH CLASS OF DISK.

PARAMETER

ADDRESS=EXESGL_DEFFLAGS,- ;
DEFAULT=0,-
MAX=1,-
MIN=0,-


```

MIN=0,-
NAME=$BIERRRENABLE,-
BIT=EXESV_SBIERR,-
TYPE=<SPECIAL>,-
UNIT=Boolean

```

```

:
:
:
FORCE ENTRY OF TIME AT SYSTEM BOOT

```

```

PARAMETER ADDRESS=EXESGL_DEFFLAGS,-
           DEFAULT=0,-
           MAX=1,-
           MIN=0,-
           NAME=$SETTIME,-
           BIT=EXESV_SETTIME,-
           TYPE=<SYS,SYSGEN>,-
           UNIT=Boolean

```

```

:
:
:
ENABLE SHARING OF F11ACP

```

```

PARAMETER ADDRESS=EXESGL_DEFFLAGS,-
           DEFAULT=1,-
           MAX=1,-
           MIN=0,-
           NAME=ACP_SHARE,-
           BIT=EXESV_SHRF11ACP,-
           TYPE=<ACPS>,-
           UNIT=Boolean

```

```

:
:
:
ENABLE PAGING OF SYSTEM CODE

```

```

PARAMETER ADDRESS=EXESGL_DEFFLAGS,-
           DEFAULT=1,-
           MAX=1,-
           MIN=0,-
           NAME=SYSPAGING,-
           BIT=EXESV_SYSPAGING,-
           TYPE=<SPECIAL>,-
           UNIT=Boolean

```

```

:
:
:
SELECT ALTERNATE AUTHORIZATION FILE - CAUSES SYSINIT TO MAKE A LOGICAL
NAME REDIRECTING SYSUAF TO SYSUAFALT.

```

```

PARAMETER ADDRESS=EXESGL_DEFFLAGS,-
           DEFAULT=0,-
           MAX=1,-
           MIN=0,-
           NAME=UAFALTERNATE,-
           BIT=EXESV_SYSUAFALT,-
           TYPE=<SYS,SYSGEN>,-
           UNIT=Boolean

```

```

:
:
:
LEAVE SYSTEM WRITABLE - FOR DEBUGGING PURPOSES LEAVES SYSTEM CODE
WRITABLE.

```

```

PARAMETER ADDRESS=EXESGL_DEFFLAGS,-
           DEFAULT=0,-
           MAX=1,-

```

```

MIN=0,-
NAME=WRITABLESYS,-;
BIT=EXESV_SYSWRTABL,-;
TYPE=<SPECIAL>,-;
UNIT=Boolean

```

```

Enable resource allocation checking

```

```

PARAMETER ADDRESS=EXESGL_DEFFLAGS,-;
          DEFAULT=0,-;
          MAX=1,-;
          MIN=0,-;
          NAME=RESALLOC,-;
          BIT=EXESV_RESALLOC,-;
          TYPE=<SPECIAL>,-;
          UNIT=Boolean

```

```

SET TO INHIBIT SYSTEM SERVICES ON A PER PROCESS BASIS

```

```

PARAMETER ADDRESS=EXESGL_DEFFLAGS,-;
          DEFAULT=0,-;
          MAX=1,-;
          MIN=0,-;
          NAME=SSINHIBIT,-;
          BIT=EXESV_SINHIBIT,-;
          TYPE=<SPECIAL>,-;
          UNIT=Boolean

```

```

RESET TO DISABLE THE USE OF CONCEALED DEVICES

```

```

PARAMETER ADDRESS=EXESGL_DEFFLAGS,-;
          DEFAULT=1,-;
          MAX=1,-;
          MIN=0,-;
          NAME=CONCEAL_DEVICES,-;
          BIT=EXESV_CONCEALED,-;
          TYPE=<SPECIAL>,-;
          UNIT=Boolean

```

```

SAVEDUMP - IF THE DUMP IS IN THE PAGE FILE, SAVE IT UNTIL IT IS
ANALYZED AND COPIED.

```

```

PARAMETER ADDRESS=EXESGL_DEFFLAGS,-;
          DEFAULT=0,-;
          MAX=1,-;
          MIN=0,-;
          NAME=SAVEDUMP,-;
          BIT=EXESV_SAVEDUMP,-;
          TYPE=<SYSS>,-;
          UNIT=Boolean

```

```

CJFLOAD - Force CJF to be loaded as part of VMS during STARTUP

```



```

MIN=0,-
NAME=CLASS PROT,-;
BIT=EXESV CLASS PROT,-;
TYPE=<DYNAMIC,SYS>,-;
UNIT=Boolean

```

```

WRITESYSPARAMS - Set by SYSBOOT if a USE DEFAULT, USE "file", or a
SET command is executed. Cleared if a USE CURRENT or
WRITE CURRENT command is executed. If set STARTUP.COM
will issue a WRITE CURRENT SYSGEN command.

```

```

PARAMETER ADDRESS=EXESGL_DYNAMIC_FLAGS,-;
          DEFAULT=1,-;
          MAX=1,-;
          MIN=0,-;
          NAME=WRITESYSPARAMS,-;
          BIT=EXESV WRITESYSPARAMS,-;
          TYPE=<DYNAMIC,SPECIAL>,-;
          UNIT=Boolean

```

```

LGI_BRK_TERM - Use the terminal name in the association string
used in LOGIN's breakin detection. If not set,
breakin detection associates on username alone
for terminal logins.

```

```

PARAMETER ADDRESS=EXESGL_DYNAMIC_FLAGS,-;
          DEFAULT=1,-;
          MAX=1,-;
          MIN=0,-;
          NAME=LGI BRK_TERM,-;
          BIT=EXESV BRK_TERM,-;
          TYPE=<DYNAMIC,LGI>,-;
          UNIT=Boolean

```

```

LGI_BRK_DISUSER - If enabled, set the DISUSER flag in the user's
UAF record if a breakin attempt is detected.
This assures a permanent lockout of the user
until re-enabled by the system manager.

```

```

PARAMETER ADDRESS=EXESGL_DYNAMIC_FLAGS,-;
          DEFAULT=0,-;
          MAX=1,-;
          MIN=0,-;
          NAME=LGI BRK DISUSER,-;
          BIT=EXESV BRK_DISUSER,-;
          TYPE=<DYNAMIC,LGI>,-;
          UNIT=Boolean

```

```

      .IF      NOT_DEFINED GETSYISW

```

```

; STATIC SYSTEM CONTROL FLAGS.

```

```

:
: .ALIGN LONG
: .IF NDF,PRMSW
EXESGL_STATIC_FLAGS:: : Static SYSGEN flags
: .ENDC : NDF,PRMSW
: .LONG <1@EXESV XQP RESIDENT>!<1@EXESV_REBLDSYSD>
: .ENDC : NOT_DEFINED GETSYISW

$VIELD EXE,0,<- : DEFINITION FOR EXESGL_STATIC_FLAGS
XQP RESIDENT,- : MEMORY RESIDENT XQP
REBLDSYSD,- : REBUILD SYSTEM DISK IN SYSMOUNT
>

```

```

:
: .PAGE
: .SBTTL SYSTEM MESSAGE PARAMETERS
:
: DEFINE THE CONTROL BITS IN EXESGL_MSGFLAGS
:
$GBLINI GLOBAL
$VIELD EXE,0,<-
MOUNTMSG,- : ENABLE MOUNT NOTIFICATION
DISMOUNMSG,- : ENABLE DISMOUNT NOTIFICATION
>

```

```

:
: .IF NOT_DEFINED GETSYISW
:
: DEFINE THE EXESGL_MSGFLAGS LONGWORD AND ITS INITIAL VALUE.
:

```

```

:
: .ALIGN LONG
: .IF NDF,PRMSW
EXESGL_MSGFLAGS::
: .ENDC
: .LONG 0
: .ENDC : NOT_DEFINED GETSYISW

```

MOUNTMSG - CONTROLS OPERATOR NOTIFICATION OF VOLUME MOUNTING

```

PARAMETER ADDRESS=EXESGL_MSGFLAGS,- ;
DEFAULT=0,-
MAX=1,-
MIN=0,-
NAME=MOUNTMSG,-
BIT=EXESV MOUNTMSG,- ;
TYPE=<SYS,DYNAMIC>,- ;
UNIT=Boolean

```

DISMOUNMSG - Controls operator notification of volume dismounting

```

PARAMETER ADDRESS=EXESGL_MSGFLAGS,- ;
DEFAULT=0,-
MAX=1,-
MIN=0,-
NAME=DISMOUNMSG,- ;

```


BIT=EXESV_DISMOUMSG,- ;
TYPE=<SYS,DYNAMIC>,- ;
UNIT=Boolean

.PAGE
.SBTTL SYSTEM LOADABLE CODE PARAMETERS

DEFINE THE CONTROL BITS IN SGN\$GL_LOADFLAGS

\$GBLINI GLOBAL
\$VIELD SGN,0,<-
LOADERAPAT,- ; LOAD ERASE PATTERN GENERATOR
LOADCHKPRT,- ; LOAD PROTECTION CHECK ROUTINE
LOADMTACCESS,- ; LOAD INSTALLATION ACCESSIBILITY ROUTINE
>

.IF NOT_DEFINED GETSYISW

DEFINE THE SGN\$GL_LOADFLAGS LONGWORD AND ITS INITIAL VALUE.

.ALIGN LONG
.IF NDF,PRMSW
SGN\$GL_LOADFLAGS::
.ENDC
.LONG 0
.ENDC ; NOT_DEFINED GETSYISW

LOADERAPAT- CONTROLS LOADING OF ALTERNATE ERASE PATTERN GENERATOR

PARAMETER ADDRESS=SGN\$GL_LOADFLAGS,- ;
DEFAULT=0,-
MAX=1,-
MIN=0,-
NAME=LOADERAPT,- ;
BIT=SGN\$V_LOADERAPAT,- ;
TYPE=<SPECIAL>,- ;
UNIT=Boolean

LOADCHKPRT - CONTROLS LOADING OF ALTERNATE PROTECTION CHECK ROUTINE

PARAMETER ADDRESS=SGN\$GL_LOADFLAGS,- ;
DEFAULT=0,-
MAX=1,-
MIN=0,-
NAME=LOADCHKPRT,- ;
BIT=SGN\$V_LOADCHKPRT,- ;
TYPE=<SPECIAL>,- ;
UNIT=Boolean

LOADMTACCESS - CONTROLS LOADING OF INSTALLATION SPECIFIC ACCESSIBILITY ROUTINE

PARAMETER ADDRESS=SGN\$GL_LOADFLAGS,-
DEFAULT=0,-
MAX=1,-

MIN=0,-
NAME=LOADMTACCESS,-
BIT=SGNSV_LOADMTACCESS,-
TYPE=<SPECIAL>,-
UNIT=Boolean

.PAGE
.SBTTL TERMINAL DRIVER SYSTEM PARAMETERS

DIALUP SUPPORT CONTROL PARAMETERS

DELTA TIME FOR DIALUP TIMER SCAN

PARAMETER ADDRESS=TTY\$GL_DELTA,-
DEFAULT=<100000*100>,-
MIN=100000,-
NAME=TTY_SCANDELTA,-
SIZE=LONG,-
TYPE=<TTY>,-
UNIT=100Ns

FLAGS FOR DIALUP

BIT 0 is 0 => NORMAL, 1 => UNITED KINGDOM
BIT 1 SPECIFIES ALTERNATE MODEM PROTOCOL

PARAMETER ADDRESS=TTY\$GB_DIALTYP,-
DEFAULT=0,-
MIN=0,-
MAX=<^XOFF>,-
NAME=TTY_DIALTYPE,-
TYPE=<TTY>,-
SIZE=BYTE,-
UNIT=Bit-Encoded

NOTE ALIGNMENT!

TERMINAL CANONICAL CHARACTERISTICS

DEFAULT SPEED FOR TERMINALS

PARAMETER ADDRESS=TTY\$GB_DEFSPEED,-; DEFAULT SPEED FOR TERMINALS AND PARITY
DEFAULT=TTSC_BAUD_9600,-; 9600 BAUD - NO PARITY
MIN=1,-
MAX=16,-
NAME=TTY_SPEED,-
SIZE=BYTE,-
TYPE=<TTY>,-
UNIT=Special ; TTSC_BAUD VALUES

DEFAULT RECEIVE SPEED

PARAMETER ADDRESS=TTY\$GB_RSPEED,- ; THE RECEIVE SPEED FOR A TERMINAL
DEFAULT=0,- ; USE THE DEFAULT SPEED
MIN=0,-
MAX=16,-

```

NAME=TTY_RSPEED,-
SIZE=BYTE,-
TYPE=<TTY>,-
UNIT=Special
: TTSC_BAUD VALUES AND 0

```

DEFAULT PARITY

```

PARAMETER ADDRESS=TTY$GB_PARITY,- ;THE PARITY OF THE TERMINALS
DEFAULT=24,- ;NO PARITY EIGHT BITS.
MIN=0,-
NAME=TTY_PARITY,-
SIZE=BYTE,-
TYPE=<TTY>,-
UNIT=Special

```

DEFAULT TERMINAL LINE WIDTH

```

PARAMETER ADDRESS=TTY$GW_DEFBUF,- ; DEFAULT BUFFER SIZE
DEFAULT=80,-
MIN=0,-
MAX=65535,-
NAME=TTY_BUF,-
SIZE=WORD,-
TYPE=<TTY>,-
UNIT=Characters

```

DEFAULT TERMINAL CHARACTERISTICS

```

PARAMETER ADDRESS=TTY$GL_DEFCHAR,- ; DEFAULT CHARACTERISTICS
DEFAULT=<<24@TT$V_PAGE>+TT$M_TTSYNC+TT$M_WRAP+TT$M_LOWER+TT$M_SCOPE>,-
MIN=0,-
NAME=TTY_DEFCHAR,-
SIZE=LONG,-
TYPE=<TTY>,-
UNIT=Bit-Encoded

```

Device characteristics second word.

```

PARAMETER ADDRESS=TTY$GL_DEFCHAR2,-
DEFAULT=TT$M_EDITING!TT$M_AUTOBAUD,- ; SET AUTOBAUD FOR DEFAULT
MIN=0,-
NAME=TTY_DEFCHAR2,-
SIZE=LONG,-
TYPE=<TTY>,-
UNIT=Bit-Encoded

```

SIZE OF TYPEAHEAD BUFFER

```

PARAMETER ADDRESS=TTY$GW_TYPAHDSZ,-
DEFAULT=78,-
MIN=0,-
NAME=TTY_TYPAHDSZ,-
SIZE=WORD,-
TYPE=<TTY>,-
UNIT=Bytes

```

Alternate Typeahead size.

```

PARAMETER      ADDRESS=TTY$GW_ALTYPAMD,-
                DEFAULT=200,-
                MIN=0,-
                NAME=TTY_ALTYPAMD,-
                SIZE=WORD,-
                TYPE=<TTY>,-
                UNIT=Bytes
    
```

Alternate Typeahead buffer alarm size.

```

PARAMETER      ADDRESS=TTY$GW_ALTALARM,-
                DEFAULT=64,-
                MIN=0,-
                NAME=TTY_ALTALARM,-
                SIZE=WORD,-
                TYPE=<TTY>,-
                UNIT=Bytes
                ;ASSUME WORST CASE
    
```

DMA size

```

PARAMETER      ADDRESS=TTY$GW_DMASIZE,-
                DEFAULT=64,-
                MIN=0,-
                NAME=TTY_DMASIZE,-
                SIZE=WORD,-
                TYPE=<TTY,DYNAMIC>,-
                UNIT=Bytes
    
```

DEFAULT TERMINAL ALLOCATION PROTECTION

```

PARAMETER      ADDRESS=TTY$GW_PROT,-
                DEFAULT=<^XOFFFO>,-
                MIN=0,-
                NAME=TTY_PROT,-
                SIZE=WORD,-
                TYPE=<TTY>,-
                UNIT=Protection
                ; PROTECTION CLASSES
                ; SYSTEM ONLY
    
```

```

PARAMETER      ADDRESS=TTY$GL_OWNUIC,-
                DEFAULT=<^X000T0004>,-
                MIN=0,-
                NAME=TTY_OWNER,-
                SIZE=LONG,-
                TYPE=<TTY>-
                UNIT=UIC
                ; OWNER UIC
                ; SYSTEM OWNER
    
```

DEFAULT TERMINAL CLASS NAME PREFIX

```

PARAMETER      ADDRESS=TTY$GW_CLASSNAM,-
                DEFAULT=<^A/TT7>,-
                MIN=<^A/AAAA/>,-
                MAX=<^A/ZZZZ/>,-
    
```

```

NAME=TTY CLASSNAME,-
SIZE=WORD,-
TYPE=<ASCII,TTY>,-
UNIT=Ascii

```

DEFAULT SILO TIMEOUT VALUE FOR DMF32

```

PARAMETER ADDRESS=TTY$GB_SILOTIME,-
          DEFAULT=8,-
          MIN=0,-
          MAX=255,-
          NAME=TTY_SILOTIME,-
          SIZE=BYTE,-
          TYPE=<TTY>,-
          UNIT=Ms

```

DISCONNECTED VIRTUAL TERMINAL TIMEOUT.

```

PARAMETER ADDRESS=TTY$GL_TIMEOUT,-
          DEFAULT=60*15,- ; 15 minute default
          MIN=0,-
          NAME=TTY_TIMEOUT,-
          SIZE=LONG,-
          TYPE=<TTY,DYNAMIC>,-
          UNIT=Seconds

```

AUTOBAUD RATE RECOGNITION CHARACTER

```

PARAMETER ADDRESS=TTY$GB_AUTOCHAR,-
          DEFAULT=7,- ; Default is ^G (Bell)
          MIN=0,-
          MAX=255,-
          NAME=TTY_AUTOCHAR,-
          SIZE=BYTE,-
          TYPE=<TTY,DYNAMIC>,-
          UNIT=Character

```

default port functions.

```

PARAMETER ADDRESS=TTY$GL_DEFPORT,-; DEFAULT PORT CHARACTERISTICS
          DEFAULT=0,-
          MIN=0,-
          NAME=TTY_DEFPORT,-
          SIZE=LONG,-
          TYPE=<TTY,SPECIAL>,-
          UNIT=Bit-Encoded

```

END OF TERMINAL SYSTEM PARAMETERS

```

.PAGE
.SBTTL RMS DEFAULT PARAMETERS

```

RMS DEFAULT PARAMETERS

```

PARAMETER ADDRESS=SYS$GB_DFMB,-

```

```

DEFAULT=16,- ; DEFAULT MULTI-BLOCK COUNT
MIN=1,-
MAX=127,-
NAME=RMS_DFMBC,-
SIZE=BYTE,-
TYPE=<RMS,DYNAMIC>,-
UNIT=Blocks
    
```

DEFAULT MULTI-BUFFER COUNT FOR SEQUENTIAL . DISK

```

PARAMETER ADDRESS=SYSSGB_DFMBSDK,- ;
          DEFAULT=0,-
          MIN=0,-
          MAX=127,-
          NAME=RMS_DFMBSDK,-
          SIZE=BYTE,-
          TYPE=<RMS,DYNAMIC>,-
          UNIT=Blocks
    
```

DEFAULT MULTI_BUFFER COUNT FOR MAGTAPE

```

PARAMETER ADDRESS=SYSSGB_DFMBSMT,- ;
          DEFAULT=0,-
          MIN=0,-
          MAX=127,-
          NAME=RMS_DFMBSMT,-
          SIZE=BYTE,-
          TYPE=<RMS,DYNAMIC>,-
          UNIT=Blocks
    
```

DEFAULT MULTI-BUFFER COUNT FOR UNIT RECORD DEVICES.

```

PARAMETER ADDRESS=SYSSGB_DFMBSUR,- ;
          DEFAULT=0,-
          MIN=0,-
          MAX=127,-
          NAME=RMS_DFMBSUR,-
          SIZE=BYTE,-
          TYPE=<RMS,DYNAMIC>,-
          UNIT=Buffers
    
```

DEFAULT MULTI-BUFFER COUNT FOR RELATIVE FILES

```

PARAMETER ADDRESS=SYSSGB_DFMBSREL,- ;
          DEFAULT=0,-
          MIN=0,-
          MAX=127,-
          NAME=RMS_DFMBSREL,-
          SIZE=BYTE,-
          TYPE=<RMS,DYNAMIC>,-
          UNIT=Buffers
    
```

DEFAULT MULTI-BUFFER COUNT INDEXED FILES

```

PARAMETER ADDRESS=SYSSGB_DFMBSIDX,- ;
          DEFAULT=0,-
    
```

```

MIN=0,-
MAX=127,-
NAME=RMS DFMBFIDX,-
SIZE=BYTE,-
TYPE=<RMS,DYNAMIC>,-
UNIT=Buffers

```

```

:
:
: DEFAULT MULTI-BUFFER COUNT HASHED
:

```

```

PARAMETER ADDRESS=SYSSGB_DFMBFHSB,-
           DEFAULT=0,-
           MIN=0,-
           MAX=127,-
           NAME=RMS DFMBFHSB,-
           SIZE=BYTE,-
           TYPE=<RMS,DYNAMIC>,-
           UNIT=Buffers

```

```

:
:
: Default rms Prologue
:

```

```

PARAMETER ADDRESS = SYSSGB_RMSPROLOG,-
           DEFAULT = 0,- ; 0, 2 and 3 are valid, only
           MIN = 0,-
           MAX = 3,-
           NAME = RMS PROLOGUE,-
           SIZE = BYTE,-
           TYPE = <RMS,DYNAMIC>,-
           UNIT = Prolog-Lvl

```

```

:
:
: Default file extend quantity
:

```

```

PARAMETER ADDRESS = SYSSGW_RMSEXTEND,-
           DEFAULT = 0,-
           MIN = 0,-
           MAX = 65535,-
           NAME = RMS_EXTEND_SIZE,-
           SIZE = WORD,-
           TYPE = <RMS,DYNAMIC>,-
           UNIT = Blocks

```

```

:
:
: Default file protection
:

```

```

PARAMETER ADDRESS = SYSSGW_FILEPROT,-
           DEFAULT = <^XFA00>,-
           MIN = 0,-
           MAX = <^XFFFF>,-
           NAME = RMS FILEPROT,-
           SIZE = WORD,-
           TYPE = RMS,-
           UNIT = Prot-mask

```

: Global buffer quota - This parameter determines the maximum number
 : of global buffers that may be in use in the system at any one time.

```

PARAMETER      ADDRESS=SYSS$GW_GBLBUFQUO,-
                DEFAULT=1024,-
                MIN=0,-
                MAX=32767,-
                SIZE=WORD,-
                NAME=RMS_GBLBUFQUO,-
                TYPE=<RMS,DYNAMIC>,-
                UNIT=<Gbl bufs>
  
```

: Network block count - This parameter determines the number
 : of blocks to use for RMS DAP network record-mode transfers.
 : This parameter determines the maximum record size that can be
 : sent over the network.

```

PARAMETER      ADDRESS=SYSS$GB_DFNBC,-
                DEFAULT=8,-
                MIN=1,-
                MAX=127,-
                SIZE=BYTE,-
                NAME=RMS_DFNBC,-
                TYPE=<RMS,DYNAMIC>,-
                UNIT=<Blocks>
  
```

.IF NOT_DEFINED GETSYISW

.ALIGN LONG

END OF RMS DEFAULT PARAMETERS

```

.PAGE
.SBTTL PROCESS QUOTA DEFAULTS AND MINIMA
.=.-4
DEFINE PQL$AL_DEFAULT :
.=.+4
.BLKL PQL$_LENGTH :
.=.-4
DEFINE PQL$AL_MIN :
.=.+4
.BLKL PQL$_LENGTH :
.=.-1
DEFINE PQL$AB_FLAG :
.=.+1
.BLKB PQL$_LENGTH :
.ENDC ; NOT_DEFINED GETSYISW
  
```

DEFINE PROCESS QUOTA DEFAULTS AND MINIMA

```

PQL ASTLM,- : AST LIMIT
    DEFLT=24,- :
  
```


: DEFAULT WORKING SET SIZE - SIZE OF SHELL WORKING SET

```

:
: .IF NOT_DEFINED GETSYISW
: .IF NDF_PRMSW
SGN$GW_DFWSCNT==PQL$GDWSDEFAULT ; SYNONYM
: .ENDC
: .ENDC ; NOT_DEFINED GETSYISW
PQL WSQUOTA,- ; WORKING SET QUOTA
      DEFLT=200,-
      MINIM=60,-
      UNT=Pages
:
PQL WSEXTENT,- ; WORKING SET EXTENT
      DEFLT=200,-
      MINIM=10,-
      UNT=Pages
:
PQL ENQLM,- ; ENQUEUE LIMIT
      DEFLT=30,-
      FLAG=DEDUCTIBLE,-
      MINIM=4,-
      UNT=Locks
:
PQL JTQUOTA,- ; JOB-WIDE LOGICAL NAME TABLE QUOTA
      DEFLT=1024,-
      MINIM=0,-
      UNT=Bytes
:

```

.PAGE
.SBTTL FILE ACP CONFIGURATION DATA

: file ACP configuration data. These parameters are used whenever an ACP is
: started up (or, in the case of per volume data, when a volume is mounted).

: Number of blocks in bitmap cache.

```

PARAMETER ADDRESS=ACPSGW_MAPCACHE,- ;
           DEFAULT=8,- ;
           MIN=1,- ;
           NAME=ACP_MAPCACHE,- ;
           SIZE=WORD,- ;
           TYPE=<ACP,DYNAMIC>,- ;
           UNIT=Pages ;

```

: Number of blocks in file header cache.

```

PARAMETER ADDRESS=ACPSGW_HDRCACHE,- ;
           DEFAULT=128,- ;
           MIN=3,- ;
           NAME=ACP_HDRCACHE,- ;
           SIZE=WORD,- ;

```

```
TYPE=<ACP,DYNAMIC>,- ;
UNIT=Pages ;
```

```
: Number of blocks in file system directory data block cache.
```

```
PARAMETER ADDRESS=ACPSGW_DIRCACHE,- ;
           DEFAULT=80,- ;
           MIN=2,- ;
           NAME=ACP_DIRCACHE,- ;
           SIZE=WORD,- ;
           TYPE=<ACP,DYNAMIC>,- ;
           UNIT=Pages ;
```

```
: Number of pages in file system directory index cache.
```

```
PARAMETER ADDRESS=ACPSGW_DINDXCACHE,- ;
           DEFAULT=25,- ;
           MIN=2,- ;
           NAME=ACP_DINDXCACHE,- ;
           SIZE=WORD,- ;
           TYPE=<ACP,DYNAMIC>,- ;
           UNIT=Pages ;
```

```
: ACP working set in pages (0 means maximal)
```

```
PARAMETER ADDRESS=ACPSGW_WORKSET,- ;
           DEFAULT=0,- ;
           MIN=0,- ;
           NAME=ACP_WORKSET,- ;
           SIZE=WORD,- ;
           TYPE=<ACP,DYNAMIC>,- ;
           UNIT=Pages ;
```

```
: The following parameters are applied on a per volume basis.
```

```
: Number of cached index file slots
```

```
PARAMETER ADDRESS=ACPSGW_FIDCACHE,- ;
           DEFAULT=64,- ;
           MIN=0,- ;
           NAME=ACP_FIDCACHE,- ;
           SIZE=WORD,- ;
           TYPE=<ACP,DYNAMIC>,- ;
           UNIT=File-Ids ;
```

```
: Number of cached disk extents
```

```
PARAMETER ADDRESS=ACPSGW_EXTCACHE,- ;
           DEFAULT=64,- ;
           MIN=0,- ;
           NAME=ACP_EXTCACHE,- ;
           SIZE=WORD,- ;
           TYPE=<ACP,DYNAMIC>,- ;
           UNIT=Extents ;
```

: Maximum fraction of disk to cache in tenths of percent

```

PARAMETER      ADDRESS=ACPSGW_EXTLIMIT,-      ;
                DEFAULT=100,-                ;
                MIN=0,-                      ;
                MAX=1000,-                  ;
                NAME=ACP_EXTLIMIT,-          ;
                SIZE=WORD,-                 ;
                TYPE=<ACP,DYNAMIC>,-        ;
                UNIT=<Percent/10>           ;

```

: Number of quota file entries to cache

```

PARAMETER      ADDRESS=ACPSGW_QUOCACHE,-      ;
                DEFAULT=64,-                ;
                MIN=0,-                      ;
                MAX=-1,-                    ;
                NAME=ACP_QUOCACHE,-          ;
                SIZE=WORD,-                 ;
                TYPE=<ACP,DYNAMIC>,-        ;
                UNIT=Users                  ;

```

: Default access for system volumes

```

PARAMETER      ADDRESS=ACPSGW_SYSACC,-      ;
                DEFAULT=8,-                ;
                MIN=0,-                      ;
                NAME=ACP_SYSACC,-           ;
                SIZE=WORD,-                 ;
                TYPE=<ACP,DYNAMIC>,-        ;
                UNIT=Directories            ;

```

: Maximum number of blocks to read at once for directories.

```

PARAMETER      ADDRESS=ACPSGB_MAXREAD,-      ;
                DEFAULT=32,-                ;
                MIN=1,-                      ;
                MAX=64,-                    ;
                NAME=ACP_MAXREAD,-          ;
                SIZE=BYTE,-                 ;
                TYPE=<ACP,DYNAMIC>,-        ;
                UNIT=Blocks                 ;

```

: Default window size for system volumes.

```

PARAMETER      ADDRESS=ACPSGB_WINDOW,-      ;
                DEFAULT=7,-                ;
                MIN=1,-                      ;
                NAME=ACP_WINDOW,-           ;
                SIZE=BYTE,-                 ;
                TYPE=<ACP,DYNAMIC>,-        ;
                UNIT=Pointers               ;

```

: Deferred cache writeback enable.

```

PARAMETER      ADDRESS=ACPSGB_WRITBACK,-
                DEFAULT=1,-
                MIN=0,-
                MAX=1,-
                NAME=ACP_WRITEBACK,-
                SIZE=BYTE,-
                TYPE=<ACP,DYNAMIC>,-
                UNIT=Boolean
    
```

ACP datacheck enable flags.

```

PARAMETER      ADDRESS=ACPSGB_DATACHK,-
                DEFAULT=2,-
                MIN=0,-
                MAX=3,-
                NAME=ACP_DATACHECK,-
                SIZE=BYTE,-
                TYPE=<ACP,DYNAMIC>,-
                UNIT=Bit-mask
    
```

Containing the following flags:

```

    .IF      NDF,PRMSW           ; Only for exec version of sysparam
    $GBLINI GLOBAL
    $VIELD  ACP,0,<-
            <READCHK>-        ; do datachecks on reads
            <WRITECHK>-       ; do datachecks on writes
            >
    .ENDC
    
```

The following parameters apply per ACP.

ACP base priority

```

PARAMETER      ADDRESS=ACPSGB_BASEPRIO,-      ;
                DEFAULT=8,-                   ;
                MIN=4,-                       ;
                MAX=31,-                      ;
                NAME=ACP_BASEPRIO,-           ;
                SIZE=BYTE,-                   ;
                TYPE=<ACP,DYNAMIC>,-          ;
                UNIT=Priority
    
```

ACP Swap flags

```

PARAMETER      ADDRESS=ACPSGB_SWAPFLGS,-      ;
                DEFAULT=<^B111T>,-           ;
                MIN=0,-                       ;
                MAX=15,-                      ;
                NAME=ACP_SWAPFLGS,-           ;
                SIZE=BYTE,-                   ;
                TYPE=<ACP,DYNAMIC>,-          ;
                UNIT=Bit-mask
    
```

```

    .IF      NDF,PRMSW           ; swappable, as follows:
                                ; Only for exec version of sysparam
    
```

```

$GBLINI GLOBAL
$VIELD ACP,0,<-
        <SWAPSYS>-          : /SYSTEM
        <SWAPGRP>-         : /GROUP
        <SWAPPRV>-        : other (private mount)
        <SWAPMAG>-        : magtape
>
.ENDC

```

```

XQP memory resident control flag

```

```

PARAMETER      ADDRESS=EXESGL_STATIC_FLAGS,-
                DEFAULT=1,-
                MIN=0,-
                MAX=1,-
                NAME=ACP_XQP_RES,-
                BIT=EXESV_XQP_RESIDENT,-
                TYPE=<ACP,STATIC>,-
                UNIT=Boolean

```

```

System disk rebuild flag.

```

```

PARAMETER      ADDRESS=EXESGL_STATIC_FLAGS,-
                DEFAULT=1,-
                MIN=0,-
                MAX=1,-
                NAME=ACP_REBLDSYSD,-
                BIT=EXESV_REBLDSYSD,-
                TYPE=<ACP,STATIC>,-
                UNIT=Boolean

```

```

.IIF NOT_DEFINED GETSYISW, .ALIGN LONG

```

```

.PAGE

```

```

$BTTL Job Controller Parameters

```

```

Default Priority for Job Initiations

```

```

PARAMETER      SYSSGB_DEFPRI,-
                DEFAULT=4,-
                MIN=1,-
                MAX=31,-
                NAME=DEFPRI,-
                SIZE=BYTE,-
                TYPE=<SYS,JBC,DYNAMIC>,-
                UNIT=Priority

```

```

Limit for interactive Jobs

```

```

PARAMETER      ADDRESS=SYSSGW_IJOB LIM,-
                DEFAULT=64,-
                MIN=1,-
                MAX=1024,-
                NAME=IJOB LIM,-
                SIZE=WORD,-
                TYPE=<JBC,DYNAMIC>,-

```

UNIT=Jobs

Limit for batch Jobs

```
PARAMETER ADDRESS=SYSS$GW_BJOBLIM,- ;
           DEFAULT=16,-
           MIN=0,-
           MAX=1024,-
           NAME=BJOBLIM,-
           SIZE=WORD,-
           TYPE=<JBC,DYNAMIC>,- ;
           UNIT=Jobs
```

Limit for network Jobs

```
PARAMETER ADDRESS=SYSS$GW_NJOBLIM,- ;
           DEFAULT=16,-
           MIN=0,-
           MAX=1024,-
           NAME=NJOBLIM,-
           SIZE=WORD,-
           TYPE=<JBC,DYNAMIC>,- ;
           UNIT=Jobs
```

Limit for Remote Terminal Jobs

```
PARAMETER ADDRESS=SYSS$GW_RJOBLIM,- ;
           DEFAULT=16,-
           MIN=0,-
           MAX=254,-
           NAME=RJOBLIM,-
           SIZE=WORD,-
           TYPE=<JBC,DYNAMIC>,- ;
           UNIT=Jobs
```

DEFQUEPRI - Default Queue Priority

```
PARAMETER ADDRESS=SYSS$GB_DEFQUEPRI,-
           DEFAULT=4,-
           MAX=255,-
           MIN=0,-
           NAME=DEFQUEPRI,-
           TYPE=<JBC,DYNAMIC>,-
           UNIT=Priority
```

MAXQUEPRI - Maximum Queue Priority

```
PARAMETER ADDRESS=SYSS$GB_MAXQUEPRI,-
           DEFAULT=4,-
           MAX=255,-
           MIN=0,-
           NAME=MAXQUEPRI,-
           TYPE=<JBC,DYNAMIC>,-
           UNIT=Priority
```

.PAGE
.SBTTL Login Security Parameters

: Number of seconds that a dialup user has in which to enter the system
: password before LOGINOUT goes away

PARAMETER ADDRESS=SYSS\$GB_PWD_TMO,-
DEFAULT=30,-
MIN=0,-
MAX=255,-
NAME=LGI_PWD_TMO,-
SIZE=BYTE,-
TYPE=<DYNAMIC,LGI>,-
UNIT=Seconds

: Number of retries an interactive user has before the process goes away

PARAMETER ADDRESS=SYSS\$GB_RETRY_LIM,-
DEFAULT=3,-
MIN=0,-
MAX=255,-
NAME=LGI_RETRY_LIM,-
SIZE=BYTE,-
TYPE=<DYNAMIC,LGI>,-
UNIT=Tries

: Number of seconds that a user has in which to attempt another login
: before the process goes away

PARAMETER ADDRESS=SYSS\$GB_RETRY_TMO,-
DEFAULT=20,-
MIN=0,-
MAX=255,-
NAME=LGI_RETRY_TMO,-
SIZE=BYTE,-
TYPE=<DYNAMIC,LGI>,-
UNIT=Seconds

: Number of consecutive login failures before LOGINOUT begins evasive action

PARAMETER ADDRESS=SYSS\$GB_BRK_LIM,-
DEFAULT=5,-
MIN=0,-
MAX=255,-
NAME=LGI_BRK_LIM,-
SIZE=BYTE,-
TYPE=<DYNAMIC,LGI>,-
UNIT=Failures

: Number of seconds that a suspect must be free of login failures before it is
: taken off the suspect list


```

PARAMETER      ADDRESS=SYSSGL_BRK_TMO,-
                DEFAULT=300,-
                MIN=0,-
                MAX=-1,-
                NAME=LGI_BRK_TMO,-
                SIZE=LONG,-
                TYPE=<DYNAMIC,LGI>,-
                UNIT=Seconds

```

```

:
: Number of seconds that LOGINOUT should practice evasive action on an intruder
:

```

```

PARAMETER      ADDRESS=SYSSGL_HID_TIM,-
                DEFAULT=300,-
                MIN=0,-
                MAX=-1,-
                NAME=LGI_HID_TIM,-
                SIZE=LONG,-
                TYPE=<DYNAMIC,LGI>,-
                UNIT=Seconds

```

```

.PAGE
.SBTTL Cluster Parameters

```

```

:
: VAXCLUSTER - Controls loading of cluster code
: 0: Never load
: 1: Load if SCSLOA is being loaded
: 2: Always load (and also load SCSLOA)
:

```

```

PARAMETER      ADDRESS=CLUSGB_VAXCLUSTER, - ;
                DEFAULT=1,-
                MAX=2,-
                MIN=0,-
                NAME=VAXCLUSTER,- ;
                SIZE=BYTE,-
                TYPE=<CLUSTER>,- ;
                UNIT=Coded-value

```

```

:
: Quorum for an operable cluster
:

```

```

PARAMETER      ADDRESS=CLUSGW_QUORUM,-
                DEFAULT=1,-
                MIN=1,-
                MAX=32767,-
                NAME=QUORUM,-
                SIZE=WORD,-
                TYPE=<CLUSTER>,-
                UNIT=Votes

```

```

:
: Number of votes this system contributes to quorum
:

```

```

PARAMETER      ADDRESS=CLUSGW_VOTES,-
                DEFAULT=1,-

```

```

MIN=0,-
MAX=127,-
NAME=VOFES,-
SIZE=WORD,-
TYPE=<CLUSTER>,-
UNIT=Votes

```

```

: Interval during which to attempt reconnection to a remote system
:

```

```

PARAMETER ADDRESS=CLUSGW_RECNXINT,-
           DEFAULT=60,-
           MIN=1,-
           MAX=32767,-
           NAME=RECNXINTERVAL,-
           SIZE=WORD,-
           TYPE=<CLUSTER,DYNAMIC>,-
           UNIT=Seconds

```

```

: The cluster quorum disk name
:

```

```

PARAMETER ADDRESS=CLUSGB_QDISK,-
           DEFAULT=<^A/ />,-
           MIN=<^A/ />,-
           MAX=<^A/ZZZZ/>,-
           NAME=DISK_QUORUM,-
           SIZE=OCTA,-
           TYPE=<ASCII,CLUSTER>,-
           UNIT=Ascii

```

```

: Number of votes contributed by quorum disk
:

```

```

PARAMETER ADDRESS=CLUSGW_QDSKVOTES,-
           DEFAULT=1,-
           MIN=0,-
           MAX=127,-
           NAME=QDSKVOTES,-
           SIZE=WORD,-
           TYPE=<CLUSTER>,-
           UNIT=Votes

```

```

: Disk Quorum Interval
:

```

```

PARAMETER ADDRESS=CLUSGW_QDSKINTERVAL,-
           DEFAULT=20,-
           MIN=1,-
           MAX=32767,-
           NAME=QDSKINTERVAL,-
           SIZE=WORD,-
           TYPE=<CLUSTER>,-
           UNIT=Seconds

```

```

: Define a parameter which determines the device allocation class for
: this system. The device allocation class is used to derive a common
: lock resource name for multiple access paths to the same device.
:

```

```

PARAMETER      ADDRESS=CLUSGL_ALLOCLS, -
                NAME=ALLOCLASS, -
                TYPE=<CLUSTER>, -
                DEFAULT=0, -
                MIN=0, -
                MAX=255, -
                UNIT=Pure-number

```

```

: Lock manager directory system weight. Determines portion of lock
: manager directory entries which will be handled by this system.
:

```

```

PARAMETER      ADDRESS=CLUSGW_LCKDIRWT,-
                DEFAULT=1,-
                MIN=0,-
                MAX=255,-
                NAME=LOCKDIRWT,-
                SIZE=WORD,-
                TYPE=<CLUSTER>,-
                UNIT=Pure-number

```

```

: Define a parameter which tells us whether or not this system is tailored
: (i.e., has a library disk). This is the right way to determine tailoring
: now that many different system disks can be tailored.
:

```

```

PARAMETER      ADDRESS=SGNSGB_TAILORED,-
                DEFAULT=0,-
                MAX=1,-
                MIN=0,-
                NAME=TAILORED,-
                SIZE=BYTE,-
                TYPE=<SYS>,-
                UNIT=Boolean

```

```

:IF      NOT_DEFINED GETSYISW

```

```

: WORK STATION FLAGS.
:

```

```

:ALIGN LONG
:IF     NDF,PRMSW
EXESGL_WSFLAGS::
:ENDC  : NDF,PRMSW
:LONG  0;
:ENDC  : NOT_DEFINED GETSYISW

SVIELD EXE 0,<-
>      OPA0,-
:      : DEFINITION FOR EXESGL_DYNAMIC_FLAGS
:      : Reserve a window for OPA0

```

```

: WS_OPA0 - If set reserve the first 24 scan lines for an OPA0 window

```

```

:
:   PARAMETER      ADDRESS=exe$gl_wsflags,-;
:                   DEFAULT=0,-
:                   MAX=1,-
:                   MIN=0,-
:                   NAME=WS_OPAO,-
:                   BIT=EXESV_OPAO,-
:                   TYPE=<DYNAMIC,SYS>,-;
:                   UNIT=Boolean
:
:
:
:

```

```

: Define eight parameters which are used to pass information to the system
: startup procedure (STARTUP.COM).
:
:

```

```

:   PARAMETER      ADDRESS=SGN$GB_STARTUP_P1,-
:                   DEFAULT=<^A/ />,-
:                   MIN=<^A/ />,-
:                   MAX=<^A/zzzz/>,-
:                   NAME=STARTUP_P1,-
:                   SIZE=LONG,-
:                   TYPE=<ASCII,SYS>,-
:                   UNIT=Ascii

```

```

:   PARAMETER      ADDRESS=SGN$GB_STARTUP_P2,-
:                   DEFAULT=<^A/ />,-
:                   MIN=<^A/ />,-
:                   MAX=<^A/zzzz/>,-
:                   NAME=STARTUP_P2,-
:                   SIZE=LONG,-
:                   TYPE=<ASCII,SYS>,-
:                   UNIT=Ascii

```

```

:   PARAMETER      ADDRESS=SGN$GB_STARTUP_P3,-
:                   DEFAULT=<^A/ />,-
:                   MIN=<^A/ />,-
:                   MAX=<^A/zzzz/>,-
:                   NAME=STARTUP_P3,-
:                   SIZE=LONG,-
:                   TYPE=<ASCII,SYS>,-
:                   UNIT=Ascii

```

```

:   PARAMETER      ADDRESS=SGN$GB_STARTUP_P4,-
:                   DEFAULT=<^A/ />,-
:                   MIN=<^A/ />,-
:                   MAX=<^A/zzzz/>,-
:                   NAME=STARTUP_P4,-
:                   SIZE=LONG,-
:                   TYPE=<ASCII,SYS>,-
:                   UNIT=Ascii

```

```

:   PARAMETER      ADDRESS=SGN$GB_STARTUP_P5,-
:                   DEFAULT=<^A/ />,-
:                   MIN=<^A/ />,-
:                   MAX=<^A/zzzz/>,-
:                   NAME=STARTUP_P5,-
:                   SIZE=LONG,-
:                   TYPE=<ASCII,SYS>,-
:                   UNIT=Ascii

```

```

:   PARAMETER      ADDRESS=SGN$GB_STARTUP_P6,-
:                   DEFAULT=<^A/ />,-

```

```

MIN=<^A/ />,-
MAX=<^A/zzzz/>,-
NAME=STARTUP_P6,-
SIZE=LONG,-
TYPE=<ASCII,SYS>,-
UNIT=Ascii
PARAMETER ADDRESS=SGN$GB_STARTUP_P7,-
DEFAULT=<^A/ />,-
MIN=<^A/ />,-
MAX=<^A/zzzz/>,-
NAME=STARTUP_P7,-
SIZE=LONG,-
TYPE=<ASCII,SYS>,-
UNIT=Ascii
PARAMETER ADDRESS=SGN$GB_STARTUP_P8,-
DEFAULT=<^A/ />,-
MIN=<^A/ />,-
MAX=<^A/zzzz/>,-
NAME=STARTUP_P8,-
SIZE=LONG,-
TYPE=<ASCII,SYS>,-
UNIT=Ascii

```

```

.IF NOT_DEFINED GETSYISW

.PAGE
.SBTTL COMPUTED VALUES
.ALIGN LONG
DEFINE SWP$GL_SHELLSIZ : PAGES REQUIRED FOR SHELL
.LONG 0

DEFINE SWP$GW_BAKPTE : PHD PAGES FOR BAK+W$SLX+LCK+VAL
.WORD 0

DEFINE SWP$GW_EMPTPTE : EMPTY PHDPAGES
.WORD 0

DEFINE SWP$GW_W$SLPTE : PHD PAGES FOR FIXED+W$SL+P$ST
.WORD 0

DEFINE SWP$GB_SHLP1PT : P1 PAGE TABLES REQUIRED FOR SHELL
.BYTE 0

.BYTE 0 : SPARE

DEFINE SWP$GL_B$SLOTSZ : SIZE OF BALANCE SLOT
.LONG 0

DEFINE SWP$GL_MAP : SWAPPER MAP POINTER
.LONG 0

DEFINE SWP$GL_PHD$BASVA : BASE ADDRESS OF PHD WINDOW
.LONG 0

DEFINE SGN$GL_PHD$APCNT : TOTAL SHELL HEADER PAGES
.LONG 0

```

```

DEFINE SGNSGL_PHDLCNT      : COUNT OF LONGWORDS IN PHD
.LONG 0                    :
:
DEFINE SGNSGL_P1LWCNT      : COUNT OF LW TO END OF P1 PAGETABLE
.LONG 0                    :
:
DEFINE SGNSGL_PHDPAGCT     : TOTAL PHD PAGES LESS PAGE TABLES
.LONG 0                    :
:
DEFINE SGNSGL_PTPAGCNT     : TOTAL PAGE TABLE COUNT
.LONG 0                    :
:
DEFINE MMG$GL_CTLBASVA     : BASE ADDRESS IN CONTROL REGION
.LONG 0                    :

```

```

:
:
:
THE FOLLOWING TWO CELLS MUST BE ADJACENT

```

```

DEFINE EXESAL_STACKS      : ARRAY OF KERNEL MODE SYSTEM SPACE STACKS
.LONG SWPSA_RSTK          : SWAPPER STACK (ADJACENT TO NULL STACK)
DEFINE EXESGC_INTSTK      : BASE OF INTERRUPT STACK
.LONG 0                   :

```

```

:
:
:
THE PRECEDING TWO LONG WORDS MUST BE ADJACENT.

```

```

DEFINE MMG$GL_GPTBASE     : GLOBAL PAGE TABLE BASE ADDRESS
.LONG 0                   :
:
DEFINE MMG$GL_GPTE        : BASE ADDRESS OF SPT PTES FOR GPT
.LONG 0                   :
:
DEFINE MMG$GL_MAXGPTE     : HIGHEST GPTE ADDRESS
.LONG 0                   :
:
DEFINE MMG$GL_MAXSYSVA    : HIGHEST SYSTEM VA (+1)
DEFINE MMG$GL_FRESVA      : SYNONYM
.LONG 0                   :
:
DEFINE MMG$GL_SPTBASE     : BASE ADDRESS OF SPT (VIRTUAL)
.LONG 0                   :
:
DEFINE MMG$GL_SPTLEN      : LENGTH OF SYSTEM PAGE TABLE
.LONG 0                   :
:
DEFINE MMG$GL_SYSPHD      : VA OF SYSTEM PHD
.LONG 0                   :
:
DEFINE MMG$GL_SYSPHDLN    : SIZE OF SYSTEM PHD IN BYTES
.LONG 0                   :
:
DEFINE SWP$GL_BALBASE     : BASE VA OF BALANCE SLOTS FOR
.LONG 0                   :
:
DEFINE SWP$GL_BALSPT      : BASE VA IN SPT FOR MAPPING BALANCE

```



```

.ENDC
:
DEFINE PFN$GB_LENGTH      : Number of bytes per page in PFN data base
.BYTE PFN$C_WORD_LEN     : Defaults to word length FLINK and BLINK

DEFINE MMG$GW_BIGPFN      : Flag to indicate size of PFN FLINK, BLINK
.WORD 0                  : word for historical reasons

DEFINE EXE$GW_PGFL_FID    : FILE ID OF PAGEFILE.SYS
.WORD 0,0,0             : IF FILE IS IN PAGE FILE

.ALIGN LONG              : LONWORD ALIGN POINTERS
DEFINE PFN$A_BASE         : BASE OF PFN POINTERS
PFN$ALC L,PTE            : ADDRESS OF PAGE TABLE ENTRY
PFN$ALC L,BAK            : BACKING STORE ADDRESS
PFN$ALC W,REFCNT         : REFERENCE COUNT
PFN$ALC x,<FLINK,-       : FORWARD LINK
SHRCNT>                 : ALSO USED AS GLOBAL SHARE COUNT
PFN$ALC x,<BLINK,-       : BACK LINK
WSLX>                   : ALSO USED AS WORKING SET LIST INDEX
PFN$ALC W,SWPVBN         : SWAP IMAGE VIRTUAL BLOCK OFFSET
PFN$ALC B,STATE          : STATE OF PAGE
PFN$ALC B,TYPE           : TYPE OF PAGE

DEFINE EXE$GT_STARTUP     : NAME OF STARTUP COMMAND FILE
.ASCIC /SYS$SYSTEM:STARTUP.COM/ : DEFAULT VALUE
.BLKB <32-<.-EXE$GT_STARTUP>> : ALLOW FOR 31 BYTES + COUNT
.IF NDF,PRMSW           : IF EXEC VERSION
EXE$C_SYSPARSZ==.-EXE$A_SYSPARAM : SIZE OF SYSTEM PARAMETERS
.IFF
.PSECT $$$918, LONG     :
.LONG 0                 : FLAG TO MARK END
.ENDC
:

```

```

.PAGE
.SUBTITLE      MMG$GL_PGDCOD      Boundary of pageable exec

```

```

:
: The cells in this module between the definition of EXE$C_SYSPARSZ and
: the definition of BOO$C_SYSPARSZ are used for communication between
: SYSBOOT and SYS XE without interference from the SYSGEN USE and WRITE
: commands. SYSBOC uses BOO$C_SYSPARSZ as the size of the parameter area.
: SYSGEN uses EXE$C_SYSPARSZ as its size constant and so SYSGEN commands
: do not affect the contents of cells that follow the definition of
: EXE$C_SYSPARSZ.
:

```

```

: The cell called MMG$GL_PGDCOD contains the address of the boundary
: between the nonpaged and pageable exec routines. This cell is used by
: both INIT and SYSBOOT. It is initialized by SYSBOOT to point to the
: beginning of the second page of patch area that lies between nonpaged
: and pageable exec routines. If it is necessary to add another page of
: nonpaged patch space, then this cell (from BOO$GL_PGDCOD in SYSBOOT) and
: the first longword of the descriptor for the nonpaged read-only patch area
: must have 512 added to their contents.
:

```

```

.IF      NDF,PRMSW

```



```
.PSECT $$$917
.IFF
.PSECT $$$917A
.ENDC
```

```
DEFINE          MMG$GL_PGDCOD  : CELL THAT CONTAINS BOUNDARY
DEFINE          PAT$GL_EXP_NPG2 : (SYNONYM)
.LONG          0
```

```
.IF          NDF,PRMSW
```

```
BOO$C_SYSPARSZ==.-EXESA_SYSPARAM          : SIZE OF PARAMETER AREA READ BY SYSBOOT
```

```
:
: Bound pagable exec code to page boundary and define
: starting virtual address of this region.
:
```

```
.PSECT Y$$$BEGIN_PAGEDCODE,PAGE
.ENDC
```

```
.ENDC          : NOT_DEFINED GETSYISW
```

```
:
: Terminate the definition of the macro
:
```

```
.ENDM SYI_GENERATE_TABLE
```

```
:
: Invoke the macro just defined (if this isn't getsyi)
:
```

```
.IIF          NOT_DEFINED GETSYISW, SYI_GENERATE_TABLE
```

```
.IIF          NOT_DEFINED GETSYISW, .END          : PREFIX FILE, IF GETSYISW
```

This image displays a grid of 100 small, illegible document thumbnails arranged in 10 rows and 10 columns. The thumbnails are too small to read, but several larger, legible text elements are visible within the grid:

- CMODSDSP MAR**: Located in the middle-left area of the grid.
- SYSMAR MAR**: Located in the lower-middle area of the grid.
- SYSPARAM MAR**: Located in the lower-middle area of the grid, to the right of SYSMAR.
- ALLOCPFN LIS**: Located in the upper-right area of the grid.
- ACCOUNT LIS**: Located in the middle-right area of the grid.
- ASTDEL LIS**: Located in the lower-right area of the grid.