





Subroutine ERFPROC3INI ( Array\_addr, Array\_size )

```
0001 C
0002 C
0003 C
0004 C Version:      'V04-000'
0005 C
0006 C*****
0007 C*
0008 C* COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
0009 C* DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
0010 C* ALL RIGHTS RESERVED.
0011 C*
0012 C* THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED
0013 C* ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE
0014 C* INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER
0015 C* COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY
0016 C* OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
0017 C* TRANSFERRED.
0018 C*
0019 C* THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
0020 C* AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
0021 C* CORPORATION.
0022 C*
0023 C* DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0024 C* SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0025 C*
0026 C*
0027 C*****
0028 C
0029 C
0030 C
0031 C      AUTHOR: Elliott A. Drayton          CREATION DATE: 27-Jan-1983
0032 C
0033 C      Functional description:
0034 C
0035 C      This is the initialization module for the loadable image ERFPROC3.EXE.
0036 C      After ERFPROC3 has been loaded this routine is called to return
0037 C      the information from it tables. These tables specify which error
0038 C      log packets this loadable image will process. The tables consist of:
0039 C
0040 C      ENTRY TYPE, DEVICE CLASS, MODULE VERSION, TRANSFER VECTOR OFFSET
0041 C
0042 C      The ENTRY TYPE value is the packet type identifier for the packets that
0043 C      this loadable image will process.
0044 C
0045 C      The DEVICE CLASS value specifies the class of the packet that will
0046 C      be process by this loadable image.
0047 C
0048 C      The MODULE VERSION is used to determine if the module in this image
0049 C      is the one to use. This is accomplished by the root image comparing
0050 C      this value against the value in the master tables in the root image.
0051 C
0052 C      The TRANSFER VECTOR OFFSET is the index to the transfer vector to
0053 C      be used for a specific device or entry type. For example, the transfer
0054 C      vectors for the disk image are ordered as:
0055 C
0056 C      INITDISK 0      ! a routine similar to this one
0057 C      MASSDISK 1     ! a device specific routine
```

N 12  
16-Sep-1984 00:04:11  
5-Sep-1984 13:57:52

VAX-11 FORTRAN V3.4-56  
DISK\$VMSMASTER:[ERF.SRC]INITPROC3.FOR;1

0058  
0059  
0060  
0061  
0062  
0063  
0064  
0065  
0066  
0067  
0068  
0069  
0070

C  
C  
C  
C  
C  
C  
C  
C  
C  
C  
C  
C  
C\*\*

RKDISK 2  
RLDISK 3  
ECT.

Modified by:

V03-002 SAR0206 Sharon A. Reynolds 27-Feb-1984  
Added bus errors and asynchronous write entry support (SBI).  
SR0001 Sharon Reynolds 17-Mar-1983  
Change tables to support SBI alert, soft and hard ECC's,  
and volume mounts and dismounts.

0071  
0072  
0073  
0074  
0075  
0076  
0077  
0078  
0079  
0080  
0081  
0082  
0083  
0084  
0085  
0086  
0087  
0088  
0089  
0090  
0091  
0092  
0093  
0094  
0095  
0096  
0097  
0098  
0099  
0100  
0101  
0102  
0103  
0104  
0105  
0106

DEFINE ENTRY TYPES

```
Parameter EMB$K_SA = 5      ! SBI alert
Parameter EMB$K_SE = 6      ! Soft ECC error
Parameter EMB$K_HE = 8      ! Hard ECC error
Parameter EMB$K_VM = 64     ! Volume mount entries %x40
Parameter EMB$K_VD = 65     ! Volume dismount entries %x41
Parameter EMB$K_BE = 4      ! Bus errors
Parameter EMB$K_AW = 7      ! Async write errors

Parameter Zero = 0
Parameter V1 = 1           ! Device module version number

Parameter      Maxtypes = 7

Integer*4      Array_addr, Array_size

Integer*2      Proc3_codes ( 4 * Maxtypes )

Data          Proc3_codes /
1 EMB$K_SA, zero, V1, 1,      ! SBI alert entries
2 EMB$K_SE, zero, V1, 1,      ! Soft ECC error
3 EMB$K_HE, zero, V1, 1,      ! Hard ECC error
4 EMB$K_VM, zero, V1, 2,      ! Volume mount entries
5 EMB$K_VD, zero, V1, 2,      ! Volume dismount entries
6 EMB$K_BE, zero, V1, 3,      ! Bus error entries
7 EMB$K_AW, zero, V1, 3,      ! Asynchronous write error
                               ! entries

Array_addr = %LOC (proc3_codes(1))
Array_size = Maxtypes

Return
End
```

## PROGRAM SECTIONS

Name	Bytes	Attributes
0 \$CODE	19	PIC CON REL LCL SHR EXE RD NOWRT LONG
2 \$LOCAL	56	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
Total Space Allocated	75	

## ENTRY POINTS

Address	Type	Name
0-00000000		ERFPRC3INI

## VARIABLES

Address	Type	Name	Address	Type	Name
AP-00000004a	I*4	ARRAY_ADDR	AP-00000008a	I*4	ARRAY_SIZE

## ARRAYS

Address	Type	Name	Bytes	Dimensions
2-00000000	I*2	PROC3_CODES	56	(28)

## COMMAND QUALIFIERS

```

FORTRAN /LIS=LIS$:INITPROC3/OBJ=OBJ$:INITPROC3 MSRC$:INITPROC3
/CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)
/DEBUG=(NOSYMBOLS,TRACEBACK)
/STANDARD=(NOSYNTAX,NOSOURCE FORM)
/SHOW=(NOPREPROCESSOR,NOINCLUDE,MAP)
/F77 /NOG_FLOATING /I4 /OPTIMIZE /WARNINGS /NOD_LINES /NOCROSS_REFERENCE /NOMACHINE_CODE /CONTINUATIONS=19

```

## COMPILATION STATISTICS

```

Run Time:          0.76 seconds
Elapsed Time:      3.78 seconds
Page Faults:       85
Dynamic Memory:    155 pages

```

ERFRTVEC LIS	ERFSUMM LIS	ERFTAPEVE LIS	ERLOGSTS LIS	ERLOGMSG LIS	ERFSUMVEC LIS	GETCODE LIS	EXECIMAGE LIS	FILES LIS	HEADER LIS	INITPROC1 LIS	INITREAL LIS	INITBUS LIS	INITPROC4 LIS	RM53271 LIS
ERFRTVEC LIS	ERFSUMM LIS	ERFTAPEVE LIS	ERLOGSTS LIS	ERLOGMSG LIS	ERFSUMVEC LIS	GETCODE LIS	EXECIMAGE LIS	FILES LIS	HEADER LIS	INITPROC2 LIS	INIT_TAPE LIS	INITPROC3 LIS	INITPROC5 LIS	INITDISK LIS
ERFRTVEC LIS	ERFSUMM LIS	ERFTAPEVE LIS	ERLOGSTS LIS	ERLOGMSG LIS	ERFSUMVEC LIS	IMAGeload LIS	INITPROC3 LIS	INTERVENE LIS						