


```

PPPPPPPP      AAAAAA      RRRRRRRR      SSSSSSSS      EEEEEEEEEE      RRRRRRRR      DDDDDDDD      AAAAAA      TTTTTTTTTT
PPPPPPPP      AAAAAA      RRRRRRRR      SSSSSSSS      EEEEEEEEEE      RRRRRRRR      DDDDDDDD      AAAAAA      TTTTTTTTTT
PP      PP      AA      AA      RR      RR      SS      EEEEEEEEEE      RR      RR      DD      DD      AA      AA      TT
PP      PP      AA      AA      RR      RR      SS      EEEEEEEEEE      RR      RR      DD      DD      AA      AA      TT
PP      PP      AA      AA      RR      RR      SS      EEEEEEEEEE      RR      RR      DD      DD      AA      AA      TT
PP      PP      AA      AA      RR      RR      SS      EEEEEEEEEE      RR      RR      DD      DD      AA      AA      TT
PPPPPPPP      AA      AA      RRRRRRRR      SSSSSS      EEEEEEEE      RRRRRRRR      DD      DD      AA      AA      TT
PPPPPPPP      AA      AA      RRRRRRRR      SSSSSS      EEEEEEEE      RRRRRRRR      DD      DD      AA      AA      TT
PP      AAAAAAAAAA      RR      RR      SS      EEEEEEEE      RR      RR      DD      DD      AAAAAAAAAA      TT
PP      AAAAAAAAAA      RR      RR      SS      EEEEEEEE      RR      RR      DD      DD      AAAAAAAAAA      TT
PP      AA      AA      RR      RR      SS      EEEEEEEE      RR      RR      DD      DD      AA      AA      TT
PP      AA      AA      RR      RR      SS      EEEEEEEEEE      RR      RR      DD      DD      AA      AA      TT
PP      AA      AA      RR      RR      SSSSSSSS      EEEEEEEEEE      RR      RR      DDDDDDDD      AA      AA      TT
PP      AA      AA      RR      RR      SSSSSSSS      EEEEEEEEEE      RR      RR      DDDDDDDD      AA      AA      TT

```

```

SSSSSSSS      DDDDDDDD      LL
SSSSSSSS      DDDDDDDD      LL
SS      DD      DD      LL
SS      DD      DD      LL
SS      DD      DD      LL
SS      DD      DD      LL
SSSSSS      DD      DD      LL
SSSSSS      DD      DD      LL
SS      DD      DD      LL
SS      DD      DD      LL
SS      DD      DD      LL
SS      DD      DD      LL
SSSSSSSS      DDDDDDDD      LLLLLLLLLL
SSSSSSSS      DDDDDDDD      LLLLLLLLLL

```



PARSERDAT.SDL - ERF parser data definitions

Version 'V04-000'

```

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{++

FACILITY: ERF, Error logging report generator.

ABSTRACT:

This file contains the structure definitions for the ERF utility.

ENVIRONMENT:

VAX/VMS operating system.

AUTHOR: Sharon A. Reynolds

CREATION DATE: 29-Mar-1983

Modified by:

V03-008	SAR0243	Sharon A. Reynolds	4-Apr-1984
		- Removed the erftables definitions.	
		- Fixed a problem with the dev queue definition.	
V03-007	EAD0117	Elliott A. Drayton	22-Mar-1984
		Removed UNKNOWN from qualifier the definitions and put it in the keyword definitions.	
V03-006	JMG0007	Joel M. Gringorten,	6-Feb-1984

Added Statistics qualifier bit to OPTDEF.

```

V03-005 JMG0002      Joel M. Gringorten,      9-Jan-1983
        Added Histogram option bit in SUMDEF

V03-004 SAR0182      Sharon A. Reynolds,      13-Dec-1983
        - Removed descriptor definitions.
        - Changed bugcheck value storage.

V03-003 SAR0171      Sharon A. Reynolds,      16-Nov-1983
        Updated the erftables support to add devices other
        than disks and tapes.

V03-002 SAR0153      Sharon A. Reynolds,      7-Oct-1983
        Removed 'device_select', 'dev_class_select', and
        'entry_select' from option_flag. Added them to
        include_mask and exclude_mask definitions.

V03-001 SAR0024      Sharon A. Reynolds,      11-May-1983
        Removed support for logstatus.

```

{**

Module \$PRSTBLDEF ;

Aggregate PRS_TABLE structure prefix ERL\$;

```

CMD_LINE structure prefix CMD$ ;
  SIZE word unsigned ;
  TYPE byte unsigned ;
  CLASS byte unsigned ;
  POINTER address ;
End CMD_LINE ;

```

End PRS_TABLE ;

End_module \$PRSTBLDEF ;

Module \$PRSDATDEF ;

Aggregate PRS_DATA structure prefix ERL\$;

```

RPT_TYPE byte unsigned ;          /* Report mode indicator (brief,full,
                                   /* decode_reg,summmary)

SID_SELECTION longword unsigned ; /* SID register selection

END_DATE quadword unsigned ;     /* Before date/time storage
START_DATE quadword unsigned ;   /* Since date/time storage

/* /entry data
START_ENTRY longword unsigned ;
END_ENTRY longword unsigned ;

```

```

/* MBX info
MBX_CHANNEL longword unsigned ;          /* MBX channel storage
MBX_UNIT longword unsigned ;            /* MBX unit number storage

/* Getchn buffer
GETCHN_BUFFER character length 44 ;      /*

End PRS_DATA ;

/* Bugcheck value storage
Aggregate BUGCHK_DEF union prefix BUG$ ;
  BUGCHK_FLAGS structure ;
    FATAL_BUGCHKs bitfield ;
    NON_FATAL_BUGCHKs bitfield ;
    USER_BUGCHECKS bitfield ;
  END BUGCHK_FLAGS ;
END BUGCHK_DEF ;

/* Qualifier presence and option selection indicators
Aggregate OPTDEF union prefix OPT$ ;
  OPT_FLAGS structure ;
    BEFORE_QUAL bitfield ;          /* /before indicator
    BINARY_QUAL bitfield ;         /* /binary indicator
    BRIEF_QUAL bitfield ;          /* /brief indicator
    ENTRY_QUAL bitfield ;          /* /entry indicator
    EXCLUDE_QUAL bitfield ;        /* /exclude indicator
    FULL_QUAL bitfield ;           /* /full indicator
    INCLUDE_QUAL bitfield ;        /* /include indicator
    LOG_QUAL bitfield ;            /* /log indicator
    OUTPUT_QUAL bitfield ;         /* /output indicator
    PAGE_QUAL bitfield ;           /* /page indicator
    REJECTED_QUAL bitfield ;       /* /rejected indicator
    REG_DUMP_QUAL bitfield ;       /* /register_dump indicator
    SID_REG_QUAL bitfield ;        /* /sid_register indicator
    SINCE_QUAL bitfield ;          /* /since indicator
    SUMMARY_QUAL bitfield ;        /* /summary indicator
    OUTPUT_ALL bitfield ;          /* Output all entries, (/include
    STATISTICS_QUAL bitfield ;     /* /statistics indicator
  End OPT_FLAGS ;                  /* and /exclude not specified).
End OPTDEF ;

/* /exclude option selection indicators
Aggregate EXCDEF union prefix EXCS$ ;
  EXCLUDE_FLAGS structure ;
    ASYNC_COMM bitfield ;
    BUSES bitfield ;
    DISKS bitfield ;
    JOURNAL bitfield ;
    LINE_PRINTER bitfield ;
    MISC bitfield ;
    REALTIME bitfield ;
    SYNC_COMM bitfield ;
    TAPES bitfield ;
    DEV_ATTENTIONS bitfield ;
    BUGCHKs bitfield ;

```

```

CONTROL_ENTRY bitfield ;
CPU_ENTRY bitfield ;
DEV_ERRORS bitfield ;
MACHINE_CHKS bitfield ;
MEMORY bitfield ;
DEV_TIMEOUTS bitfield ;
UNSOL_MSCP bitfield ;
VOLUME bitfield ;
UNKNOWN_ENTRY bitfield ;
DEVICE_SELECT bitfield ;
DEV_CLASS_SELECT bitfield ;
ENTRY_SELECT bitfield ;
End EXCLUDE_FLAGS ;

```

```

/* Unknown entry indicator
/* Device selection indicator
/* Device class selection indicator
/* Entry selection indicator

```

```
End EXCDEF ;
```

```
/* /include option selection indicators
Aggregate INCDEF union prefix INCS ;
```

```

INCLUDE_FLAGS structure ;
  ASYNC_COMM bitfield ;
  BUSES bitfield ;
  DISKS bitfield ;
  JOURNAL bitfield ;
  LINE_PRINTER bitfield ;
  MISC bitfield ;
  REALTIME bitfield ;
  SYNC_COMM bitfield ;
  TAPES bitfield ;
  DEV_ATTENTIONS bitfield ;
  BUGCHKS bitfield ;
  CONTROL_ENTRY bitfield ;
  CPU_ENTRY bitfield ;
  DEV_ERRORS bitfield ;
  MACHINE_CHKS bitfield ;
  MEMORY bitfield ;
  DEV_TIMEOUTS bitfield ;
  UNSOL_MSCP bitfield ;
  VOLUME bitfield ;
  UNKNOWN_ENTRY bitfield ;
  DEVICE_SELECT bitfield ;
  DEV_CLASS_SELECT bitfield ;
  ENTRY_SELECT bitfield ;
End INCLUDE_FLAGS ;

```

```

/* Unknown entry indicator
/* Device selection indicator
/* Device class selection indicator
/* Entry selection indicator

```

```
End INCDEF ;
```

```
Aggregate SUMDEF union prefix SUMS ;
```

```

SUMMARY_FLAGS structure ;
  ALL_SUMM bitfield mask ;
  DEVICE bitfield mask ;
  ENTRY bitfield mask ;
  MEMORY bitfield mask ;
  VOLUME bitfield mask ;
  HISTOGRAM bitfield mask ;
End SUMMARY_FLAGS ;

```

```
End SUMDEF ;
```

```
End_module $PRSDATDEF ;
```

Module \$QUENTDEF ;

```
/* Selected device queue entry definition
Aggregate DEV_QUEUE structure prefix DEVS ;
  FLINK address ;
  BLINK address ;
  DEV_NAME_LENGTH byte ;
  DEV_NAME character length 16 varying ;
  UNIT word ;
  CLASS byte ;
  FLAGS_OVERLAY union ;
    FLAG_BITS structure ;
      NODE_NAME_WILD bitfield ;
      EXCLUDE_FCG bitfield ;
    End FLAG_BITS ;
  End FLAGS_OVERLAY ;
End DEV_QUEUE ;
End_module $QUENTDEF ;
```

