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EEEEEEEEEEEEEEEE	DDDDDDDDDDDD		FFFFFFFFFFFFFF
EEEEEEEEEEEEEEEE	DDDDDDDDDDDD		FFFFFFFFFFFFFF
EEEEEEEEEEEEEEEE	DDDDDDDDDDDD		FFFFFFFFFFFFFF
EEE	DDD	DDD	FFF
EEE	DDD	DDD	FFF
EEE	DDD	DDD	FFF
EEE	DDD	DDD	FFF
EEE	DDD	DDD	FFF
EEE	DDD	DDD	FFF
EEE	DDD	DDD	FFF
EEEEEEEEEEEE	DDD	DDD	FFFFFFFFFFFF
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EEEEEEEEEE DDDDDDDD FFFFFFFFFF TTTTTTTTTT YY YY PPPPPPPP EEEEEEEEEE
EEEEEEEEEE DDDDDDDD FFFFFFFFFF TTTTTTTTTT YY YY PPPPPPPP EEEEEEEEEE
EE DD DD FF TT YY YY PP PP EE
EE DD DD FF TT YY YY PP PP EE
EE DD DD FF TT YY YY PP PP EE
EE DD DD FF TT YY YY PP PP EE
EEEEEEEEEE DD DD FFFFFFFF TT YY YY PPPPPPPP EEEEEEEEEE
EEEEEEEEEE DD DD FFFFFFFF TT YY YY PPPPPPPP EEEEEEEEEE
EE DD DD FF TT YY YY PP PP EE
EE DD DD FF TT YY YY PP PP EE
EE DD DD FF TT YY YY PP PP EE
EEEEEEEEEE DDDDDDDD TT YY YY PP PP EEEEEEEEEE
EEEEEEEEEE DDDDDDDD TT YY YY PP PP EEEEEEEEEE

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LL          IIIIII SSSSSSSS
LL          IIIIII SSSSSSSS
LL          II     SS
LL          II     SS
LL          II     SS
LL          II     SS
LL          II     SSSSSS
LL          II     SSSSSS
LL          II     SS
LL          II     SS
LL          II     SS
LL          II     SS
LLLLLLLLLLL IIIIII SSSSSSSS
LLLLLLLLLLL IIIIII SSSSSSSS

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```

0001      [ IDENT ('V04-000'),
0002      ( ++
0003      *****
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```

0030 FACILITY:      VAX/VMS EDF (EDIT/FDL) UTILITY
0031
0032 ABSTRACT:      This facility is used to create, modify, and optimize
0033                FDL specification files.
0034
0035 ENVIRONMENT:    NATIVE/USER MODE
0036
0037 AUTHOR:        Ken F. Henderson Jr.
0038
0039 CREATION DATE: 27-Mar-1981
0040
0041 MODIFIED BY:
0042
0043      V03-007 KFH0007      Ken Henderson      10 Sep 1983
0044                Support for named UICs.
0045
0046      V03-006 KFH0006      Ken Henderson      8 Aug 1983
0047                Changes for seperate compilation.
0048
0049      V03-005 KFH0005      Ken Henderson      30 Jul 1983
0050                Added DEFERRED_WRITE.
0051
0052      V03-004 KFH0004      Ken Henderson      26 Apr 1983
0053                Added STRING22.
0054
0055      V03-003 KFH0003      Ken Henderson      14 Apr 1983
0056                Added LEVEL1_RECORD_COUNT.
0057

```





EDFTYPE  
V04-000

Source Listing

K 13  
16-Sep-1984 00:42:16  
5-Sep-1984 13:38:43

VAX-11 Pascal V2.4-277  
DISK\$VMSMASTER:[EDF.SRC]EDFTYPE.PAS;1 (3) Page 4

```
0110      ( +
0111      These are the Secondary Attributes.
0112      - )
0113      SECONDARY_TYPE = (
0114
0115      { RESERVE 0 }      DUMMY_SECONDARY$,
0116
0117      { ACCESS PRIMARY }
0118
0119              BLOCK_IOS,
0120              DELETES,
0121              GETS,
0122              PUTS,
0123              RECORD_IOS,
0124              TRUNCATES,
0125              UPDATES,
0126
0127      { ACL PRIMARY }
0128
0129              ENTRY,
0130
0131      { ANALYSIS_OF_AREA PRIMARY }
0132
0133              RECLAIMED_SPACE,
0134
0135      { ANALYSIS_OF_KEY PRIMARY }
0136
0137              DATA_FILLS,
0138              DATA_KEY_COMPRESSIONS,
0139              DATA_RECORD_COMPRESSIONS,
0140              DATA_RECORD_COUNT,
0141              DATA_SPACE_OCCUPIED,
0142              DELETIONS,
0143              DEPTH,
0144              DUPLICATES_PER_SIDR,
0145              INDEX_COMPRESSIONS,
0146              INDEX_FILLS,
0147              INDEX_SPACE_OCCUPIED,
0148              LEVELT_RECORD_COUNT,
0149              MEAN_DATA_LENGTH,
0150              MEAN_INDEX_LENGTH,
0151              RANDOM_ACCESSES,
0152              RANDOM_INSERTS,
0153              SEQUENTIAL_ACCESSES,
0154
0155      { AREA PRIMARY }
0156
0157              ALLOCATIONS,
0158              BEST_TRY_CONTIGUOUS$,
0159              BUCKET_SIZES,
0160              CONTIGUOUS$,
0161              EXACT_POSITIONINGS$,
0162              EXTENSIONS$,
0163              POSITIONS$,
0164              VOLUMES$,
0165
0166      { CONNECT PRIMARY }
```

```
0167
0168     ASYNCHRONOUS,
0169     BLOCK_IO,
0170     BUCKET_CODE,
0171     CONTEXT,
0172     END_OF_FILE,
0173     FILE_BUCKETS,
0174     FAST_DELETE,
0175     KEY_OF_REFERENCE,
0176     KEY_GREATER_EQUAL,
0177     KEY_GREATER_THAN,
0178     KEY_LIMIT,
0179     LOCATE_MODE,
0180     LOCK_ON_READ,
0181     LOCK_ON_WRITE,
0182     MANUAL_UNLOCKING,
0183     MULTIBLOCK_COUNT,
0184     MULTIBUFFER_COUNT,
0185     NOLOCK,
0186     NONEXISTENT_RECORD,
0187     READ_AHEAD,
0188     READ_REGARDLESS,
0189     TIMEOUT_ENABLE,
0190     TIMEOUT_PERIOD,
0191     TRUNCATE_ON_PUT,
0192     TT_CANCEL_CONTROL_D,
0193     TT_UPCASE_INPUT,
0194     TT_PROMPT,
0195     TT_PURGE_TYPE_AHEAD,
0196     TT_READ_NOECHO,
0197     TT_READ_NOFILTER,
0198     UPDATE_IF,
0199     WAIT_FOR_RECORD,
0200     WRITE_BEHIND,
0201
0202     { DATE PRIMARY }
0203
0204     BACKUPS,
0205     CREATIONS,
0206     EXPIRATIONS,
0207     REVISIONS,
0208
0209     { FILE PRIMARY }
0210
0211     ALLOCATION,
0212     BEST_TRY_CONTIGUOUS,
0213     BUCKET_SIZE,
0214     CLUSTER_SIZE,
0215     CONTEXTS,
0216     CONTIGUOUS,
0217     CREATE_IF,
0218     DEFAULT_NAME,
0219     DEFERRED_WRITE,
0220     DELETE_ON_CLOSE,
0221     DIRECTORY_ENTRY,
0222     ERASE_ON_DELETE,
0223     EXTENSION,
```

```
0224 GLOBAL_BUFFER_COUNT,  
0225 MT_BLOCK_SIZE,  
0226 MT_CURRENT_POSITION,  
0227 MT_NOT_EOF,  
0228 MT_PROTECTION,  
0229 MT_OPEN_REWIND,  
0230 MT_CLOSE_REWIND,  
0231 MAX_RECORD_NUMBER,  
0232 MAXIMIZE_VERSION,  
0233 NAME,  
0234 NOBACKUP,  
0235 NON_FILE_STRUCTURED,  
0236 OUTPUT_FILE_PARSE,  
0237 ORGANIZATION,  
0238 OWNER,  
0239 PRINT_ON_CLOSE,  
0240 PROTECTION,  
0241 READ_CHECK,  
0242 REVISION,  
0243 SEQUENTIAL_ONLY,  
0244 SUBMIT_ON_CLOSE,  
0245 SUPERSEDE,  
0246 TEMPORARY,  
0247 TRUNCATE_ON_CLOSE,  
0248 USER_FILE_OPEN,  
0249 WINDOW_SIZE,  
0250 WRITE_CHECK,  
0251  
0252 { JOURNALING PRIMARY }  
0253  
0254 AFTER_IMAGE,  
0255 AFTER_NAME,  
0256 AUDIT_TRAIL,  
0257 AUDIT_NAME,  
0258 BEFORE_IMAGE,  
0259 BEFORE_NAME,  
0260 RECOVERY_UNIT,  
0261  
0262 { KEY PRIMARY }  
0263  
0264 CHANGES,  
0265 DATA_AREA,  
0266 DATA_FILL,  
0267 DATA_KEY_COMPRESSION,  
0268 DATA_RECORD_COMPRESSION,  
0269 DUPLICATES,  
0270 INDEX_AREA,  
0271 INDEX_COMPRESSION,  
0272 INDEX_FILL,  
0273 LEVEL_INDEX_AREA,  
0274 NAMES,  
0275 NULL_KEY,  
0276 NULL_VALUE,  
0277 PROLOGUE,  
0278 SEG_LENGTH,  
0279 SEG_POSITION,  
0280 SEG_TYPE,
```



```
0281      ( RECORD PRIMARY )
0282
0283
0284          BLOCK_SPAN,
0285          CARRIAGE_CONTROL,
0286          CONTROL_FIELD_SIZE,
0287          FORMAT,
0288          SIZE,
0289
0290      ( SHARING PRIMARY )
0291
0292          DELETE,
0293          GET,
0294          MULTISTREAM,
0295          PROHIBIT,
0296          PUT,
0297          UPDATE,
0298          USER_INTERLOCK,
0299
0300      ( SYSTEM PRIMARY )
0301
0302          DEVICE,
0303          SOURCE,
0304          TARGET
0305
0306      );
0307
0308      LINE_OBJECT_TYPE = (
0309          PRI,
0310          SEC,
0311          COM
0312      );
0313
0314      SUB1      = 1..1;
0315      SUB2      = 1..2;
0316      SUB3      = 1..3;
0317      SUB4      = 1..4;
0318      SUB5      = 1..5;
0319      SUB6      = 1..6;
0320      SUB7      = 1..7;
0321      SUB8      = 1..8;
0322      SUB9      = 1..9;
0323      SUB10     = 1..10;
0324      SUB11     = 1..11;
0325      SUB12     = 1..12;
0326      SUB13     = 1..13;
0327      SUB14     = 1..14;
0328      SUB15     = 1..15;
0329      SUB16     = 1..16;
0330      SUB17     = 1..17;
0331      SUB18     = 1..18;
0332      SUB19     = 1..19;
0333      SUB20     = 1..20;
0334      SUB22     = 1..22;
0335      SUB24     = 1..24;
0336      SUB25     = 1..25;
0337      SUB26     = 1..26;
```



## Source Listing

```
0395 STRING80 = PACKED ARRAY [SUB80] OF CHAR;  
0396 STRING132 = PACKED ARRAY [SUB132] OF CHAR;  
0397 STRING255 = PACKED ARRAY [SUB255] OF CHAR;  
0398  
0399 DESCRIPTOR = PACKED RECORD  
0400     DSC$W_LENGTH      : WORD;  
0401     DSC$B_DTYPE     : BYTE;  
0402     DSC$B_CLASS     : BYTE;  
0403     DSC$A_POINTER   : [UNSAFE]^STRING255;  
0404     END;  
0405  
0406 CTRL_ARRAY = [VOLATILE] PACKED ARRAY [0..31] OF BOOLEAN;  
0407  
0408 LINE_OBJECT = RECORD  
0409     OBJECT_TYPE      : LINE_OBJECT_TYPE;  
0410     FORE             : ^LINE_OBJECT;  
0411     BACK            : ^LINE_OBJECT;  
0412     COMMENT         : DESCRIPTOR;  
0413     STRING          : DESCRIPTOR;  
0414     PRIMARY         : PRIMARY_TYPE;  
0415     PRINUM          : LONG;  
0416     SECONDARY       : SECONDARY_TYPE;  
0417     SECNUM          : LONG;  
0418     QUALIFIER       : LONG;  
0419     NUMBER           : LONG;  
0420     SWITCH           : BOOLEAN;  
0421     OWNER_UIC       : LONG;  
0422     PROT_MASK       : CTRL_ARRAY;  
0423     FID1             : LONG;  
0424     FID2             : LONG;  
0425     FID3             : LONG;  
0426     END;  
0427  
0428 STRING_PTR = ^STRING255;  
0429 DESCRIPTOR_PTR = ^DESCRIPTOR;  
0430  
0431 FAB_PTR      = ^INTEGER;  
0432 FDL_PTR      = ^INTEGER;  
0433 LONG_PTR     = ^LONG;  
0434 PRI_PTR      = ^PRIMARY_TYPE;  
0435 SEC_PTR      = ^SECONDARY_TYPE;  
0436 BOOLE_PTR    = ^BOOLEAN;  
0437 STR24_PTR    = ^STRING24;  
0438  
0439 SIGARR       = ARRAY [0..9] OF INTEGER;      { cond handling signal array }  
0440 MECHARR      = ARRAY [0..4] OF INTEGER;      { cond handling mechanism array }  
0441  
0442 QTAB_ENTRY   = RECORD  
0443     ANSWER_CLASS   : INTEGER;  
0444     DEFAULT_OK     : BOOLEAN;  
0445     DEFAULT        : INTEGER;  
0446     LOW_BOUND      : INTEGER;  
0447     HIGH_BOUND     : INTEGER;  
0448     KEY_TABLE      : INTEGER;  
0449     STATE_TABLE    : INTEGER;  
0450     END;  
0451
```

```
0452 FDL_TYPE = [VOLATILE] ARRAY [0..FDL$K_BLOCK_END] OF LONG;  
0453 TEMP_VARYING = VARYING [EDF$K_TEMP_VARYING_SIZE] OF CHAR;  
0454  
0455 (** *)  
0456 (* FDL CALL INTERFACE CONTROL FLAGS *)  
0457 (*- *)  
0458  
0459 $BIT1 = [BIT(1),UNSAFE] BOOLEAN;  
0460  
0461 FDL2$TYPE = RECORD CASE INTEGER OF  
0462 1: (FDL$_FDLDEF_BITS : [BYTE(1)] RECORD END;  
0463 );  
0464 2: (FDL$_SIGNAL : [POS(0)] $BIT1; (* SIGNAL ERRORS, DON'T RETURN *)  
0465 FDL$_FDL_STRING : [POS(1)] $BIT1; (* MAIN FDL SPEC IS A CHAR STRING *)  
0466 FDL$_DEFAULT_STRING : [POS(2)] $BIT1; (* DEFAULT FDL SPEC IS A CHAR STRING *)  
0467 FDL$_FULL_OUTPUT : [POS(3)] $BIT1; (* PRODUCE A 'COMPLETE' FDL SPEC *)  
0468 FDL$_SCALEBACK : [POS(4)] $BIT1; (* USED BY EDF ON INPUT (DEC ONLY) *)  
0469 )  
0470 END;  
0471  
0472 END.  
0473 { End of file SRC$:EDFTYPE.PAS }
```





[Screenshot 1]	[Screenshot 2]	[Screenshot 3]	[Screenshot 4]	[Screenshot 5]	[Screenshot 6]	[Screenshot 7]	[Screenshot 8]	[Screenshot 9]	[Screenshot 10]	[Screenshot 11]	[Screenshot 12]
[Screenshot 13]	[Screenshot 14]	[Screenshot 15]	[Screenshot 16]	[Screenshot 17]	[Screenshot 18]	[Screenshot 19]	[Screenshot 20]	[Screenshot 21]	[Screenshot 22]	[Screenshot 23]	[Screenshot 24]
[Screenshot 25]	[Screenshot 26]	[Screenshot 27]	[Screenshot 28]	[Screenshot 29]	[Screenshot 30]	[Screenshot 31]	[Screenshot 32]	[Screenshot 33]	[Screenshot 34]	[Screenshot 35]	[Screenshot 36]
[Screenshot 37]	[Screenshot 38]	[Screenshot 39]	[Screenshot 40]	[Screenshot 41]	[Screenshot 42]	[Screenshot 43]	[Screenshot 44]	[Screenshot 45]	[Screenshot 46]	[Screenshot 47]	[Screenshot 48]
[Screenshot 49]	[Screenshot 50]	[Screenshot 51]	[Screenshot 52]	[Screenshot 53]	[Screenshot 54]	[Screenshot 55]	[Screenshot 56]	[Screenshot 57]	[Screenshot 58]	[Screenshot 59]	[Screenshot 60]
[Screenshot 61]	[Screenshot 62]	[Screenshot 63]	[Screenshot 64]	[Screenshot 65]	[Screenshot 66]	[Screenshot 67]	[Screenshot 68]	[Screenshot 69]	[Screenshot 70]	[Screenshot 71]	[Screenshot 72]
[Screenshot 73]	[Screenshot 74]	[Screenshot 75]	[Screenshot 76]	[Screenshot 77]	[Screenshot 78]	[Screenshot 79]	[Screenshot 80]	[Screenshot 81]	[Screenshot 82]	[Screenshot 83]	[Screenshot 84]
[Screenshot 85]	[Screenshot 86]	[Screenshot 87]	[Screenshot 88]	[Screenshot 89]	[Screenshot 90]	[Screenshot 91]	[Screenshot 92]	[Screenshot 93]	[Screenshot 94]	[Screenshot 95]	[Screenshot 96]
[Screenshot 97]	[Screenshot 98]	[Screenshot 99]	[Screenshot 100]	[Screenshot 101]	[Screenshot 102]	[Screenshot 103]	[Screenshot 104]	[Screenshot 105]	[Screenshot 106]	[Screenshot 107]	[Screenshot 108]
[Screenshot 109]	[Screenshot 110]	[Screenshot 111]	[Screenshot 112]	[Screenshot 113]	[Screenshot 114]	[Screenshot 115]	[Screenshot 116]	[Screenshot 117]	[Screenshot 118]	[Screenshot 119]	[Screenshot 120]
[Screenshot 121]	[Screenshot 122]	[Screenshot 123]	[Screenshot 124]	[Screenshot 125]	[Screenshot 126]	[Screenshot 127]	[Screenshot 128]	[Screenshot 129]	[Screenshot 130]	[Screenshot 131]	[Screenshot 132]
[Screenshot 133]	[Screenshot 134]	[Screenshot 135]	[Screenshot 136]	[Screenshot 137]	[Screenshot 138]	[Screenshot 139]	[Screenshot 140]	[Screenshot 141]	[Screenshot 142]	[Screenshot 143]	[Screenshot 144]