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```

```

MODULE      EDFSTRUCT;
/* EDFSTRUCT - Structure definitions for EDIT/FDL
/*
/*      Version      'V04-000'
/*
/******
/*
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/*
/******
/****
/*
/* FACILITY:  EDIT/FDL (EDF)
/*
/* ABSTRACT:
/*
/*      This file contains the SDL source for EDIT/FDL (EDF).
/*
/* ENVIRONMENT:
/*
/*      n/a
/*
/*--
/*
/* AUTHOR:  Ken Henderson      CREATION DATE:  Sep-1982
/*
/* MODIFIED BY:
/*
/*      V03-003  KFH0003      Ken Henderson      8 Sep 1983
/*              Fixed ",," in constant list.
/*
/*      V03-002  KFH0002      Ken Henderson      26 Apr 1983
/*              Added offsets for ADD_KEY, DELETE_KEY
/*              scripts.
/*
/*      V03-001  KFH0001      Ken Henderson      14 Apr 1983
/*              Added offsets for SET_FUNCTION,

```

```
/*          GRANULARITY, PROMPTING, RESPONSES,
/*          ANALYSIS, SEGMENTED and OUTPUT.
/*

/** Non-QTAB offsets, for variables that don't correspond to questions.
/**
/** They should be ordered: IDATA, BDATA, RDATA, SDATA types.
/** (NON-STORAGE) means an identifier just generates a constant,
/** but will have an array location - which is never accessed.

/**
/** xxx_HIGH identifiers MUST immediately follow the xxx_LOW identifiers!!!
/**

/** IDATA OFFSETS FOLLOW

        #MARK0 = 0;

CONSTANT (
        "FDL_FILL",
        "FINAL_DESIGN"          /** (NON-STORAGE)
        "FIRST_SCRIPT",
        "WRITE_PLOT"            /** (NON-STORAGE)
        "Y_HIGH",
        "Y_LOW",
        "Y_INCR"

        ) EQUALS #MARK0
        INCREMENT 1
        PREFIX "EDFS"
        COUNTER #MARK1;

/** BDATA OFFSETS FOLLOW

CONSTANT (
        "DUMMY"

        ) EQUALS #MARK1+1
        INCREMENT 1
        PREFIX "EDFS"
        COUNTER #MARK2;

/** RDATA OFFSETS FOLLOW

CONSTANT (
        "ADDED_FILL",
        "LOAD_FILL"

        ) EQUALS #MARK2+1
        INCREMENT 1
        PREFIX "EDFS"
        COUNTER #MARK3;
```

```
/** SDATA OFFSETS FOLLOW
```

```
CONSTANT      (  
    'PLACE HOLDER'  
    ) EQUALS #MARK3+1  
    INCREMENT 1  
    PREFIX 'EDFS'  
    COUNTER #MARK4;
```

```
/** QTAB equivalent offsets that correspond to actual questions
```

```
/** They should be ordered SDATA, RDATA, BDATA, IDATA types
```

```
/** SDATA OFFSETS FOLLOW
```

```
CONSTANT      (  
    'DATA_FILE_NAME',  
    'FDL_TITLE',  
    'KEY_NAME',  
    'ANALYSIS',  
    'OUTPUT'  
    ) EQUALS #MARK4+1  
    INCREMENT 1  
    PREFIX 'EDFS'  
    COUNTER #MARK5;
```

```
/** RDATA OFFSETS FOLLOW
```

```
CONSTANT      (  
    'DATA_KEY_COMP',  
    'DATA_RECORD_COMP',  
    'INDEX_RECORD_COMP',  
    ) EQUALS #MARK5+1  
    INCREMENT 1  
    PREFIX 'EDFS'  
    COUNTER #MARK6;
```

```
/** BDATA OFFSETS FOLLOW
```

```
CONSTANT      (  
    'KEY_COMP_WANTED',  
    'REC_COMP_WANTED',  
    'IDX_COMP_WANTED',  
    'ASCENDING_ADDED',  
    'ASCENDING_LOAD',  
    'BLOCK_SPAN',  
    'CONFIRM',  
    'SEGMENTED',  
    'GLOBAL_WANTED',  
    )  
    /** FUNCTION
```

```
'KEY_CHANGES',
'KEY_DIST',
'KEY_DUPS',
'RETURN'
```

/** FUNCTION

```
) EQUALS #MARK6+1
INCREMENT 1
PREFIX 'EDFS'
COUNTER #MARK7;
```

/** IDATA OFFSETS FOLLOW

CONSTANT

```
(
'CLUSTER_SIZE',
'ACTIVE_KEY',
'ADDED_COUNT',
'ADDED_COUNT_LOW',
'ADDED_COUNT_HIGH',
'BLOCKS_IN_BUCKET',
'BUCKET_WEIGHT',
'CARR_CTRL',
'CONTROL_SIZE',
'CURRENT_FUNCTION',
'DESIGN_CYCLE',
'DESIRED_FILL',
'FILL_LOW',
'FILL_HIGH',
'GLOBAL_COUNT',
'GRANULARITY',
'INITIAL_COUNT',
'INITIAL_COUNT_LOW',
'INITIAL_COUNT_HIGH',
'KEY_POSITION',
'KEY_LOW',
'KEY_HIGH',
'KEY_SIZE',
'KEY_TYPE',
'LOAD_METHOD',
'MAX_RECORD_SIZE',
'MEAN_RECORD_SIZE',
'NUMBER_DUPS',
'NUMBER_KEYS',
'NUMBER_RECORDS',
'PROLOGUE_VERSION',
'PROMPTING',
'RECORD_FORMAT',
'RESPONSES',
'SCRIPT_OPTION',
'SET_FUNCTION',
'SIZE_LOW',
'SIZE_HIGH',
'SURFACE_OPTION',
'TEST_PRIMARY',
'TEST_SECONDARY',
'TEST_SECONDARY_VALUE'
```

/** QUALIFIER TYPE

/** QUALIFIER TYPE

/** SYNONYM FOR INITIAL COUNT

/** QUALIFIER TYPE

```
) EQUALS #MARK7+1  
INCREMENT 1  
PREFIX 'EDFS'  
COUNTER #MARK8;
```

/** Array boundaries definitions

```
CONSTANT      'EDFSK_SDATASTART'    EQUALS #MARK3+1;  
CONSTANT      'EDFSK_SDATAEND'      EQUALS #MARK5;  
  
CONSTANT      'EDFSK_RDATASTART'    EQUALS #MARK2+1;  
CONSTANT      'EDFSK_RDATAEND'      EQUALS #MARK6;  
  
CONSTANT      'EDFSK_BDATASTART'    EQUALS #MARK1+1;  
CONSTANT      'EDFSK_BDATAEND'      EQUALS #MARK7;  
  
CONSTANT      'EDFSK_IDATASTART'    EQUALS #MARK0;  
CONSTANT      'EDFSK_IDATAEND'      EQUALS #MARK8;  
  
CONSTANT      'EDFSK_VDATASTART'    EQUALS #MARK4+1;  
CONSTANT      'EDFSK_VDATAEND'      EQUALS #MARK8;  
  
CONSTANT      'EDFSK_QTABSTART'     EQUALS #MARK4+1;  
CONSTANT      'EDFSK_QTABEND'       EQUALS #MARK8;
```

/** Insert_object collison-action definitions

```
CONSTANT      (  
              'REPLACE_OBJ',  
              'IGNORE_OBJ',  
              'AFTER_OBJ'  
  
              ) EQUALS 0  
              INCREMENT 1  
              PREFIX '';
```

/** Where definitions

```
CONSTANT      (  
              'IF_FULL_PROMPT',  
              'LOWER_AREA',  
              'PAUSE',  
              'SCREEN'  
  
              ) EQUALS 0  
              INCREMENT 1  
              PREFIX '';
```

/** Bucket-weight definitions

```
CONSTANT      (  
              'SMALLER_BUFFERS',
```

```
"FLATTER_FILES"  
) EQUALS 0  
INCREMENT 1  
PREFIX 'EDFS';
```

```
/** Load-method definitions
```

```
CONSTANT (  
    "FAST_CONVERT",  
    "NOFAST_CONVERT",  
    "RMS_PUTS"  
  
    ) EQUALS 0  
    INCREMENT 1  
    PREFIX 'EDFS';
```

```
/** Surface-option definitions
```

```
CONSTANT (  
    "FILL_SURFACE",  
    "SIZE_SURFACE",  
    "INIT_SURFACE",  
    "ADDED_SURFACE",  
    "KEY_SURFACE",  
    "LINE_SURFACE"  
  
    ) EQUALS 0  
    INCREMENT 1  
    PREFIX 'EDFS';
```

```
/** Current-function definitions
```

```
CONSTANT (  
    "ADD",  
    "DELETE",  
    "EXIT",  
    "HELP",  
    "INVOKÉ",  
    "MODIFY",  
    "QUIT",  
    "SET",  
    "VIEW"  
  
    ) EQUALS 0  
    INCREMENT 1  
    PREFIX 'EDFS';
```

```
/** Set_function definition
```

```
CONSTANT (  
    "SET_ANALYSIS",
```



```
"SET_DISPLAY"  
"SET_EMPHASIS"  
"SET_GRANULARITY"  
"SET_NUMBER_KEYS"  
"SET_OUTPUT"  
"SET_PROMPTING"  
"SET_RESPONSES"  
"SET_SCRIPT"  
"SET_TEMPLATÉ"
```

```
) EQUALS 0  
INCREMENT 1  
PREFIX 'EDFS':
```

/** Responses definitions

```
CONSTANT (  
    "AUTO",  
    "MAN"  
  
    ) EQUALS 0  
    INCREMENT 1  
    PREFIX 'EDFS':
```

/** Prompting definitions

```
CONSTANT (  
    "FULL",  
    "BRIEF"  
  
    ) EQUALS 0  
    INCREMENT 1  
    PREFIX 'EDFS':
```

/** Granularity definitions

```
CONSTANT (  
    "ONE",  
    "TWO",  
    "THREÉ",  
    "FOUR",  
    "DOUBLÉ"  
  
    ) EQUALS 0  
    INCREMENT 1  
    PREFIX 'EDFS':
```

/** Script-option definitions

```
CONSTANT (  
    "ADD_KEY_FDL",  
    "DELETE_KEY_FDL",
```

```

"IDX_DESIGN_FDL",
"REL_DESIGN_FDL",
"SEQ_DESIGN_FDL",
"OPTIMIZE_FDL",
"REDESIGN_FDL",
"ZERO_SCRIPT"

```

```

) EQUALS 0
INCREMENT 1
PREFIX 'EDFS':

```

/** Yes-No definitions

```

CONSTANT (
  'NO',
  'YES'
) EQUALS 0
INCREMENT 1
PREFIX 'EDFS':

```

/** Answer-class definitions

```

CONSTANT (
  'STRING_ANSWER',
  'REAL_ANSWER',
  'BOOLEAN_ANSWER',
  'INTEGER_ANSWER',
  'KEYWORD_ANSWER',
  'NO_ANSWER',
  'OBJECT_ANSWER'
) EQUALS 0
INCREMENT 1
PREFIX 'TAG ':

```

/** Equivalences for Design-cycle definitions

```

CONSTANT 'EDFSK_RS' EQUALS 'EDFSK_MEAN_RECORD_SIZE';
CONSTANT 'EDFSK_KL' EQUALS 'EDFSK_KEY_SIZE';
CONSTANT 'EDFSK_KP' EQUALS 'EDFSK_KEY_POSITION';
CONSTANT 'EDFSK_IL' EQUALS 'EDFSK_INITIAL_COUNT';
CONSTANT 'EDFSK_BF' EQUALS 'EDFSK_DESIRED_FILL';
CONSTANT 'EDFSK_EM' EQUALS 'EDFSK_BUCKET_WEIGHT';
CONSTANT 'EDFSK_RF' EQUALS 'EDFSK_RECORD_FORMAT';
CONSTANT 'EDFSK_RC' EQUALS 'EDFSK_DATA_RECORD_COMP';
CONSTANT 'EDFSK_KC' EQUALS 'EDFSK_DATA_KEY_COMP';
CONSTANT 'EDFSK_DK' EQUALS 'EDFSK_KEY_DUPS';
CONSTANT 'EDFSK_LM' EQUALS 'EDFSK_LOAD_METHOD';
CONSTANT 'EDFSK_AR' EQUALS 'EDFSK_ADDED_COUNT';
CONSTANT 'EDFSK_IC' EQUALS 'EDFSK_INDEX_RECORD_COMP';
CONSTANT 'EDFSK_WP' EQUALS 'EDFSK_WRITE_PLOT';
CONSTANT 'EDFSK_FINIS' EQUALS 'EDFSK_FINAL_DESIGN';
CONSTANT 'EDFSK_PV' EQUALS 'EDFSK_PROLOGUE_VERSION';

```

```
CONSTANT      'EDFSK_KT'          EQUALS 'EDFSK_KEY_TYPE';

/*  The following are used to interface to the EDFSGRAPH routine.
/*
CONSTANT (
    LINE
    : SRF_INCREASING
    : SRF_DECREASING
    ) EQUALS 0 INCREMENT 1 PREFIX 'EDFS' TAG 'C';

CONSTANT (
    BACKGROUND_COLOR
    : DARK_RED
    : MEDIUM_YELLOW
    : LIGHT_GREEN
    ) EQUALS 0 INCREMENT 1 PREFIX 'EDFS' TAG 'C';

END_MODULE EDFSTRUCT;
```

