


```

CCCCCCCC  DDDDDDDD  DDDDDDDD  TTTTTTTTTT  YY  YY  PPPPPPPP  EEEEEEEEEE
CCCCCCCC  DDDDDDDD  DDDDDDDD  TTTTTTTTTT  YY  YY  PPPPPPPP  EEEEEEEEEE
CC         DD      DD      DD      DD      TT      YY  YY  PP      PP  EE
CC         DD      DD      DD      DD      TT      YY  YY  PP      PP  EE
CC         DD      DD      DD      DD      TT      YY  YY  PP      PP  EE
CC         DD      DD      DD      DD      TT      YY  YY  PP      PP  EE
CC         DD      DD      DD      DD      TT      YY  YY  PP      PP  EE
CC         DD      DD      DD      DD      TT      YY  YY  PP      PP  EE
CC         DD      DD      DD      DD      TT      YY  YY  PP      PP  EE
CC         DD      DD      DD      DD      TT      YY  YY  PP      PP  EE
CC         DD      DD      DD      DD      TT      YY  YY  PP      PP  EE
CCCCCCCC  DDDDDDDD  DDDDDDDD  TTT      YY  YY  PPPPPPPP  EEEEEEEEEE
CCCCCCCC  DDDDDDDD  DDDDDDDD  TTT      YY  YY  PPPPPPPP  EEEEEEEEEE

```

```

RRRRRRRR  333333  222222
RRRRRRRR  333333  222222
RR      RR  33      33  22      22
RR      RR  33      33  22      22
RR      RR  33      33  22      22
RRRRRRRR  33      22
RRRRRRRR  33      22
RR      RR  33      22
RR      RR  33      22
RR      RR  33      22
RR      RR  33      22
RR      RR  333333  2222222222
RR      RR  333333  2222222222

```

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Version: 'V04-000'

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++
TITLE: CDD$TYPE          CDD Bit Value Definitions Require File

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FACILITY: Common Data Dictionary

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ABSTRACT:
    This module is a BLISS-32 REQUIRE FILE that defines the
    bit values needed to call the program interface.

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ENVIRONMENT:
    All routines run in any access mode.
    These routines are NOT AST reentrant.

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AUTHOR: Jeff East, 11-Nov-80

```

MODIFIED BY:
    <no modifications yet>

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ZSBTTL 'Security Masks'

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SECURITY MASKS

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CDD security bits

LITERAL

CDD\$K_PROT_C	= 1^1 - 1^0,	! CONTROL access
CDD\$K_PROT_D	= 1^2 - 1^1,	! LOCAL DELETE access
CDD\$K_PROT_G	= 1^3 - 1^2,	! GLOBAL DELETE access
CDD\$K_PROT_H	= 1^4 - 1^3,	! HISTORY list entry creation access
CDD\$K_PROT_P	= 1^5 - 1^4,	! PASS THRU access
CDD\$K_PROT_S	= 1^6 - 1^5,	! SEE (read) access
CDD\$K_PROT_U	= 1^7 - 1^6,	! UPDATE terminal node access
CDD\$K_PROT_X	= 1^8 - 1^7,	! EXTEND directory node access
CDD\$K_PROT_F	= 1^9 - 1^8,	! FORWARDing directory node creation

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Other processor security bits

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VAX-11 Datatrieve

CDD\$K_DTR_PROT_E	= 1^17 - 1^16,	! EXTEND file
CDD\$K_DTR_PROT_R	= 1^18 - 1^17,	! READ file
CDD\$K_DTR_PROT_M	= 1^19 - 1^18,	! MODIFY file
CDD\$K_DTR_PROT_W	= 1^20 - 1^19,	! WRITE file

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%SBTTL      'User Literal Definitions'

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      USER LITERAL DEFINITIONS

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      These symbols are needed by users of the program interface.

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      System Defined Attribute Names

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LITERAL
CDD$K_SYSNAM_FLAGS = 1^28 OR 1^27 OR 0^16; ! Global/System-defined/Protocol=0

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LITERAL
CDD$K_FIRST_SYSNAM = 1 OR CDD$K_SYSNAM_FLAGS,      ! Lowest system defined attribute name value
CDD$K_FILE         = 1 OR CDD$K_SYSNAM_FLAGS,      ! Node's file name
CDD$K_HISTORY      = 2 OR CDD$K_SYSNAM_FLAGS,      ! History list head
CDD$K_NAME         = 3 OR CDD$K_SYSNAM_FLAGS,      ! Node's name
CDD$K_PROTOCOL     = 5 OR CDD$K_SYSNAM_FLAGS,      ! Node's protocol name
CDD$K_TYPE         = 6 OR CDD$K_SYSNAM_FLAGS,      ! Type of object pointed to by location code
CDD$K_PATHNAME     = 7 OR CDD$K_SYSNAM_FLAGS,      ! Node's complete pathname
CDD$K_SHORT_PATHNAME = 8 OR CDD$K_SYSNAM_FLAGS,    ! Node's short pathname
CDD$K_LAST_SYSNAM  = 8 OR CDD$K_SYSNAM_FLAGS;      ! Highest system defined attribute name value

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      Attribute and Entity Types

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LITERAL
CDD$K_ENTITY       = 1,
CDD$K_ENTITY_LIST  = 2,
CDD$K_NULL         = 3,
CDD$K_NUMERIC      = 4,
CDD$K_STRING       = 5,
CDD$K_STRING_LIST  = 6,
CDD$K_DIRECTORY    = 7,
CDD$K_TERMINAL     = 8;

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      User's entity purge options

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LITERAL
CDD$K_ALL          = 1^1 - 1^0,
CDD$K_ABORT        = 1^2 - 1^1,
CDD$K_CHECKPOINT   = 1^3 - 1^2;

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      User's node creation options

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LITERAL
CDD\$K_NOHISTORY = 1^1 - 1^0, ! Doesn't want history list cluster
CDD\$K_NOACL = 1^2 - 1^1; ! Prevent default ACL entry

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User's node deletion options

LITERAL
CDD\$K_CHECK = 1^1 - 1^0, ! Fail if directory has children
CDD\$K_SUBDICTIONARY = 1^2 - 1^1; ! Delete contents of subdictionaries

