

CCCCCCCCCCCC	DDDDDDDDDDDD	DDDDDDDDDDDD		
CCCCCCCCCCCC	DDDDDDDDDDDD	DDDDDDDDDDDD		
CCCCCCCCCCCC	DDDDDDDDDDDD	DDDDDDDDDDDD		
CCC	DDD	DDD	DDD	DDD
CCC	DDD	DDD	DDD	DDD
CCC	DDD	DDD	DDD	DDD
CCC	DDD	DDD	DDD	DDD
CCC	DDD	DDD	DDD	DDD
CCC	DDD	DDD	DDD	DDD
CCC	DDD	DDD	DDD	DDD
CCC	DDD	DDD	DDD	DDD
CCC	DDD	DDD	DDD	DDD
CCC	DDD	DDD	DDD	DDD
CCC	DDD	DDD	DDD	DDD
CCC	DDD	DDD	DDD	DDD
CCC	DDD	DDD	DDD	DDD
CCC	DDD	DDD	DDD	DDD
CCC	DDD	DDD	DDD	DDD
CCC	DDD	DDD	DDD	DDD
CCC	DDD	DDD	DDD	DDD
CCC	DDD	DDD	DDD	DDD
CCCCCCCCCCCC	DDDDDDDDDDDD	DDDDDDDDDDDD		
CCCCCCCCCCCC	DDDDDDDDDDDD	DDDDDDDDDDDD		
CCCCCCCCCCCC	DDDDDDDDDDDD	DDDDDDDDDDDD		

```

CCCCCCCC DDDDDDDD DDDDDDDD TTTTTTTTTT YY YY PPPPPPPP DDDDDDDD EEEEEEEEEE FFFFFFFFFF
CCCCCCCC DDDDDDDD DDDDDDDD TTTTTTTTTT YY YY PPPPPPPP DDDDDDDD EEEEEEEEEE FFFFFFFFFF
CC DD DD DD TT YY YY PPPPPPPP DD DD EE FF
CC DD DD DD TT YY YY PP PP PP DD DD EE FF
CC DD DD DD TT YY YY PP PP PP DD DD EE FF
CC DD DD DD TT YY YY PP PP PP DD DD EE FF
CC DD DD DD TT YY YY PP PP PP DD DD EE FF
CC DD DD DD TT YY YY PP PP PP DD DD EE FF
CC DD DD DD TT YY YY PP PP PP DD DD EE FF
CC DD DD DD TT YY YY PP PP PP DD DD EE FF
CCCCCCCC DDDDDDDD DDDDDDDD TTTTTTTTTT YY YY PPPPPPPP DDDDDDDD EEEEEEEEEE FFFFFFFFFF
CCCCCCCC DDDDDDDD DDDDDDDD TTTTTTTTTT YY YY PP PP PP DD DD EE FF

```

```

LL IIIIII SSSSSSSS
LL IIIIII SSSSSSSS
LL II SS
LL II SS
LL II SS
LL II SSSSSS
LL II SSSSSS
LL II SS
LL II SS
LL II SS
LLLLLLLLLL IIIIII SSSSSSSS
LLLLLLLLLL IIIIII SSSSSSSS

```

```
1 0001 0 *****
2 0002 0 *
3 0003 0 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
4 0004 0 * DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS. *
5 0005 0 * ALL RIGHTS RESERVED. *
6 0006 0 *
7 0007 0 * THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED *
8 0008 0 * ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE *
9 0009 0 * INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER *
10 0010 0 * COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY *
11 0011 0 * OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY *
12 0012 0 * TRANSFERRED. *
13 0013 0 *
14 0014 0 * THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE *
15 0015 0 * AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT *
16 0016 0 * CORPORATION. *
17 0017 0 *
18 0018 0 * DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS *
19 0019 0 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL. *
20 0020 0 *
21 0021 0 *
22 0022 0 *****
23 0023 0
24 0024 0 ++
25 0025 0
26 0026 0 TITLE: CDD$TYPE CDD Bit Value Definitions
27 0027 0
28 0028 0 VERSION: 'V04-000'
29 0029 0
30 0030 0 FACILITY: Common Data Dictionary
31 0031 0
32 0032 0 ABSTRACT:
33 0033 0
34 0034 0 This module defines the interesting bit values for use in
35 0035 0 the user interface.
36 0036 0
37 0037 0 ENVIRONMENT:
38 0038 0
39 0039 0 All routines run in any access mode.
40 0040 0
41 0041 0 These routines are NOT AST reentrant.
42 0042 0
43 0043 0 AUTHOR: Jeff East, 14-Aug-80
44 0044 0
45 0045 0 MODIFIED BY:
46 0046 0
47 0047 0 <no modifications yet>
48 0048 0
49 0049 0 --
50 0050 0 %TITLE 'CDD Bit Value Definitions'
```

CDD\$TYPE
V03-000

CDD Bit Value Definitions

C 5
15-Sep-1984 23:38:22
14-Sep-1984 11:58:14

VAX-11 Bliss-32 V4.0-742
[CDD.SRC]CDDTYPDEF.B32;1

```
: 52 0051 0 MODULE CDD$TYPE (IDENT='V03-000',
: 53 0052 0 ADDRESSING_MODE(EXTERNAL=GENERAL)) =
: 54 0053 1 BEGIN
: 55 0054 1 PSECT
: 56 0055 1 CODE = CDD CODE (READ, NOWRITE, EXECUTE, SHARE, PIC,
: 57 0056 1 CONCATENATE, ADDRESSING_MODE (WORD_RELATIVE)),
: 58 0057 1 PLIT = CDD CODE (READ, NOWRITE, EXECUTE, SHARE, PIC,
: 59 0058 1 CONCATENATE, ADDRESSING_MODE (WORD_RELATIVE)),
: 60 0059 1 OWN = CDD DATA (READ, WRITE, NOEXECUTE, NOSHARE, PIC,
: 61 0060 1 CONCATENATE, ADDRESSING_MODE (LONG_RELATIVE)),
: 62 0061 1 GLOBAL = CDD DATA (READ, WRITE, NOEXECUTE, NOSHARE, PIC,
: 63 0062 1 CONCATENATE, ADDRESSING_MODE (LONG_RELATIVE));
: 64 0063 1
: 65 0064 1 LIBRARY 'SYSS$LIBRARY:STARLET';
: 66 0065 1 LIBRARY 'CDDLIB';
```

```
.. 68      0066 1   %SBTTL      'Macro Definitions'  
.. 69      0067 1   |++  
.. 70      0068 1   |  
.. 71      0069 1   |       MACRO DEFINITIONS  
.. 72      0070 1   |  
.. 73      0071 1   |--  
.. 74      0072 1   |  
.. 75      0073 1   |++  
.. 76      0074 1   |       $GLOBAL (name)  
.. 77      0075 1   |  
.. 78      0076 1   |       This macro takes a local definition and makes it a global  
.. 79      0077 1   |       definition.  
.. 80      0078 1   |--  
.. 81      0079 1   |  
.. 82      0080 1   COMPILETIME  
.. 83      0081 1   SEQUENCE = 1;  
.. 84      0082 1   |  
.. 85      0083 1   MACRO  
.. 86      M 0084 1   $GLOBAL (name) =  
.. 87      M 0085 1   BIND  
.. 88      M 0086 1   %NAME ('X', %NUMBER(SEQUENCE)) = name;  
.. 89      M 0087 1   |  
.. 90      M 0088 1   UNDECLARE  
.. 91      M 0089 1   name;  
.. 92      M 0090 1   |  
.. 93      M 0091 1   GLOBAL LITERAL  
.. 94      M 0092 1   name = %NAME ('X', %NUMBER(SEQUENCE));  
.. 95      M 0093 1   |  
.. 96      M 0094 1   %ASSIGN (SEQUENCE, SEQUENCE+1);  
.. 97      0095 1   %;
```

```

: 99      0096 1   %SBTTL      'Security Masks'
: 100     0097 1   :++
: 101     0098 1   SECURITY MASKS
: 102     0099 1   :--
: 103     0100 1   :
: 104     0101 1   :+
: 105     0102 1   CDD security bits
: 106     0103 1   :-
: 107     0104 1   :
: 108     0105 1   $GLOBAL (CDD$K_PROT_C)  : CONTROL access
: 109     0106 1   $GLOBAL (CDD$K_PROT_D)  : LOCAL DELETE access
: 110     0107 1   $GLOBAL (CDD$K_PROT_G)  : GLOBAL DELETE access
: 111     0108 1   $GLOBAL (CDD$K_PROT_H)  : HISTORY list entry creation access
: 112     0109 1   $GLOBAL (CDD$K_PROT_P)  : PASS THRU access
: 113     0110 1   $GLOBAL (CDD$K_PROT_S)  : SEE (read) access
: 114     0111 1   $GLOBAL (CDD$K_PROT_U)  : UPDATE terminal node access
: 115     0112 1   $GLOBAL (CDD$K_PROT_X)  : EXTEND directory node access
: 116     0113 1   $GLOBAL (CDD$K_PROT_F)  : FORWARDing directory creation
: 117     0114 1   :
: 118     0115 1   :+
: 119     0116 1   Macro-security values
: 120     0117 1   :-
: 121     0118 1   :
: 122     0119 1   $GLOBAL (CDD$K_PROT_ANY)
: 123     0120 1   $GLOBAL (CDD$K_PROT_DELETE)
: 124     0121 1   $GLOBAL (CDD$K_PROT_EXTEND)
: 125     0122 1   $GLOBAL (CDD$K_PROT_UPDATE)
: 126     0123 1   :
: 127     0124 1   :+
: 128     0125 1   Other processor security bits
: 129     0126 1   :-
: 130     0127 1   :
: 131     0128 1   :+
: 132     0129 1   VAX-11 Datatrieve
: 133     0130 1   :-
: 134     0131 1   :
: 135     0132 1   $GLOBAL (CDD$K_DTR_PROT_E) : EXTEND file
: 136     0133 1   $GLOBAL (CDD$K_DTR_PROT_R) : READ file
: 137     0134 1   $GLOBAL (CDD$K_DTR_PROT_M) : MODIFY file
: 138     0135 1   $GLOBAL (CDD$K_DTR_PROT_W) : WRITE file

```

```
140 0136 1  XSBTTL      'User Literal Definitions'
141 0137 1  !+
142 0138 1  !-
143 0139 1  USER LITERAL DEFINITIONS
144 0140 1  !-
145 0141 1  !-
146 0142 1  These symbols are needed by users of the program interface.
147 0143 1  !-
148 0144 1  !-
149 0145 1  !-
150 0146 1  !+
151 0147 1  System Defined Attribute Names
152 0148 1  !-
153 0149 1  !-
154 0150 1  $GLOBAL (CDD$K_SYSNAM_FLAGS)      ! Global/System-defined/Protocol=0
155 0151 1  !-
156 0152 1  $GLOBAL (CDD$K_FIRST_SYSNAM)     ! Lowest system defined attribute name value
157 0153 1  $GLOBAL (CDD$K_FILE)             ! Node's file name
158 0154 1  $GLOBAL (CDD$K_HISTORY)          ! History list head
159 0155 1  $GLOBAL (CDD$K_NAME)            ! Node's name
160 0156 1  $GLOBAL (CDD$K_PROTOCOL)       ! Node's protocol name
161 0157 1  $GLOBAL (CDD$K_TYPE)         ! Type of object pointed to by location code
162 0158 1  $GLOBAL (CDD$K_PATHNAME)      ! Node's complete pathname
163 0159 1  $GLOBAL (CDD$K_SHORT_PATHNAME) ! Node's short pathname to default directory
164 0160 1  $GLOBAL (CDD$K_ORDER)        ! Directory's order
165 0161 1  $GLOBAL (CDD$K_LAST_SYSNAM)   ! Highest system defined attribute name value
166 0162 1  !-
167 0163 1  !-
168 0164 1  !+
169 0165 1  Attribute and Entity Types
170 0166 1  !-
171 0167 1  !-
172 0168 1  $GLOBAL (CDD$K_ENTITY)
173 0169 1  $GLOBAL (CDD$K_ENTITY_LIST)
174 0170 1  $GLOBAL (CDD$K_NULL)
175 0171 1  $GLOBAL (CDD$K_NUMERIC)
176 0172 1  $GLOBAL (CDD$K_STRING)
177 0173 1  $GLOBAL (CDD$K_STRING_LIST)
178 0174 1  $GLOBAL (CDD$K_DIRECTORY)
179 0175 1  $GLOBAL (CDD$K_TERMINAL)
180 0176 1  !-
181 0177 1  !-
182 0178 1  !+
183 0179 1  User's entity purge options
184 0180 1  !-
185 0181 1  !-
186 0182 1  $GLOBAL (CDD$K_ALL)
187 0183 1  $GLOBAL (CDD$K_ABORT)
188 0184 1  $GLOBAL (CDD$K_CHECKPOINT)
189 0185 1  !-
190 0186 1  !-
191 0187 1  !+
192 0188 1  User's node creation options
193 0189 1  !-
194 0190 1  !-
195 0191 1  $GLOBAL (CDD$K_NOHISTORY)      ! Doesn't want history list cluster
196 0192 1  $GLOBAL (CDD$K_NOACL)        ! Prevent default ACL entry
```

```

: 197 0193 1 $GLOBAL (CDD$K_FIRST) : Insert as first node
: 198 0194 1 $GLOBAL (CDD$K_LAST) : Insert as last node
: 199 0195 1
: 200 0196 1
: 201 0197 1 !+
: 202 0198 1 !- User's node deletion options
: 203 0199 1 !-
: 204 0200 1
: 205 0201 1 $GLOBAL (CDD$K_CHECK) : Fail if directory has children
: 206 0202 1 $GLOBAL (CDD$K_SUBDICTIONARY) : Delete contents of subdictionaries
: 207 0203 1
: 208 0204 1
: 209 0205 1 !+
: 210 0206 1 !- Values of the CDD$K_ORDER attribute
: 211 0207 1 !-
: 212 0208 1
: 213 0209 1 $GLOBAL (CDD$K_SORTED) : Directory is sorted
: 214 0210 1 $GLOBAL (CDD$K_NONSORTED) : Directory is not sorted
: 215 0211 1
: 216 0212 1
: 217 0213 1 END
: 218 0214 0 ELUDOM

```

.TITLE CDD\$TYPE CDD Bit Value Definitions
.IDENT \V03-000\

```

X1= 1
CDD$K_PROT_C== 1
X2= 2
CDD$K_PROT_D== 2
X3= 4
CDD$K_PROT_G== 4
X4= 8
CDD$K_PROT_H== 8
X5= 16
CDD$K_PROT_P== 16
X6= 32
CDD$K_PROT_S== 32
X7= 64
CDD$K_PROT_U== 64
X8= 128
CDD$K_PROT_X== 128
X9= 256
CDD$K_PROT_F== 256
X10= 511
CDD$K_PROT_ANY== 511
X11= 6
CDD$K_PROT_DELETE== 6
X12= 384
CDD$K_PROT_EXTEND== 384
X13= 463
CDD$K_PROT_UPDATE== 463
X14= 65536
CDD$K_DTR_PROT_E== 65536
X15= 131072
CDD$K_DTR_PROT_R== 131072

```


X16=	262144
CDD\$K_DTR_PROT_M==	262144
X17=	524288
CDD\$K_DTR_PROT_W==	524288
X18=	402653184
CDD\$K_SYSNAM_FLAGS==	402653184
X19=	402653185
CDD\$K_FIRST_SYSNAM==	402653185
X20=	402653185
CDD\$K_FILE==	402653185
X21=	402653186
CDD\$K_HISTORY==	402653186
X22=	402653187
CDD\$K_NAME==	402653187
X23=	402653189
CDD\$K_PROTOCOL==	402653189
X24=	402653190
CDD\$K_TYPE==	402653190
X25=	402653191
CDD\$K_PATHNAME==	402653191
X26=	402653192
CDD\$K_SHORT_PATHNAME==	402653192
X27=	402653193
CDD\$K_ORDER==	402653193
X28=	402653193
CDD\$K_LAST_SYSNAM==	402653193
X29=	1
CDD\$K_ENTITY==	1
X30=	2
CDD\$K_ENTITY_LIST==	2
X31=	3
CDD\$K_NULL==	3
X32=	4
CDD\$K_NUMERIC==	4
X33=	5
CDD\$K_STRING==	5
X34=	6
CDD\$K_STRING_LIST==	6
X35=	7
CDD\$K_DIRECTORY==	7
X36=	8
CDD\$K_TERMINAL==	8
X37=	1
CDD\$K_ALL==	1
X38=	2
CDD\$K_ABORT==	2
X39=	4
CDD\$K_CHECKPOINT==	4
X40=	1
CDD\$K_NOHISTORY==	1
X41=	2
CDD\$K_NOACL==	2
X42=	8
CDD\$K_FIRST==	8
X43=	16
CDD\$K_LAST==	16

X44= 1
CDD\$K_CHECK== 1
X45= 2
CDD\$K_SUBDICTIONARY== 2
X46= 1
CDD\$K_SORTED== 1
X47= 2
CDD\$K_NONSORTED== 2

PSECT SUMMARY

Name	Bytes	Attributes
. ABS .	0	NOVEC,NOWRT,NORD ,NOEXE,NOSHR, LCL, ABS, CON,NOPIC,ALIGN(0)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	0	0	581	00:00.8
_\$255\$DUA28:[CDD.OBJ]CDDLIB.L32;1	664	47	7	53	00:00.3

COMMAND QUALIFIERS

```

:
: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS$:CDDTYPDEF/OBJ=OBJ$:CDDTYPDEF MSRC$:CDDTYPDEF/UPDATE=(ENH$:CDDTYPDEF)
:
: Size: 0 code + 0 data bytes
: Run Time: 00:03.8
: Elapsed Time: 00:20.4
: Lines/CPU Min: 3396
: Lexemes/CPU-Min: 45333
: Memory Used: 49 pages
: Compilation Complete

```

GENRAL REQ R32	EXTCAL LIS
CLISDEF R32	GENCODE4 LIS
CDUMSGS LIS	GENCODE1 LIS
CDU	GENCODE2 LIS
CDU MAP	GENCODE3 LIS
CDUREQ R32	GENCODE2 LIS
CDU PDEF LIS	