Copyright © 1991 by the
Institute of Electrical and Electronics Engineers, Inc.
345 East 47th Street
New York, NY 10017, USA
All rights reserved as an unpublished work.

This is an unapproved and unpublished IEEE Standards Draft, subject to change. The publication, distribution, or copying of this draft, as well as all derivative works based on this draft, is expressly prohibited except as set forth below.

Permission is hereby granted for IEEE Standards Committee participants to reproduce this document for purposes of IEEE standardization activities only, and subject to the restrictions contained herein.

Permission is hereby also granted for member bodies and technical committees of ISO and IEC to reproduce this document for purposes of developing a national position, subject to the restrictions contained herein.

Permission is hereby also granted to the preceding entities to make limited copies of this document in an electronic form only for the stated activities.

The following restrictions apply to reproducing or transmitting the document in any form: 1) all copies or portions thereof must identify the document's IEEE project number and draft number, and must be accompanied by this entire notice in a prominent location; 2) no portion of this document may be redistributed in any modified or abridged form without the prior approval of the IEEE Standards Department.

Other entities seeking permission to reproduce this document, or any portion thereof, for standardization or other activities, must contact the IEEE Standards Department for the appropriate license.

Use of information contained in this unapproved draft is at your own risk.

IEEE Standards Department
Copyright and Permissions
445 Hoes Lane, P.O. Box 1331
Piscataway, NJ 08855-1331, USA
+1 (908) 562-3800
+1 (908) 562-1571 [FAX]

Annex B
(norm ative)

Revisions to C Language Bindings Option

Editor's Note: This annex is new for Draft 3. It is not further diff-marked.

B.2.5 Pathname Variable Values

⇒ **B.2.3 Pathname Variable Values.** *Add a new subclause, B.2.5, Pathname Variable Values, as follows:*

The macros in Table B-100 can be used by the application at execution time to determine which optional facilities relate to specific pathnames. A definition of one of the values from Table B-100 shall be omitted from `<limits.h>` on specific implementations where the corresponding value is equal to or greater than the stated minimum, but where the value can vary depending on the file to which it is applied. The actual value supported for a specific pathname shall be provided by the *pathconf* () function.

Table B-100 – C Pathname Variable Values

Name	Description
_POSIX 2_SYMLINKS	When referring to a directory. the system supports the creation of symbolic links within that directory; for nondirectory files, the meaning of {POSIX 2_SYMLINKS } is undefined.

⇒ **B.10.2 C Binding for Get Numeric-Valued Configurable Variables** *Add the following sentence to the end of the only paragraph in the subclause:*

In addition, the *pathconf* () and *fpathconf* () functions shall support the *name* values in Table B-101, defined in `<unistd.h>`, to provide values for variables in 2.13.3.

Copyright © 1992 IEEE. All rights reserved.
This is an unapproved IEEE Standards Draft, subject to change.

Table B-101 – C Bindings for Pathname Configurable Variables

Symbolic Limit	*name* Value
{POSIX2_SYMLINKS }	_SC_2_SYMLINKS

Copyright © 1992 IEEE. All rights reserved.
This is an unapproved IEEE Standards Draft, subject to change.

Alphabetic Topical Index

A

a-character
definition of ... 23
Additional FDF File Header Labels (HDR 39 and UHL ?) ... 41
Additional File Header Labels (HDR 39 UHL ?) ... 32
al-characters
definition of ... 23
alternate character set
definition of ... 23
ANSI X3.14 ... 1
ANSI X3.27 ... 42
appropriate privileges ... 25, 35, 53-54, 58-59
archive
definition of ... 23

B

B.10 ... 71
B.2 ... 71
BINARY ... 48
block
definition of ... 23
Block Count ... 31, 38, 40-41
Block Length ... 32, 41
Block or Character Special Files ... 36

C

C Binding for Get Numeric-Valued Configurable Variables ... 71
C Bindings for Pathname Configurable Variables ... 72
`cd` ... 9
— Change working directory ... 9
Character Set Identification ... 28
charmap file ... 19-20
`chgrp` ... 10-11
— Change file group ownership ... 10
Options. ... 10
chmod () ... 11
`chmod` ... 11
— Change file modes ... 11
Operands. ... 11
Options. ... 11
chown () ... 10-12, 42
`chown` ... 11-13
— Change file ownership ... 12
Options. ... 12
c_magic ... 54
conformance ... 2, 26, 49
Conformance ... 2
contiguous file ... 54-55, 60
`cp` ... 4, 13
— Copy files ... 13
Description. ... 13
C Pathname Variable Values ... 71
`cpio` ... 21, 49, 51, 54-55
Archive Entry ... 51
File Data ... 53
File Name ... 53-54
format ... 51
Header ... 51, 54
Special Entries ... 54
CPIO ... 42
Creating Hard Links ... 15
Creating Symbolic Links ... 15
Creation Date ... 30, 40

D

Definitions ... 23
`/dev` ... 60
Device Specification ... 36
Directories ... 36
directory ... 3, 5, 9-19, 33, 36, 39, 49-50, 52, 54, 58-62, 65, 71
directory entry ... 16, 62
document ... 1, 49, 54
`du` ... 4, 65
— Estimate file usage ... 65
Description. ... 65

Copyright © 1992 IEEE. All rights reserved.
This is an unapproved IEEE Standards Draft, subject to change.