

IEEE Standards Interpretations for IEEE Std 1003.1™-2001 IEEE Standard for Information Technology -- Portable Operating System Interface (POSIX®)

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Interpretation Request #1

Topic: Defect in XBD <sys/stat.h> **Relevant Sections:** <sys/stat.h>

Interpretation Request #2

Topic: interaction of file descriptors and I/O streams **Relevant Sections:** 2.5.1

Interpretation Request #3

Topic: Defect in XSH dlsym **Relevant Sections:** dlsym

Interpretation Request #5

Topic: Defect in XSH unlink **Relevant Sections:** unlink

Interpretation Request #6

Topic: Defect in XCU sed **Relevant Sections:** sed rfile

Interpretation Request #7

Topic: Defect in XSH fmax **Relevant Sections:** fmax NaN

Interpretation Request #8

Topic: Defect in XSH fmin **Relevant Sections:** fmin NaN

Interpretation Request #9

Topic: Defect in XSH pthread_attr_setstack **Relevant Sections:** pthread_attr_setstack margin code

Interpretation Request #10

Topic: Defect in XBD signal.h **Relevant Sections:** struct sigaction

Interpretation Request #11

Topic: Defect in XCU pax **Relevant Sections:** pax cpio symlinks

Interpretation Request #12

Topic: Defect in XCU yacc **Relevant Sections:** yacc token

Interpretation Request #13

Topic: Defect in XSH getaddrinfo **Relevant Sections:** EAI_OVERFLOW

Interpretation Request #14

Topic: Defect in XSH setlocale **Relevant Sections:** editorial error

Interpretation Request #15

Topic: Defect in XSH strtold/wcstold () **Relevant Sections:** exponent parts

Interpretation Request #17

Topic: locale -k (Rdvk finaltext/XCU ERN 1) **Relevant Sections:** XCU locale STDOUT

Interpretation Request #18

Topic: expr invalid_opearand **Relevant Sections:** expr STDOUT

Interpretation Request #20

Topic: c99 **Relevant Sections:** Output File

Interpretation Request #21

Topic: locale **Relevant Sections:** STDOUT

Interpretation Request #22

Topic: posix_fallocate on filesystems that do not support the feature **Relevant Sections:** posix_fallocate

Interpretation Request #23

Topic: feupdate raising saved exceptions **Relevant Sections:** feupdateenv()

Interpretation Request #24

Topic: negative len arguments **Relevant Sections:** posix_fadvise()

Interpretation Request #25

Topic: errors and fstat with file off_t **Relevant Sections:** f open

Interpretation Request #26

Topic: option constants **Relevant Sections:** unistd.h

Interpretation Request #27

Topic: utility extensions violating syntax Relevant Sections: XBD 12.2 Utility Syntax Guidelines

Interpretation Request #28

Topic: `spthread_cond_wait` deadlock situations Relevant Sections: XSH `pthread_cond_wait`

Interpretation Request #29

Topic: `popen` errors Relevant Sections: XSH `popen`

Interpretation Request #30

Topic: `sigpause` and use in threaded applications Relevant Sections: XSH `sigpause`

Interpretation Request #31

Topic: `exit` should not invoke cancellation cleanup handlers or per-thread data destructors Relevant Sections: XSH `exit`

Interpretation Request #33

Topic: `key_t` arithmetic type Relevant Sections: XBD `<sys/types.h>` `key_t`

Interpretation Request #34

Topic: `SIGPOLL` XSR option Relevant Sections: XBD `signal.h`

Interpretation Request #35

Topic: connected socket definition Relevant Sections: XBD Definitions

Interpretation Request #36

Topic: BRE nested subpatterns Relevant Sections: XBD 9.3.6

Interpretation Request #38

Topic: number expressions Relevant Sections: XCU `test/` shell arithmetic expansion

Interpretation Request #39

Topic: `pathchk -p`, Filename Portability Relevant Sections: XCU `pathchk`, XBD Global Concepts

Interpretation Request #40

Topic: `pathchk` DESCRIPTION Relevant Sections: XCU `pathchk`

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Topic: `trptime` leading zeroes Relevant Sections: XSH `strptime`

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Topic: `dbm_open` implementation of database files Relevant Sections: XSH `dbm_open`

Interpretation Request #43

Topic: freopen file descriptor allocation **Relevant Sections:** XSH freopen

Interpretation Request #45

Topic: aio_error() **Relevant Sections:** XSH aio_error()

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Topic: access X_OK **Relevant Sections:** XSH access

Interpretation Request #47

Topic: XBD 8.1 Environment Variable Defn **Relevant Sections:** XBD 8.1 Environment Variable Defn

Interpretation Request #49

Topic: XBD 7.3.1 LC_CTYPE **Relevant Sections:** XBD 7.3.1

Interpretation Request #50

Topic: XBD errno.h **Relevant Sections:** XBD errno.h

Interpretation Request #51

Topic: fgetc, fgetwc, fgets, fgetws, gets **Relevant Sections:** XSH fgetc, fgetwc, fgets, fgetws, gets

Interpretation Request #52

Topic: pthread_mutex_setprioceiling() EDEADLK **Relevant Sections:** XSH pthread_mutex_setprioceiling()

Interpretation Request #53

Topic: asctime() tm_year gt 9999 **Relevant Sections:** XBD errno.h

Interpretation Request #54

Topic: lockf() threads vs processes **Relevant Sections:** XSH lockf()

Interpretation Request #55

Topic: system() thread-safety, at_fork handlers **Relevant Sections:** XSH 2.9.1, system()

Interpretation Request #56

Topic: ftruncate errors **Relevant Sections:** XSH ftruncate

Interpretation Request #57

Topic: pthread_attr_getstackaddr, stackaddr attribute unset **Relevant Sections:** XSH pthread_attr_getstackaddr

Interpretation Request #58**Topic:** posix_memalign , alignment **Relevant Sections:** XSH posix_memalign**Interpretation Request #59****Topic:** readdir_r errors **Relevant Sections:** XSH readdir_r**Interpretation Request #60****Topic:** airtid() , flags usage **Relevant Sections:** XSH waitid()**Interpretation Request #61****Topic:** sched_setscheduler() **Relevant Sections:** XSH sched_setscheduler()**Interpretation Request #62****Topic:** getenv, static data overwritten **Relevant Sections:** XSH getenv**Interpretation Request #63****Topic:** pthread_self EINTR **Relevant Sections:** XSH pthread_self)**Interpretation Request #64****Topic:** sched.h, option shading **Relevant Sections:** 1XBD sched.h**Interpretation Request #65****Topic:** sigaction, SA_NODEFER **Relevant Sections:** XSH sigaction**Interpretation Request #66****Topic:** sem_open errors **Relevant Sections:** XSH sem_open**Interpretation Request #67****Topic:** pthread_exit(), funlockfile **Relevant Sections:** XSH pthread_exit()**Interpretation Request #68****Topic:** XSH 2.2.2 , SEEK_* namespace **Relevant Sections:** XSH 2.2.2**Interpretation Request #69****Topic:** pthread_setschedprio priority **Relevant Sections:** XSH pthread_setschedprio**Interpretation Request #70****Topic:** select() FD_SETSIZE **Relevant Sections:** select() FD_SETSIZE**Interpretation Request #71****Topic:** read, thread blocked on O_NONBLOCK **Relevant Sections:** XSH read**Interpretation Request #72****Topic:** strerror return value **Relevant Sections:** XSH strerror

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Topic: XSH 2.10.6 Socket Types, connect and sendto **Relevant Sections:** XXSH 2.10.6 Socket Types

Interpretation Request #74

Topic: makecontext() uc_link **Relevant Sections:** XSH makecontext()

Interpretation Request #76

Topic: rename, final component dot or dot-dot **Relevant Sections:** XSH rename

Interpretation Request #77

Topic: semaphore names, message queue names **Relevant Sections:** XSH sem_open, sem_unlink, mq_open, mq_unlink, shm_open

Interpretation Request #78

Topic: mmap page alignment conflict **Relevant Sections:** XSH mmap, mprotect, munmap, msync

Interpretation Request #79

Topic: mmap() shared synchronization primitive **Relevant Sections:** XSH mmap()</PRE>

Interpretation Request #80

Topic: fork() and aio control blocks **Relevant Sections:** XSH fork() (rdvk#1)

Interpretation Request #81

Topic: getgrnam_r return value **Relevant Sections:** XSH getgrnam_r

Interpretation Request #82

Topic: lio_listio() aio_sigevent **Relevant Sections:** XSH lio_listio()

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Topic: pthread_mutexattr_setprotocol PTHREAD_PRIO_PROTECT **Relevant Sections:** XSH pthread_mutexattr_setprotocol

Interpretation Request #84

Topic: sigaction SA_RESTART **Relevant Sections:** XSH sigaction

Interpretation Request #85

Topic: exit vs _exit **Relevant Sections:** XSH exit

Interpretation Request #86

Topic: pax -H and stdin **Relevant Sections:** XCU pax

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Interpretation Request #102**Topic:** dd seek extend **Relevant Sections:** XCU dd**Interpretation Request #103****Topic:** strip object files, archives, executables **Relevant Sections:** XCU strip**Interpretation Request #104****Topic:** nohup standard input **Relevant Sections:** XCU nohup**Interpretation Request #105****Topic:** nohup with standard output closed **Relevant Sections:** XCU nohup**Interpretation Request #106****Topic:** nohup OUTPUT FILES contradicts DESCRIPTION **Relevant Sections:** XCU nohup**Interpretation Request #107****Topic:** test XSI requirements **Relevant Sections:** XCU test**Interpretation Request #108****Topic:** man standard error **Relevant Sections:** XCU man**Interpretation Request #109****Topic:** pax and UTF-8 **Relevant Sections:** XCU pax