

IEEE Standards Interpretations for IEEE Std 1003.1c™-1995 IEEE Standard for Information Technology--Portable Operating System Interface (POSIX(R)) - System Application Program Interface (API) Amendment 2: Threads Extension (C Language)

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Interpretation Request #47

Topic: write and EPIPE **Relevant Clauses:** 6.4.2.4, page 156, line 323

The description of the EPIPE error return for the write function specifies, erroneously, that "A SIGPIPE signal shall also be sent to the process." The intent of the working group (which is captured in rationale page 385, line 1055) was that SIGPIPE, a signal directly related to the synchronous action of a specific thread, should be sent to the thread (that called write). Solution proposed by the submitter: Amend the sentence on page 156 to "A SIGPIPE signal shall also be sent to the thread."

Interpretation Response

The standard states that "A SIGPIPE signal shall also be sent to the process", however this is a defect in the standard and concerns have been raised about this which are being referred to the sponsor. The interpretation committee believes that the intent of the working and balloting groups was to require the SIGPIPE signal be sent to the thread and not the process.

Rationale for Interpretation

None.