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Subject: X3J11 Comments on IEEE 1003.1a/D12

Review of: ``Recirculation of IEEE Project 1003.1a/D12,
Standard for Information Technology -- Portable Operating
System Interface (POSIX) -- Part 1: System Application
Program Interface (API) [C Language] -- Amendment''

Please respond to me via E-mail if you have any further
questions.

Thank you for asking us to review your document. The
following are suggestions from various technical experts in
ANSI X3J11. Considering that the review period was very
short, X3J11 reserves the right to provide additional
comments on this document in the future.

@ General c 1

Problem:

Since many features are new to UNIX programmers, a simple
example showing common usage would be helpful (e.g.,
checkpointing, filename match).

Action:

Add examples. Every service that requires two or more
system calls to interact in a particular order (i.e., an
implicit state machine) should have an example. Calls like
"getpid()" could be excluded from the examples, but file
I/O, signals, regular expressions, and so on, would benefit
from examples. The examples could be included at the end of
the standard (similar to the example you have for
"getopt()").

@ 3.5 c 2

Problem:

Checkpoint save and restart are not clear.

Action:

Add overview on how checkpoint save and restart work.

@ 3.5 c 3

Problem:

It is not clear if the restarted process has the same
process ID as the original saved process.

Action:

Define constraints, if any, on the process ID.

@ B.8 c 4

Problem:

Page 153, type in first sentence: ``language or``.

Action:

Change to ``language or``.