

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

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Interpretation Request #45

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

7 Defect Report concerning (number and title of International Standard or DIS final text, if applicable):

The System Interfaces Volume of IEEE Std 1003-2011

8 Qualifier (e.g. error, omission, clarification required):

1. Error

9 References in document (e.g. page, clause, figure, and/or table numbers):

Page: 99 Line: 3766 Section: access

XSHbug2.txt Enhancement Request Number 12

10 Nature of defect (complete, concise explanation of the perceived problem):

Problem:

Defect code : 1. Error

The statement "If the process has appropriate privileges, an implementation may indicate success for X_OK ..." incorrectly implies that, when privileges are associated with user IDs, it applies to the effective user ID instead of the real user ID.

11 Solution proposed by the submitter (optional):

Action:

Change "If the process has appropriate privileges" to "For implementations where appropriate privileges are associated with user IDs, if the real user ID has appropriate privi-

leges”.

Interpretation Response #45

The standards states the requirements for access(), and conforming implementations must conform to this. However, concerns have been raised about this which are being referred to the sponsor.

Rationale for Interpretation

None