Portable Application Standards Committee
of the IEEE Computer Society Invites You to Ballot On

P1003.4b Standard for Information Technology -- Portable Operating System Interfaces (POSIX) -- PART 1: Real Time System API Extensions

RETURN DEADLINE: 30 August 1993

SCOPE: This work activity will extend the system interfaces defined by POSIX.1 and POSIX.4 to include additional facilities required by realtime applications.

PURPOSE: A strong need exists to extend the POSIX interfaces to provide more complete realtime functions. The existing interfaces of POSIX when including the .4 extensions, provide the base functions to support the portability of applications with realtime requirements. Examples of needed extensions are additions realtime scheduling policies such as deadline, an interface to allow the solution of the priority inversion problem of existing synchronization mechanisms, possible additional synchronization mechanisms, and address the issue of portability at the device driver interface.

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Portable Application Standards Committee
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P1003.12b Standard for Information Technology -- Portable Operating System Interfaces (POSIX) -- PART 1: API Network Process-to-Process Communication

RETURN DEADLINE: 30 August 1993

SCOPE: To define a programmatic interface for network process-to-process communication.

PURPOSE: To provide a programmatic interface that allows a portable application to communicate with another entity in a network such that the application may be independent of the underlying protocols. Furthermore, access to protocol-specific features will be made available in a protocol-independent framework.

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