Product Standard

Operating System and Languages:
Internationalized System Calls and Libraries Extended

The Open Group
Product Standard

Operating System and Languages: Internationalized System Calls and Libraries Extended

Document Number: X98SE

Published in the U.K. by The Open Group, January 1998.

Any comments relating to the material contained in this document may be submitted to:

The Open Group
Apex Plaza
Forbury Road
Reading
Berkshire RG1 1AX
U.K.

Or by email to:
OGSpecs@opengroup.org
NAME
Internationalized System Calls and Libraries Extended

LABEL FOR LOGO
No label.

DESCRIPTION
This Product Standard is a substantially extended version of the Internationalized System Calls and Libraries Product Standard. The extensions are a set of additional application programming interfaces taken from the most widely available operating systems traditionally, but not accurately, called UNIX, with the objective of producing, in conjunction with the Internationalized Systems Calls and Libraries Product Standard, a single common API specification capable of supporting a wide range of historical applications, in addition to standard Base/POSIX-conformant applications.

CONFORMANCE REQUIREMENTS

Human-Computer Interface
System Interface Definitions, Issue 4, Version 2\(^1\), Glyphs contained in Table 4-1, Portable Character Set.

Portability Interface
System Interfaces and Headers, Issue 4, Version 2\(^2\) with the following Feature Groups defined as mandatory:
- X/Open_UNIX_EXTENSION
- POSIX-2 C-language binding
- Shared memory
- Enhanced internationalization

Programming Language Environment

C Language. Dialect ISO C. ISO C source programs invoking the services of this Product Standard must be supported by the registered product.

Interoperability

- Data Interchange Formats
  None.
- Communications Interfaces and Protocols
  None.

OPERATIONAL ENVIRONMENT

Not applicable.

PORTABILITY ENVIRONMENT

Not applicable.

OVERRING STANDARDS

ISO/IEC 9945-1:1990 (POSIX-1).\(^3\)
ISO/IEC 9899:1990 (C Language).\(^5\)

INDICATORS OF COMPLIANCE

Test Reports from currently authorized releases of the VSX4 and VSU4 Test Suites.

MIGRATION

As this Product Standard is a superset of that for Internationalized System Calls and Libraries, there are no issues in migrating to it from that Product Standard. Issues involved in migration from the XPG3 Internationalized System Calls and Libraries Product Standard are identical to those described in the Internationalized System Calls and Libraries Product Standard.

It should be noted, however, that this environment is provided primarily to support existing historical applications. Applications written to the standards-based Internationalized System Calls and Libraries Product Standard will port to the widest range of systems.

---