P1003.1

Submitter Email: ajosey@opengroup.org
Type of Project: Revision to IEEE Standard 1003.1-2008
PAR Request Date: 19-Apr-2017
PAR Approval Date: 15-Jun-2017
PAR Expiration Date: 31-Dec-2021
Status: PAR for a Revision to an existing IEEE Standard
Root Project: 1003.1-2008

1.1 Project Number: P1003.1
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Title: Standard for Information Technology - Portable Operating System Interface (POSIX(R))
Changes in title: Standard for Information Technology - Portable Operating System Interface (POSIX(R))

3.1 Working Group: Austin Joint Working Group (C/PA/POSIX)

Contact Information for Working Group Chair
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Contact Information for Working Group Vice-Chair
None

3.2 Sponsoring Society and Committee: IEEE Computer Society/Portable Applications (C/PA)

Contact Information for Sponsor Chair
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Contact Information for Standards Representative
None

4.1 Type of Ballot: Individual
4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 07/2017
4.3 Projected Completion Date for Submittal to RevCom
Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 02/2018

5.1 Approximate number of people expected to be actively involved in the development of this project: 100

5.2 Scope: IEEE Std 1003.1-201x defines a standard operating system interface and environment, including a command interpreter (or "shell"), and common utility programs to support applications portability at the source code level. It is intended to be used by both applications developers and system implementors.

IEEE Std 1003.1-201x comprises four major components (each in an associated volume):

1. General terms, concepts, and interfaces common to all volumes of IEEE Std 1003.1-201x, including utility conventions and C-language header definitions, are included in the Base Definitions volume of IEEE Std 1003.1-201x.
2. Definitions for system service functions and subroutines, language-specific system services for the C programming language, function issues, including portability, error handling, and error recovery, are included in the System Interfaces volume of IEEE Std 1003.1-201x.
3. Definitions for a standard source code-level interface to command interpretation services (a "shell") and common utility programs for application programs are included in the Shell and Utilities volume of IEEE Std 1003.1-201x.
4. Extended rationale that did not fit well into the rest of the document structure, containing
3. Definitions for a standard source code-level interface to command interpretation services (a "shell") and common utility programs for application programs are included in the Shell and Utilities volume of IEEE Std 1003.1-201x.

4. Extended rationale that did not fit well into the rest of the document structure, containing historical information concerning the contents of IEEE Std 1003.1-201x and why features were included or discarded by the standard developers, is included in the Rationale (Informative) volume of IEEE Std 1003.1-201x.

5. Is the completion of this standard dependent upon the completion of another standard: No

6. Stakeholders for the Standard: The stakeholders are the IT industry at large, as these are foundation standards for many operating systems.

7. Intellectual Property

   6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: Yes
   If yes please explain: This is a joint copyright document with IEEE and The Open Group (as per all editions since 2001)

   6.1.b. Is the Sponsor aware of possible registration activity related to this project?: No

8. Additional Explanatory Notes: This is a revision to the 1003.1-2008 standard to rollup the standard including its two technical corrigenda (as-is), so as to avoid the standard timing out in 2018. This rollup edition is intended to be technically identical to the 2008 standard including its two technical corrigenda. The committee will also be starting another revision after this that is not expected to complete until 2020 at the earliest.