IEEE P1003.2a Draft 8 – December 1991

Copyright © 1991 by the
Institute of Electrical and Electronics Engineers, Inc.
345 East 47th Street
New York, NY 10017, USA
All rights reserved as an unpublished work.

This is an unapproved and unpublished IEEE Standards Draft, subject to change. The publication, distribution, or copying of this draft, as well as all derivative works based on this draft, is expressly prohibited except as set forth below.

Permission is hereby granted for IEEE Standards Committee participants to reproduce this document for purposes of IEEE standardization activities only, and subject to the restrictions contained herein.

Permission is hereby also granted for member bodies and technical committees of ISO and IEC to reproduce this document for purposes of developing a national position, subject to the restrictions contained herein.

Permission is hereby also granted to the preceding entities to make limited copies of this document in an electronic form only for the stated activities.

The following restrictions apply to reproducing or transmitting the document in any form: 1) all copies or portions thereof must identify the document's IEEE project number and draft number, and must be accompanied by this entire notice in a prominent location; 2) no portion of this document may be redistributed in any modified or abridged form without the prior approval of the IEEE Standards Department.

Other entities seeking permission to reproduce this document, or any portion thereof, for standardization or other activities, must contact the IEEE Standards Department for the appropriate license.

Use of information contained in this unapproved draft is at your own risk.

IEEE Standards Department
Copyright and Permissions
445 Hoes Lane, P.O. Box 1331
Piscataway, NJ 08855-1331, USA
+1 (908) 562-3800
+1 (908) 562-1571 [FAX]

# Section 2: Revisions to Terminology and General Requirements

## 2.2.1 Terminology

⇒ **2.2.1 Terminology.** *Modify the contents of subclause 2.2.1, Terminology, to add the following definition in the correct sorted order [disregarding the subclause number shown here].*

**2.2.1.1 application:** When the User Portability Utilities Option is supported, requirements associated with the term *application* shall also be interpreted to include the actions of the user who is interacting with the system by entering shell command language statements from a terminal.

**Terminology Rationale.** *(This subclause is not a part of P1003.2a)*

The term *application* is not defined in either POSIX.1 {8} or POSIX.2; it is assumed to be a part of general computer science terminology. The definition in this subclause is present to ensure readers understand that the general requirements for applications also apply to interactive users. If, for instance, POSIX.2 requires a Strictly Conforming POSIX.2 Application to use a specific option to a utility, an interactive user would also have to use that option to be considered strictly conforming.

Copyright © 1991 IEEE. All rights reserved.
This is an unapproved IEEE Standards Draft, subject to change.

### 2.2.2 General Terms

⇒ **2.2.2 General Terms.** *Modify the following two subclauses of 2.2.2, General Terms, to add the synonym shown for each:*

**2.2.2.10 background process group [background job]:** Any process group, other than a foreground process group, that is a member of a session that has established a connection with a controlling terminal. [POSIX .1 {8}]

**2.2.2.73 foreground process group [foreground job]:** A process group whose member processes have certain privileges, denied to processes in background process groups, when accessing their controlling terminal.

Each session that has established a connection with a controlling terminal has exactly one process group of the session as the foreground process group of that controlling terminal. See POSIX .1 {8}7.1.1.4. [POSIX .1 {8}]

⇒ **2.2.2 General Terms.** *Modify the contents of subclause 2.2.2, General Terms, to add the following definitions in the correct sorted order [disregarding the subclause numbers shown here].*

**2.2.2.201 alert:** To cause the user's terminal to give some audible or visual indication that an error or some other event has occurred.

When the standard output is directed to a terminal device, the method for alerting the terminal user is unspecified. When the standard output is not directed to a terminal device, the alert shall be accomplished by writing the `<alert>` character to standard output (unless the utility description indicates that the use of standard output produces undefined results in this case).

**2.2.2.202 block-mode terminal:** A terminal device operating in a mode incapable of the character-at-a-time input and output operations described by some of the standard utilities.

See 2.14.

**2.2.2.203 cursor position:** The line and column position on the screen denoted by the terminal's cursor.

**2.2.2.204 display:** To output to the user's terminal.

If the output is not directed to a terminal, the results are undefined.

Copyright © 1991 IEEE. All rights reserved.
This is an unapproved IEEE Standards Draft, subject to change.