IEEE P1003.2a Draft 8 – December 1991

4.32 `kill` — Terminate or signal processes

⇒ **4.32.4 `kill` Operands.** *In clause 4.32, modify the description of the pid operand in the Operands subclause:*

pid One of the following:

(1) *<current contents>*

(2) On systems supporting both the POSIX.1 {8} job control option and the User Portability Utilities Option, a job control job ID (see 2.2.2.206) that identifies a background process group to be signaled. The job control job ID notation is applicable only for invocations of `kill` in the current shell execution environment; see 3.12.

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

The job control job ID notation is not required to work as expected when `kill` is operating in its own utility execution environment. In either of the following examples:

```
nohup kill %1 &
system("kill %1");
```

the `kill` operates in a different environment and will not share the shell's understanding of job numbers.

4.40 `mailx` — Process messages

Editor's Note: This clause contains text that is directly extracted from POSIX. 2 8
Draft 11.2 and, as such, is not eligible for balloting by the POSIX. 2a group. This 8
text is marked with the '1'' or '2'' diff-marks. 8

⇒ **4.40 `mailx`.** *Replace the entire contents of clause 4.40 with:*

4.40.1 Synopsis

Send Mode:

> `mailx [−s` *subject* `]` *address* ...

On systems supporting the User Portability Utilities Option, the following forms shall also be valid (Receive Mode):

> `mailx −e`
>
> `mailx [−HiNn] [−u` *user* `]` 7
>
> `mailx −f [−HiNn] [`*file* `]`

4.40.2 Description

The `mailx` utility provides a message sending and receiving facility.

When this standard is implemented without the User Portability Utilities Option,
an application using `mailx` shall have the ability to send messages directly from
standard input to one or more addresses in an unspecified manner. (Send Mode.) 1
Unless the first character of one or more lines is tilde (~), all characters in the 1
input message shall appear in the delivered message, but additional characters 1
may be inserted in the message before it is retrieved. 1

On systems supporting the User Portability Utilities Option, mail-receiving capabilities and other interactive features, Receive Mode, described below, shall also be enabled.

When reading mail, `mailx` provides commands to facilitate saving, deleting, and responding to messages. When sending mail, `mailx` allows editing, reviewing, and other modification of the message as it is entered.

Incoming mail shall be stored in one or more unspecified locations for each user, 7
collectively called the system *mailbox* for that user. When `mailx` is invoked in 7
Receive Mode, the system mailbox shall be the default place to find them. As
messages are read, they shall be marked to be moved to a secondary file for
storage, unless specific action is taken. This secondary file is called the *mbox* and 7
is normally located in the **HOME** directory of the user (see **MBOX**, in 4.40.5.3, for
a description of this file). Messages shall remain in this file until explicitly