IEEE P1003.2a Draft 8 – December 1991

Section 3: Revisions to Shell Command Language

⇒ **3.1 Shell Definitions.** *Modify the contents of clause 3.1, Shell Definitions, to add the following definition in the correct sorted order [disregarding the subclause number shown here].*

3.1 Shell Definitions

3.1.101 alias name: A word consisting solely of underscores, digits, and alphabetics from the portable character set (see 2.4) and any of the following characters:

`!` `%` `,` `@` 7

Implementations may allow other characters within alias names as an extension. 7

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

The characters allowed in alias names are from historical practice.

⇒ **3.3.1 Alias Substitution.** *Modify the contents of clause 3.3, Token Recognition, to add the following subclause:*

3.3.1 Alias Substitution

The processing of aliases shall be supported if the system supports the User Portability Utilities Option.

After a token has been delimited, but before applying the grammatical rules in 3.10, a resulting word that is identified to be the command name word of a simple command shall be examined to determine if it is an unquoted, valid alias name. However, reserved words in correct grammatical context shall not be candidates for alias substitution. A valid alias name (see 3.1.101) shall be one that has been defined by the `alias` utility (see 5.1) and not subsequently undefined using `unalias` (see 5.31). Implementations also may provide predefined valid aliases that are in effect when the shell is invoked. To prevent infinite loops in recursive aliasing, if the shell is not currently processing an alias of the same name, the word shall be replaced by the value of the alias; otherwise, it shall not be replaced.