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7.6 Generate Pathnames Matching a Pattern

Any language binding to Language-Independent System Services shall include a facility to generate pathnames matching a pattern as described in 3.13.

The language-independent specifications for this facility has not been developed. The C binding is the *glob* () and *globfree* () functions described in B.8.

7.7 Perform Word Expansions

Any language binding to Language-Independent System Services shall include a facility to do shell word expansions as described in 3.6.

The language-independent specification for this facility has not been developed. The C binding is the *wordexp* () and *wordfree* () functions described in B.9.

7.7.1 Perform Word Expansions Rationale. *(This subclause is not a part of P1003.2)*

See the rationale for this function in B.9.

7.8 Get POSIX Configurable Variables

7.8.1 Get String-Valued Configurable Variables

Any language binding to Language-Independent System Services shall include a facility to obtain string configurable variables.

The language-independent specification for this facility has not been developed. The C binding for this facility is the *confstr* () function described in B.10.1.

7.8.2 Get Numeric-Valued Configurable Variables

Any language binding to Language-Independent System Services shall include facilities to determine the current values of system and pathname limits or options (*variables*), as specified by POSIX .1 {8}. The configurable variables listed in Table 7-1, which are defined in POSIX .1 {8}, shall be available in any POSIX. 2 language-dependent binding, with minimum values as given in POSIX .1 {8}. Other POSIX .1 {8} configurable variables may be supported, but are not required by POSIX. 2. This facility shall also make available current values for all system limits defined in 2.13.

The language-independent specifications for these facilities have not been developed. The C bindings are the *sysconf* () function described in POSIX .1 {8}4.8, and the *pathconf* () and *fpathconf* () functions defined in POSIX .1 {8}5.7.

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7.8.2.1 Get Numeric-Valued Configurable Variables Rationale. *(This subclause is not a part of P1003.2)*

This description calls out specific values that *sysconf* (), *pathconf* (), and *fpathconf* () are required to support. Some of the POSIX .1 {8} values are excluded from this list because they are not relevant in a POSIX. 2-only environment. Currently, only {CLK _TCK } is not required by POSIX. 2.

This description does not specify the *name* values for the arguments to the various functions. This is because different language bindings might use different naming conventions, or might use a completely different scheme for obtaining the required configurable values. Specific names for the *name* values for the C language binding are given in B.10.2.

7.9 Locale Control

Any language binding to Language-Independent System Services shall include a facility to set locale control information.

The language-independent specification for this facility has not been developed. The C binding for this facility is described in B.11.

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

This facility is required in POSIX. 2 so that applications can control the locale, which affects the operation of POSIX. 2 utilities.

Table 7-1 – POSIX .1 Numeric-Valued Configurable Variables

{ARG_MAX}	{NAME_MAX}	{_POSIX _CHOWN _RESTRICTED }
{CHILD _MAX}	{NGROUPS _MAX}	{_POSIX _JOB _CONTROL }
{LINK _MAX}	{OPEN _MAX}	{_POSIX _NO_TRUNC }
{MAX_CANON }	{PATH _MAX}	{_POSIX _SAVED _IDS }
{MAX_INPUT }	{PIPE _BUF }	{_POSIX _VDISABLE }

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