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IEEE P1003.2 Draft 11.2 – September 1991

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}

Annex A
(normative)
C Language Development Utilities Option

This annex describes utilities used for the development of C language applications, including compilation or translation of C source code and complex program generators for simple lexical tasks and processing of context-free grammars.

The utilities described in this annex may be provided by the conforming system; however, any system claiming conformance to the **C Language Development Utilities Option** shall provide all of the utilities described here. The utilities described in Section 6 are prerequisites to this annex.

A.0.1 C Language Development Utilities Option Rationale. *(This subclause is not a part of P1003.2)*

The portions of this standard that concern specific languages—currently C and FORTRAN —have been collected to the rear of the document as Normative Annexes. For purposes of conformance, they are no less a part of the standard than one of the numbered sections. They were grouped as Annexes to illustrate that the base standard is [planned to be] language independent, giving a small degree of separation. The working group also wished to send a message to those groups planning other language bindings: the standard is not C-oriented, and there's plenty of room to add more annexes for your languages as you develop them, right alongside C and FORTRAN.