Cross compilation support Several variables have been added and some commands have been extended for better cross compilation support:

BDEPEND Build dependencies are divided into two classes: BDEPEND for native build tools (CBUILD); DEPEND for dependencies compatible with the system being built (CHOST). See BDEPEND on page 52.

SYSROOT The path to the root directory for DEPEND type dependencies. See SYSROOT on page 52.

ESYSROOT The concatenation of SYSROOT and the applicable offset-prefix. See SYSSROOT on page 52.

BROOT The prefixed root directory path for BDEPEND type dependencies, typically executable build tools. See BROOT on page 52.

econf If supported, configure will be called with the --with-sysroot=${ESYSROOT:-/} option. See ECONF-OPTIONS on page 64.

has_version and best_version These helpers support -b, -d or -r options, causing the query to apply to BDEPEND, DEPEND or RDEPEND (the default). This replaces the --host-root option. See PM-QUERY-OPTIONS on page 61.

Environment blacklist Any environment variable listed in the profile-defined ENV_UNSET variable will be unset by the package manager. See ENV-UNSET on page 53.

patch All inputs valid for GNU patch version 2.7 are supported. Especially, this includes support for git-formatted patches. See GNU-PATCH on page 59.

nonfatal In addition to its definition as a shell function, the nonfatal wrapper has now a fallback implementation as an external command. Thus, it can be called from other commands. See NONFATAL on page 60.

Output commands einfo and friends no longer use stderr, so inside of command substitution their output won’t be caught. See OUTPUT-NO-STDOUT on page 61.

eqawarn The eqawarn output command is supported in the package manager itself. See EQAWARN on page 61.

die in subshell The die command is guaranteed to work in a subshell context. See SUBSHELL-DIE on page 62.

domo destination domo installs the specified files under /usr/share/locale instead of $(DESTTREE)/share/locale. See DOMO-PATH on page 68.

Controllable stripping The dosstrip -x command can be used to add paths to an exclusion list for stripping of debug symbols, to allow more fine-grained control than with RESTRICT=strip”. See DOSTRIP on page 70.

Version manipulation and comparison commands

ver_cut range [version] Print the version substring specified by range. version defaults to PV.

ver_rs range repl ... [version] Replace all version separators in range by string repl. Multiple range repl pairs are allowed. version defaults to PV.

ver_test [v1] op v2 Check if the relation v1 op v2 is true. v1 defaults to PV; op can be -eq, -ne, -gt, -ge, -lt or -le. See VER-COMMANDS on page 72.

Removals/Bans

package.provided Deprecated since a long time and finally dropped. See PACKAGE-PROVIDED on page 24.

PORTDIR and ECLASSSDIR No longer defined, because ebuilds should not directly access files in the repository. See PORTDIR on page 52 and ECLASSSDIR on page 52.

DESTTREE and INSDESTTREE Not defined any more. Use the into and insinto commands instead. See DESTTREE on page 53 and INSDESTTREE on page 53.

dohtml No longer allowed. doins -r can be used as a replacement. See BANNED-COMMANDS on page 60.

dolib and libopts No longer allowed. The specific dolib.a or dolib.so commands should be used as replacement. See BANNED-COMMANDS on page 60.