```
% historyk.pdf                         An idea of Bernard Gaulle 07/29/92
%                               Copyright Bernard Gaulle as in french_doc
% kbconfig HISTORY
%
% mods: Let \csubinverse be known of the rest of the world.      --bg 04/20/93
%       Let 7-bit accent macro produce 8-bit chars when possible. --bg 04/28/93
%       Accent macros must produce only one token   otherwise
%           upper/lower-casing isn't correctly
%           converted (bug found by Jean-Claude Vivalda).       --bg 05/06/93
% V1.3  Define << and >> for any 8-bit usage(pointed by H.Soulard)--bg 08/10/93
% V1.4  Define a \global \FontEncoding as "CMR" or "ECM" to pass
%           to any run-time style such as french.sty  (but let
%           it asis if already defined).                         --bg 08/18/93
%       Add code for kb2lex interface (only for TeX V3.xx)        --bg 08/27/93
%       #4 param of \Madef wasn't a balanced text.               --bg 08/30/93
%       Replace \FontEncoding by \encodingdefault of NFSS2.      --bg 08/31/93
%       Current encoding used if any (\f@encoding).              --bg 09/01/93
%       \@tempa no more redefined bec. used in \input def of NFSS2--bg 09/02/93
%       But ngow using \@tempc...
%       Introduce \protect outside kb2lex because a macro such
%       as \copyright is not expandable due to alignement macros. --bg 09/03/93
%       LaTeX loop over \@tempc solved by \edef to null in[ macros
%       Issue warning when TeX V3 and CMR only.                  --bg 11/22/93
%       \f@encoding may be undefined.                            --bg 12/03/93
%       Allow the NFSS2 user to change of font encoding on the fly--bg 12/15/93
%       \input replaced by \@@input if defined.                  --bg 12/17/93
% V1.5  Accent macros redefined at end to usual if outside MlTeX.
%       \aa and \AA were not redefined for 8bits.                --bg 12/21/93
% V1.6  Let \ifECM be globaly false if undefined. (pb of Goussard)--bg 03/23/94
% V1.7  Correction of previous change that was wrongly coded.    --bg 03/31/94
% V1.8  \ISOfalse disactivated too much active chars.            --bg 05/09/94
% V1.9  Reduced usage of backslash in lex code.(pointed by Vial). --bg 05/30/94
% V1.10 Give a global default definition for < and >.            --bg 06/07/94
% V1.11 Reset invalid LaTeX2e chars to internal \catcode 11.     --bg 09/27/94
%       Hack the format dumping time to set catcode correctly
%       (normally to remove for the 94-95 winter release of LaTeX)--bg 09/29/94
%       Take care of \I & \SS already defined in 2e.
%       Correct 2e bug regarding OT1 uppercasing of ^^Y, ^^Z     --bg 09/30/94
%       Document these hacks via \wlog.                          --bg 10/03/94
%       Create a latex209.cfg to patch latex209.def which wrongly
%          reset \catcodes.                                      --bg 10/06/94
%       Let 8bit << and >> be equal to \fguillemets and \endfguillemets
%          avoiding them to become back 7bit when a solution will
%          be found...                                           --bg 10/10/94
%       Don't define globally current 2e TextSymbols.
%       Don't redefine accent macros for 2e T1 which includes something
%          like our MlTeX \csubinverse mechanism.                --bg 10/26/94
%       Rename \: in \r wich is what 2e is using.                --bg 11/16/94
%       Stronger error messages when running initex TeX+cmr.
%       Define MlTeX \OT1\accent macros for 2e.                  --bg 11/30/94
%       Take in account case when hexa code are undefined for
%          double chars outside MlTeX.                           --bg 12/17/94
%       Set low invalid chars to 11 even if gobbled.
%       Reload of kbconfig needed only for OT1.                  --bg 12/18/94
%       8bit chars in T1 were not defined as accent on letter.   --bg 12/20/94
% V1.13 oe, ae, etc were not activated in T1 ISO.
%       Uppercase of oe, ae, etc were not set to 11 in T1.
%       Force T1 if necessary when emulating 209.                --bg 01/05/95
% V1.14 \@c@@ wasn't correctly defined for OT1 in 2e.            --bg 01/09/95
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%        Avoid hexa codes to point back elsewhere in non-ISO.
%        Enforce \ifHB and encodingdefault wishes.           --bg 01/10/95
%        Use ^^9c as a gateway to uppercase estzet.
%        \csubinverse didn't use hexa code for non-ISO.
%        \r was undefined in plain TeX.
%        \lccode of \OE was undefined in (and for) plain TeX.
%        Plain def of pounds must not use \char bu \string    --bg 01/14/95
% V1.15 Let \i and \j be i and j inside 2e.                   --bg 02/05/95
% V1.16 Low chars need to be 11, even in 2e.                  --bg 03/06/95
%        Force T1 in latex209.cfg for non-MlTeX engines to ensure
%          that hyphenation be clean. Sugg. by D.B.Roegel.
%        No lcc/ucc for normal T1 ISO slots (correctly set in font).
%        In T1 ISO, chars are not initiated. This was true except
%          for MACRO & LIGS (chars were already activated).
%        \DOhex provides chardef adjustement in hex. True but not
%          for LEX.
%        Plain has an incompatible \i definition for \csubinverse
%         and no definition of \pounds (was wrongly removed by me
%         as few defs for \oe \OE \ae \AE \o \O \ss... (just that!)
%         probably when modifying the code for LEX and 2e).   --bg 03/07/95
%        TeX3+CMR warning message rewritten in english and no more
%          issued twice.                                      --bg 03/08/95
% V1.17 Reset \Def \Let \Let to undefined as suggested by jose
%          Grimm to avoid conflicts with theorem.sty.         --bg 10/12/95
% V1.18 Math accents too introduced!.                         --bg 01/09/96
% V1.19 Allow to load various keyboard.xxx with \@kbencoding which
%          is defautly set to "dat". See keyboard.sty too.    --bg 02/21/96
%        Add \documentstyle option "english" for compatibilty, thus
%          avoiding to load english.sty.                      --bg 04/05/96
% V1.20 Don't use DC accents in maths with LaTeX T1 font encoding.--bg 06/25/96
% V1.21 Messages numbered.                                    --bg 96/10/29
% V1.22 accent macros modified to accept \relax argument.     --bg 97/02/18
%        accent macros no more generate an enclosed token {x}. --bg 97/02/19
% V2.00 Removing stuff for 2.09 and TeX V2
%        Introducing \ifEightBitOuput generation to let packages
%          know if they can output 8bit or not.               --bg 97/06/23
% V2.01 \ifISO replaced internally by \nonActifCar. At users
%        level one use \ACTIVEtrue/false.                      --bg 97/09/19
% V3.00 keyboard.dat file is now fully a configuration file for
%          the user. New keyboard.cfg is for site installator.
%          Encoding tables are now in xxx.kbc (instead of
%          keyboard.xxx).                                      --bg 97/09/26
%        ^^9c is used by various encoding, specially ansinew. So
%          i introduce \unusedslot which is defaultly set to ^^9c.
%          \unusedslot can be changed in *.kbc files.          --bg 97/10/14
% V3.01 8-bits chars with accents are usable in math with MlTeX.
%        Except for \c \r and \H (no solution found, none found
%          in plain.tex too).                                  --bg 97/11/06
%        Define \degre.                                        --bg 97/12/09
%        Now use \ESC before any TeX cs in *.kbc when wiling
%          to pass TeX code to LEX. \copyright and \degre have
%          been modified in *.kbc.                             --bg 97/12/10
%        Output of \copyright need not to be protected.        --bg 97/12/19
% V3,02 \ESC wasn't defined.                                   --bg 98/01/23
% V3,03 There was no reason to modify OT1 accent macros of LaTeX
%          when kbconfig called from T1. Removed.              --bg 98/01/27
% V3,04 Conversion of \degre to 8bits was wrong due to mismatch. --bg 98/02/06
% V3,05 Let \ifECM be true for any other encoding except OT1, this
%          will allow LY1 to be used too.                      --bg 98/02/17
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% V3,06 As pointed by Thomas Esser, ^^e9 generated a LaTeX error
%        during the second pass in a non-MlTeX engine, because
%        ^^e9 was activated in the first pass. No more use in the
%        second pass.                                   --bg 98/04/15
% V3,07 Files names may have a blank space on Mac, thus you can't
%        use \jobname asis. I introduce \@jobname for that
%        purpose.                                       --bg 98/04/16
%        Inproved by D. Barbier.                        --bg 98/04/22
% V3,08 As when using MlTeX on Mac kbconfig produced bad accent
%        macros (as pointed by M. Bovani) i found that the
%        \csubinverse generation was absolutely wrong. The 8bits
%        code produced was a T1 code in place of a Mac code.
%        Obviously all input encoding near T1 encoding, e.g. latin1
%        ran perfectly untill now.
%        \csubinverse generation modified.              --bg 98/04/29
%        Doing a loop from 128 to 256 for \catcodes setting.
%        Pb to \uppercase es-tzet on Mac. Due to \uccode targeting
%        a non active char. Uppercase hexa code now defined to its
%        uppercase letter value.                        --bg 98/05/05
%        Redefining \newcount for plain TeX.            --bg 98/05/06
% V3,09 Modifications to allow MlTeX to map the Cork encoding.
%        This can be forced by any def. of \forceMlTeXtoCork
%        but then removing the facility to have usual 8bits
%        chars with diacritics in math.                 --bg 98/05/11
%        \imath and \jmath used in math in place of \i and \j.
%        Letters with diacritics now available in math with
%         MlTeX T1, as well as OT1.
%        Math accents for Plain corrected when ec font used.
%        Any \cedilla macro for math somewhere?         --bg 98/05/12
%        Message issued when \unusedslot is already actively active
%         or just a char.
%        ^^P and ^^Q used erroneously in T1 with MlTeX for \i & \j
%         as pointed by M. Bovani.                      --bg 98/05/15
% V3,10 Defaultly chars have no lower/upper case except
%        themselves.                                    --bg 98/06/09
%        \texteuro defaultly defined.                   --bg 98/06/12
% V3,11 Defaultly, in T1 too, chars have no lower/upper case except
%        themselves.                                    --bg 98/07/07
%        When T1, \ss comparison now done on the target code ^^ff. --bg 98/08/13
%        Initiate codes each time of loading (except for LEX)
%         exactly as LaTeX do for the format. Just for caution.   --bg 98/08/14
%        Never activate chars for math when T1.         --bg 98/09/01
%        ^^Y ^^Z ^^P ^^Q were invalid chars with plain TeX.       --bg 98/09/07
%        Validate \forceMlTeXtoCork only when MlTeX. M. Bovani
%         was pointing that hack for other formats.     --bg 98/09/12
%        Correction of \ifx\texeuro.                    --bg 98/12/15
% *.kbc all char-macros are now ended with {} as suggested by
%        Michel Bovani.                                 --bg 99/01/15
% V3,12 \ForceMlTeXtoCork apply also with plain T1.     --bg 98/12/18
% V3,13 Force ^^[ and ^^^ to be chars for Plain OT1 hyphenation. --bg 98/12/22
%        When substition goes through a cs then end it with {}.  --bg 98/12/24
% V3,14 \fguillemets and \endfguillemets replaced by \guillemotleft
%        and \guillemotright to allow 8bits verbatim.   --bg 99/01/07
%        Applemac hack: Reset ^^df to \ss when pointing to ^^ff.  --bg 99/01/15
%        Not doing it twice when making the format. \fmtname
%         redefined temporary for testing second pass.
%        Releasing \dumpORI and \fmtnameORI to \undefined.
%        As all .kbc files contain cs with ending {}:
%        (it's now assumed to be done everywhere!)
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%        i introduce \GobbEmpty to remove empty block after
%           alphabetic cs when generating lex file (+I added).
%        Accepting LO1 encoding as a default, if usefull...      --bg 99/01/18
%        \fmtname was wrongly set to \undefined at run-time as
%           pointed by Werner Struckmann.                        --bg 99/01/27
% V3,15 Remove any trailing {} when doing \csubinverse. Apply
%        to \i, \I, ...                                          --bg 99/02/01
% V3,16 Arg with \i{} and \j{} in \if tests should be the last.
%        \IeC now defined as in inputenc.
% V3,17 Using \IeC when encoding a char when otherwise it would
%           have pointed to an active char. This should solve pb
%           when using \MlTeXtoCork with LaTeX over any write.
%        \DEBUGmessage introduced for debugging.                 --bg 99/02/09
%        \IeC usage with plain corrected.                        --bg 99/02/12
% V3,18 Should check again \unusedslot after keyboard.dat loading.--bg 99/02/19
% V3,19 \fmtname no more temporary set to \undefined. (Pb reported
%         by A. Valentin). Now define \InitexTime cmd.
%        \@jobname setting correction (for space in \fmtname).   --bg 99/02/19
% V3,20 Disable encTeX when dumping.                             --bg 99/03/25
%        Message about \unusedslot now numbered.                 --bg 99/04/13
% V3,21 \I was never generated back to 7bit as pointed by Werner
%        Struckman.                                              --bg 99/04/22
%        Keyboard package modified to allow kbconfig to work only
%           globaly, otherwise previous activated chars like ":"
%           in French were disactivated when moving to another
%           input encoding.                                      --bg 99/04/28
%        Chars with diacritics, when activated for math, should
%           be globally disactivated for text, otherwise there is
%           a mess and "missing $" message occurs.               --bg 99/04/29
% V3,22 Set \@kbspecials for any \kbtypeout cs like in french
%           or keyboard packages to typeout with the appropriate
%           keyboard encoding.
%        Set \@kbencoding in the format.                         --bg 99/05/07
%        \mathring introduced (LaTeX R9 June 98).                --bg 99/07/07
% V3,23 Now loading hyphenation exceptions file, if any, at
%           each new encoding switch, but only for the current
%           language and never for a dialect.                    --bg 99/08/09
%        Avoid kb-translations when running kb2lex.              --bg 99/08/12
%        Allowing / to be a letter in .kbc files.                --bg 99/08/26
%        Loading .kbc file inside a group, like keyboard.sty
%        All \catcode on char set of .kbc now done globally.     --bg 99/08/27
%        Not willing to delay the distribution of the french files
%        i release kbconfig asis with \kbtypeout=\typeout.
%        New feature will come in a next release.                --bg 1999/10/11
%        Message -29- relooked.                                  --bg 1999/10/12
% V3,24 \protect should be defined as \relax with Plain T1.
%        This is done in frtex.ini                               --bg 1999/11/04
%        \ESC now protects the next \ as a string so that we
%           can write any code .lex. Was done for \times and \div
%           in (iso)latin1.kbc and (iso)latin9.kbc               --bg 1999/11/05
%        ... but needs \+ not an \outer def with Plain.          --bg 1999/11/23
% V3,25 When defining \unusedslot one should use \gdef           --bg 1999/11/24
%        Mods processing \@unusedslot.
%        Message -59- added to avoid a format have any default
%           output text, i.e. page in it.
%        Now shipping "\IeC{value}" instead of "\IeC value".
%        Ugly hack about ^^df removed.                           --bg 1999/11/26
% V3,26 \ForceMlTeXtoCork no more used. Replaced by a test
%           comparing kbencoding to Cork's one.                  --bg 1999/12/03
```

```
% V3,27 \IeC is now defaultly defined as a mark of input encoding
%          processing included.
%        Message -61- added in order the user chose between
%          inputenc or keyboard (just a warning).             --bg 1999/12/20
%        Allow mltex.sty to be preloaded.                     --bg 1999/12/22
% V3,28 \ESC definition  changed for to8 for translation
%          of \cs into \\"cs" and \string x into \\"string x".
%        +unskip \def no more usefull, removed.
%        \def of +l, +L, +o, +O, +P, corrected.              --bg 2000/02/28
%        Wrong 8bits char generated via \csubinverse due to
%          the use of \string. Char, even \active, is regenerated
%          as a letter via the \Recycle macro.               --bg 2000/06/14
%        MlTeX+T1 should not have default \ACTIVEtrue. But any composite
%          character which don't match Cork should be defined in *.kbc
%          file within an \ACTIVEtrue bloc.
%        \csubinverse mechanism should not apply when MlTeX is off.
%          More: \@x@letter should be reset to \undefined in
%          that case.                                         --bg 2000/06/28
%        kb2lex generation of eight bits lex files no more
%          surrounds (non composite) char with braces.        --bg 2000/10/04
%        8bit guillemets now expand to \csname guillemotleft\endcsname
%          so there is nothing to gobble after that def.
%        \@macencodedecode need a complete argument (e.g.
%          {\csname guillemotleft\endcsname}. Thus all calls are
%          now inside a block.                                --bg 2000/10/27
%        \i \I and \j wrongly generated in 7 and 8bits. Basic
%          translation made the same way alone chars eg \"{\i}. --bg 2000/12/08
%        Message number 61 renumbered 67.                     --bg 2000/12/20
%        Missing space after \string^^xx.                     --bg 2001/01/23
%        fpTeX does not allow to \read a file declared as
%          \newwrite, so i declare it also as usual
%          with \newread (tha's the recycle file).           --bg 2001/03/22
% V4,01 \cedilla added for math.                              --bg 2001/12/13
%        \imath and \jmath were not in use due to change in \i
%          and \j definitions, so they were printed as in text.
%        \DEBUGmessage added for math generation.             --bg 2001/12/14
%        Avoid loop when inputenc is loaded in a French mltex
%          format: \@tabacckludge is redefined as \@gobble
%          in math. mode.
%        Numbering messages 69 and 70.                        --bg 2002/02/12
%        \csubinverse DEBUGmessage misplaced.
%        EncodeDecode macros renamed for meaning.
%        latin1 and latin9.kbc modified for divide and multiply
%          chars defs.                                        --bg 2002/02/14
%        Definition of degree char in *.kbc modified to \r{}.
%        Definition of euro char in *.kbc modified to
%          \csname...\endcsname because \texteuro id defaultly
%          \undefined.                                        --bg 2002/02/20
% V5,00 \@kbspecials tunned for \kbtypeout.
%        Full keyboard output encoding now running.           --bg 2002/03/06
%        Added: \blankspace and \dGs definition to avoid
%          gobbling space when encoding to 7bit.              --bg 2002/03/13
%
%        Changing default encoding to latin9.
%        Defining \unusedslots for ansinew encoding when
%          called from keyboard extension.
%        Releasing that version.                              --bg 2002/03/22
% V5,01 Typo corrected in Message -70-.                       --bg 2002/05/27
% V5,03 UTF8 input option added thru inputenc package.
```

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%        Making \kbencoding available in format.            --bg 2003/07/04
% V5,04 Hyphenation exceptions were wrongly loaded when kb2lex.
%        Message -56- and -29- modified.                    --bg 2003/10/03
% V5,05 \kbencoding no more create a bloc to work in.       --bg 2003/10/24
%        Never load twice consecutively the same encoding.  --bg 2004/02/20
%        UTF8 output facility added.                         --bg 2004/02/25
%        <language>.*.kbc facility added.                    --bg 2004/02/27
% V6,00 Released.                                            --bg 2004/03/01
% V6,01 Erroneous test about <languagename>@hefn.tex file corrected
%         this will avoid a ``.tex File ignored'' message.   --bg 2004/03/22
%        No change of \@inpenc@test if already defined.      --bg 2004/03/24
%        New macros supported: \d, \b, \t, \G, \U, \k.
%        No more use \noms which is useless now.             --bg 2004/03/29
%        Messages in French, if requested.                   --bg 2004/04/02
% V6,02 Crash when requesting applemac after utf8 corrected:
%         applemac.kbc \long def of lowercase macros;
%         \UTFviii@ macros nullified at begining of kbconfig. --bg 2004/10/12
%
% V6,03 -29- msg should not be issued with "7b" option and
%        if really issued it should be only once.
%        ORI chars were wrongly defined.                     --bg 2005/01/26
%        We don't allways need to re-input active strings so
%          just change it to an usual string. (/recycle mods).
%        Added the "stringed" message%
%        Added the "recycled" debugging message in place of previous
%          "KR" message.                                     --bg 2005/01/28
%        \kbencoding modified not to load twice the same code. --bg 2005/02/08
% V6,04 Now using the "msg" package when LaTeX; but "msg"
%        may load kbconfig too for \msgencoding so we should
%        avoid a loop, so the \kbAissue macro will not be
%        reentered. In that case usual \message will be used.
%        Don't issue -29- when kb2lex.
%        Issue message -29- at end to avoid crash.           --bg 2005/02/25
%        Unused slot ^^9c or ^^8d should be reset to \undefined
%          before using it.
%        Messages -88, 89, 90- now numbered, -91- added.     --bg 2005/03/02
%        Now allowed \kb@hook at end of kbconfig.            --bg 2005/03/03
% V6,10 Major change in accent macros to allow \i to be processed
%         as i in mltex macros. The macro \kb@char remove the \
%         and keep the i. Afterwards \@hat@i ==> \@hat@^^P
%         and \@hat@j ==> \@hat@^^Q.                         --bg 2005/03/14
% V6,11 Misspelled \ifx when the msg package was not found.
%        Message -92- introduced.
%        Stand alone message -28- relooked.                  --bg 2005/03/17
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%
%%      checksum        = "09474 344 3146 23589"
%%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```