



## NS-DK Version 5.00 Service Pack 1

### Introduction

The purpose of this Nat System document is to introduce the orientation of developments in NS-DK 5.00. SP1 or 5.00.01 available since November 2006.

You will find in this release description:

- Elements relating to the implementation of Nat System's product strategy.
- A summary of the new functionalities offered in NS-DK 5.00.01
- A list of configurations and platforms supported by NS-DK 5.00.01
- A list of fixed bugs.

Every effort has been made to ensure the validity and accuracy of the information contained in this document. However, out of a continuing concern for quality and reliability, and for technical, marketing or timing reasons, it is possible that we will have to refine the content in the weeks to come.

For this reason, this document cannot give rise to liability on the part of Nat System and does not constitute, therefore, a contractual commitment.

### Aim of the version

To accompany its customers and provide them with new controls and exhaustive documentation and examples, Nat System made this service pack 1 available.

The updates in NS-DK 5.00.01 relate to:

- The installation.
- Improvements in the development tool.
- Documentation improvements.
- New functionalities and libraries.
- Corrections of known bugs since 5.00 version.

## Installation

The Service Pack has the same installation procedure as the 5.00 version. This procedure installs the whole product. Hence, there is no need to install NS-DK 5.00 prior to install the service pack 1.

The installation now propose:

### NS-DK

- Run-times Libraries (Dlls compulsory for the applications)
- NSDESIGN (Development tool)
- Java, JDK (Run Time java used by the import module of the web services)
- Samples (NS-DK project examples)

### Database Drivers

- NS-DB
- DB/2
- Oracle
- MySql
- Sybase
- ODBC
- MS-SQL Server

## About

By clicking on the Help/About menu you will immediately see which version you are using:

- For the official or G.A. version you will have Version 5.00.
- For the pack SP1 service you will have 5.00. SP1.

## Enhancements in NS-DK 5.00 SP1

### The installation

- New procedure of installation allowing you to choose between the complete tool (with or without JDK) and run-time NS-DK. Recall: Run-time Java is not used by the importation module of the Web services.

### Improvements in the development tool

- New tool inserted in NS-DK named Grep. This tool enables you to seek a chain or a regular expression NCL in the text resources of the project (SCR, NCL and TXT). Double-click a line gives you the access to the code to make possible modifications.
- Various ergonomics points of which a new resources management box, the appearance of the edited window using the topic in progress.
- Display of the Custom Controls properties in the property pane, via a interface XML file (Examples SWITCH and DEMO\_CTL).

### Documentation improvements

- New project examples showing all the new functionalities of version 5 (ANCHOR, CUSTOM.TCL, MENU, NSCUSTIE, NSGOOGLESEARCH, NSHTTPDOWNLOAD, NSHTTPSENDDATA, NSSORT, OCXGRID, SHEETBOX, SEQUENCE).
- Documentation update (PDF and help online)

### New functionalities

- New API NSSORT to sort different arrays.
- New constants SMIP\_% to easily associate bitmaps to the items of internal or external menus.

- New control NSIEWEB allowing the integration of Web applications in a NS-DK dialog box and also facilitating the accesses to the DOM of the page.
- New NSXMLPRJ library to handle the projects with format XML (.XNP)

### Corrections

- Correction of known bugs.

**NB:** The technical bulletin of NS-DK 5.00, describing all the improvements and extensions developed for NS-DK 5.00 and integrated in NS-DK 5.00.01, is available on the enclosed CD.

## Supported configurations

Note that Nat System only guarantees the support and compatibility of the environments listed below.

### *NS-DK 5.00.01 : development environment*

The following 32 bit operating systems are supported:

- Windows NT4 SP6a, 98 SE
- Windows 2000 service pack 4
- Windows XP service pack 1 and pack 2

The compilers supported are:

- Microsoft Visual Studio 98
- Microsoft Visual Studio 2003
- Microsoft Visual Studio 2005
- Microsoft C++ Compiler Toolkit (free).

### *NS-DK 5.00.01 : client environment*

List of compatibilities and configurations supported.

#### **Windows NT4 SP6a, 98 SE**

The following DBMS pilots are supported:

- DB2 : 6.1, 7.2
- Oracle version 8i : 8.1.7
- Oracle version 9i : 9.0.1
- Oracle version 9i release 2 : 9.2.0
- Sql Server : 7.0, 2000, 2005
- ODBC 3.51
- Sybase 12.5.3, 15.0
- MySql 4.0

#### **Windows 2000 SP4**

The following DBMS pilots are supported:

- DB2 : 6.1, 7.2, 8.2, 9.0
- Oracle version 8i : 8.1.7
- Oracle version 9i : 9.0.1
- Oracle version 9i release 2 : 9.2.0
- Oracle version 10.1
- Oracle version 10.2
- SQL Server : 7.0, 2000, 2005
- ODBC 3.51
- Sybase 12.5.3, 15
- MySql 4.0
- IConnect 2.5.TC1 for Informix 7.2 and 9.4

**Windows XP (32 bits)**

The following DBMS pilots are supported:

- DB2 7.2, 8.2, 9.0
- Oracle version 9i : 9.0.1
- Oracle version 9i release 2 : 9.2.0
- Oracle version 10.1
- Oracle version 10.2
- Sql Server 2000, 2005
- ODBC 3.51
- Sybase 12.5.3, 15
- MySql 4.0
- IConnect 2.5.TC1 for Informix 7.2 and 9.4

**Linux RedHat Enterprise 3**

The following DBMS pilots are supported:

- Oracle version 8i : 8.1.7
- Oracle version 9i : 9.0.1
- Oracle version 9i release 2 : 9.2.0
- Oracle version 10.1
- Oracle version 10.2
- Mysql 3.2

**The supported compiler is:**

- GCC (GNU Compiler Collection) 3.2.2

## Support of third products by their respective editors

Oracle version 8i is no longer supported by Oracle since end 2004.

Microsoft no longer supports NT since end 2004.

Windows 98 will no longer be supported by Microsoft after June 2006.

## Product retirement

### *A version's technical state*

The status of each technical state of a version passes successively from "current" to "transition" to withdrawn".

A technical state starts with the general availability of a major, minor or maintenance version and results in:

- The assignment of "current" status to this version of the product
- The assignment of "transition" status to the previous "current" version of the product
- The assignment of "withdrawn" status to the previous "transition" version of the product

The table below summarizes the respective services guaranteed for the "current", "transition" and "withdrawn" versions of a product.

**Sale:** technical state available for sale.

**Changes:** operational coverage of the product changes with the next versions.

**Bugs:** analysis and correction of bugs is scheduled in current or future versions according o priorities.

**Version increments:** the product is ported onto new versions of the operating systems.

**Use:** assistance (helpdesk) is guaranteed by the Hot-Line center.

|                | Sale | Evolu.  | Bugs P=0 | BugsP= 1,2,3 | Version increments | Use |
|----------------|------|---------|----------|--------------|--------------------|-----|
| <b>Current</b> | Yes  | Yes (1) | Yes      | Yes          | Yes                | Yes |
| <b>Transit</b> | No   | No      | Yes      | No           | No (2)             | Yes |
| <b>Retirée</b> | No   | No      | No       | No           | No                 | No  |



*(1) The current version changes with the next technical state of the product.*

*(2) In some circumstances, version increments may be symmetrically compatible with the previous technical state in transition.*

Nat System supports a version of its products for a minimum period of three years. A version is supported for a minimum period of 1 year as a current version, then for a minimum period of 1 year as a transition version of the product.

Version 1.60 will be withdrawn from the 31 December 2006.

Version 3.00.2 will be maintained in transition until the release of version 6.00 (non contractual designation) which is planned for the second half of 2008.

Version 5.00.01 replaces version 5.00.

## List of fixed bugs in 5.00 SP1

| ID   | Description  |
|------|--|
| 7772 | the generation of C code under NSDK creates c and h files in capital letter    |
| 7747 | a combo box positions badly on the window                                      |
| 7746 | window containing a group box badly painted                                    |
| 7740 | window code not saved  |
| 7739 | bad length of character strings because of a concatenation                     |
| 7732 | I add one user event and I save then I remove it impossible to save            |
| 7717 | the combo of the controls list can be improved.                                |
| 7716 | The menus displayed with a bad font in design                                  |
| 7715 | no constant value when I made SHIFT F1   |
| 7712 | sheet: shift between the columns separators and the columns titles             |
| 7711 | bad cell value when backspace is used  |
| 7710 | sheet: displacement of the separation bar causes a bad display                 |
| 7702 | nswin and nsstuff assertion during the hide and show of a picture button       |
| 7694 | format problem when one uses the format P of the pointers                      |
| 7693 | a function does not accept in parameter a segment coming from a service        |
| 7683 | the contents of the cells are joined instead of being replaced                 |
| 7676 | bad format paper in Word when rtf file, created by nswp, is opened             |
| 7670 | problem of archive opening with sql server                                     |
| 7669 | bad display of listbox lines   |
| 7654 | in a classifier the checkbox can be badly displayed                            |
| 7650 | picture button: code in EXECUTED event => 'close on execution' remains checked |
| 7649 | Bad management of the TEMP or TMP environment variable                         |
| 7648 | 1575 assertion without NSGPI.PAS   |
| 7647 | cannot unselect line in sheet when used as listbox                             |
| 7646 | cannot move a window in design when using dual screens                         |
| 7645 | the dynstr variables cannot finish by a "\$" as parameter                      |
| 7642 | trap on bitmap control (type icon) in graphical target                         |
| 7641 | Syntax errors in c code when you use dynstr                                    |
| 7640 | assertion 1575 nsgpi.pas   |
| 7638 | Modify the text of 1 push button => file does not contain valid resources      |
| 7637 | impossible to duplicate a control  |
| 7636 | mouse wheel does not work with nsw2wps3.dll look                               |
| 7635 | F5 has no effect in debug mode   |
| 7634 | No refresh in the code editor  |
| 7632 | bad value for the constant resources   |
| 7631 | activation problem of buttons toolbar  |
| 7630 | bad display of the frame properties of a not dialog type window                |
| 7629 | trap when one enters in the combo frame properties                             |
| 7628 | focus error between window and library   |
| 7627 | creation of a segment: the field name is empty                                 |
| 7626 | insertion of a listview in a window  |
| 7619 | commit in oracle10g database are not done                                      |
| 7616 | transparency does not work for gif when it is in a groupbox                    |
| 7610 | Several ncl functions which manage strings are limited to 255 characters       |
| 7583 | nscp does not work when you specify the filename with its path                 |
| 7575 | XML, '&' character and escape sequence   |
| 7564 | generator returns an error when a static text length is greater than 251       |
| 7554 | cannot see picture button bitmap when in a template whose initcontext is coded |
| 7543 | mysql : with odbc syntax error when a select query contains a (                |
| 7522 | oracle password cannot contains a '!   |
| 7520 | backup button does not work  |
| 7517 | wrong border dialog  |

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| 7506 | xml and oracle on hp : core dump : problem with link                             |
| 7503 | in a sqlserver table cannot insert a string column containing a '%'              |
| 7485 | overwritten memory when value of a function is stored in a shorter variable      |
| 7484 | GetControlKind and GetControlSubKind return bad value                            |
| 7481 | cannot print more than one page when report on windows 98                        |
| 7477 | trap when you load a lisbox with lines containing integers                       |
| 7476 | cannot open a file twice   |
| 7466 | boolean cannot be specified as a type for stored function and procedure          |
| 7465 | code of private resource is shown in workspace                                   |
| 7464 | problem of tabulation  |
| 7461 | compilation error due to nswccapi.h  |
| 7456 | Cannot get the description field   |
| 7454 | icon not refreshed when use windows tile menu                                    |
| 7448 | problem with .styleex dynamic parameter for listview                             |
| 7432 | chacacters with stress are badly shown in log                                    |
| 7431 | long file names not in select directory control                                  |
| 7430 | trap when call a function as an cstring out parameter                            |
| 7429 | error ""duplicate identifier"" : in log file path to ncl is wrong                |
| 7428 | error ""duplicate identifier"" : in log file double click does not open the file |
| 7422 | cannot create static menu  |
| 7417 | ILD_TRANSPARENT% is defined in nswccapi.ncl and nsmisc.ncl                       |
| 7415 | lock instruction does not work on date time picker                               |
| 7414 | sqlserver fetch loop is interrupted after an insert into the database            |
| 7413 | entry field exploding badly positionned when window size changes                 |
| 7412 | in info box of date time picker you can select all the styles with shift key     |
| 7411 | date time picker : parameters in info box are lost when select 'time format'     |
| 7410 | size of the date time picker check box not changed when dtp size increases       |
| 7407 | background color of a classifier is only shown in the last tab                   |
| 7403 | constant value are lost when they contain apostrophe                             |
| 7402 | disable instruction has no effect on a classifier                                |
| 7401 | tab_get_text\$ returns a no initialised string when the tab does not exist       |
| 7400 | in a classifier tab index can be set to 1  |
| 7399 | in a classifier tab_add_tab cannot add a tab without window linked               |
| 7397 | trap when click right on empty part of the menu bar                              |
| 7396 | control can be placed on the action bar  |
| 7395 | constant value is not saved when created as 'external resource'                  |
| 7394 | assertion in nswin 3401 when timer 177 is used                                   |
| 7393 | classifier is badly refresh when a window is moved upon it                       |
| 7392 | classifier : you should not be able to select a tab clicking right               |
| 7389 | Setpos is not working well.  |
| 7382 | cannot use verbs using files stored in c:\documents and settings\Mes documents   |
| 7381 | assertion when nstest is launched and you close your windows session             |
| 7379 | picture button : info about bitmaps are badly saved                              |
| 7377 | hot tracking does not work with push button used as bitmap                       |
| 7376 | in infobox of windows, 'use position and size' is truncated                      |
| 7374 | 'y' appears when warning 'non referenced variable' appears'                      |
| 7372 | Could not link if the path to lib file contains a white space                    |
| 7369 | month calendar is badly shown  |
| 7364 | icon of library disappears when drag and drop is cancelled                       |
| 7363 | only one available font to write a resource description                          |
| 7362 | sizes terminal font are not correctly sorted                                     |
| 7359 | limit : filename to save listbox is limited to 80 characters                     |
| 7330 | combo box scrolls down when it contains too many lines                           |
| 7325 | picture button : bitmap is not shown   |
| 7317 | item menu title can be written over their shortcut                               |
| 7313 | look XP : menu is badly displayed in applications                                |
| 7302 | treeview is badly painted when lock then unlock NT session                       |
| 7283 | error 15009 when execute sp_helpindex  |
| 7279 | isnum% does not work with some values  |

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| 7225 | Invalid sort order for key returned by NSMETA                                 |
| 7223 | cfg of a run time project are mentionned in update window                     |
| 7212 | core dump lors du wTerminate() sur AIX 4.3                                    |
| 7205 | using much times .list and .listwidth causes an assertion in nswin            |
| 7201 | XP : the system icon for a ns application is not the good one !               |
| 7200 | icon of a window is not shown in interpreted mode                             |
| 7198 | flw file is regenerated when build the library                                |
| 7196 | no error message when compile configuration based on a non existant library   |
| 7185 | trap in tool other when you add in a resource a file whose date is 01/12/2065 |
| 7173 | NWX_DISPOSE_DOCUMENT does not dispose all the memory                          |
| 7171 | nsw2dbmg.lib is not delivered   |
| 7162 | you exit from the application when a new cannot allocate memory               |
| 7161 | wrong comparison between 2 num  |
| 7148 | trap in GDI.EXE when a report contains arial and hevetica fonts               |
| 7144 | SHEET : the control is not refresh after a call to stv_settext                |
| 7141 | ALT F9 is the shortcut menu for Edit/search in OS2                            |
| 7138 | pointer ressources are not in bin and run directory in the workspace          |
| 7111 | listbox containing resource list is gray                                      |
| 7094 | NSWIN /p Id 1031on GetChildWindow% under OS2 /32bit                           |
| 7091 | cannot open file linked to a combobox   |
| 7085 | cleanup operation doesn't run when separator date <> '/' in the control panel |
| 7079 | combo 'connect to' is empty when a preview control is in a group box          |
| 7072 | Only the last line in deliver comment is recorded                             |
| 7060 | isnum% does not work with some values   |
| 7058 | cannot launch prstmgr.exe due to patch 7051                                   |
| 7057 | line to be added in sres3nk.ini   |
| 7047 | some fields in segments used for cycle APIs are not filled                    |
| 7046 | you cannot open 2 stores when oracle 8i is used                               |
| 7045 | Cannot create ressource in store when this store uses oracle 8i               |
| 7042 | cannot send email from the store  |
| 7040 | bad error message when error in wspmgr.ini                                    |
| 7037 | non explicit error message when specify a bad production store in prstmgr.ini |
| 7035 | locked field in upgrade to released window                                    |
| 7014 | Bad drawing of sheet tree box Title on horizontal scroll                      |
| 7011 | cleanup works bad when it is required twice                                   |
| 7008 | when 2 applications are launched (OS2), trap when one of them is closed       |
| 7003 | generation takes too much memory  |
| 7002 | trap in NSGPI 1176 when one allocates a bitmap to a control bitmap            |
| 6999 | build : warning when comment coded in 2 lines                                 |
| 6995 | a picture button without bitmap traps in nsw2wps when you disable it          |
| 6994 | F8 does not check some errors (e.g. if a%=0 and nothing after this)           |
| 6989 | compiler not found when path is greater than 255 chatacters                   |
| 6980 | resources of a project should not appear                                      |
| 6976 | mnu_getdata% returns 0  |
| 6964 | stv_insert changes the selection in the sheet tree box                        |
| 6958 | time\$(61200) returns 17: instead of 17:00:00                                 |
| 6954 | trap in nsdlg 464 when modify groupbox name and tabulations                   |
| 6952 | cannot change text for a menu item whose name is MDIWINDOW                    |
| 6946 | batch : system echo %path%>toto.txt truncates the path to 255 characters      |
| 6945 | lgetenv("PATH") truncates the path  |
| 6910 | tab_set_tab_colors paints tabs badly  |
| 6908 | time\$(61200) returns 17:: instead of 17:00:00                                |
| 6903 | ODBC : external name for class cannot exceed 18 characters                    |
| 6897 | link error on OS2 when using nspopup and nstooltip                            |
| 6891 | limit:a classifier control cannot contain more than 31 tabs                   |
| 6890 | illegal character (!) in sql_execstr  |
| 6888 | F_CREATE% on UNIX (AIX) : does not create the file if it already exists       |
| 6886 | character event : cannot detect release of key                                |
| 6881 | dynamic parameters for preview control have no effect                         |



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| 6859 | Run the same executable twice and close the last instance you get a Trap  |
| 6857 | some STV APIs are not exported in .lib file                               |
| 6838 | bitmap becomes squared when disabled, and its color changes               |
| 6829 | limit : you cannot add more than 16 user events                           |
| 6824 | Sort in library sheet is inverted when close a window                     |
| 6822 | description of global variables badly displayed when select 'Global' only |
| 6810 | menu separator is transformed as a blank line                             |
| 6809 | menu items are inverted   |
| 6780 | tooltip of a hidden control is shown                                      |
| 6770 | memory map appears when you call an asynchronous instruction              |
| 6769 | out parameters have bad values in asynchronous functions                  |
| 6737 | open combo with F4, then select a line with arrow keys then close         |
| 6736 | COMBO : bad behaviour with EXECUTED event and keyboard                    |
| 6733 | nsdb.ini should be pointed by environment variables ns db or nsdb         |
| 6732 | a transaction cannot contain another one with nsdbr when automatic key    |
| 6729 | combo as template:mouse pointer is hourglass;cannot modify selection      |
| 6719 | do not call a !new in a CDAM : it can provoke a TYPE MISMATCH             |
| 6718 | TYPE mismatch NSTST 542   |
| 6710 | cannot remove files whose name contains stresses or blanks                |
| 6708 | build : warning when comment coded in 2 lines                             |
| 6701 | SCROLL BAR : cannot specify a height < 39                                 |
| 6700 | sqlserver 7 : error when one inserts a record                             |
| 6699 | sqlserver 7 : warning when one opens the base                             |
| 6690 | EDITOR : a replace all does not replace the selected text                 |
| 6681 | TL_DCB : the 'select' verb selects always the second line                 |
| 6680 | AS/400 : F_READ% returns error 3025                                       |
| 6677 | limit : maximum size for a bitmap is 64ko                                 |
| 6676 | limit : REPORT:FATAL trap (copy_selection%) when copy a long text field   |
| 6668 | Trap in NSW2OR73 while closing database (page default in ORA73)           |
| 6661 | TEMPLATE UTILISATEUR : impossible de le bouger correctement               |
| 6652 | SHEET : flag% of stv_expand has no effect                                 |
| 6651 | report with MLE variable : carriage return are not available              |
| 6638 | Delivered API is not known anymore  |
| 6578 | trap in nsgpi 900 when use .text dynamic parameter for control bitmap     |
| 6577 | move hbm1% & "" & hbm2% & "" & hbm3% to CTRLBMP traps in NSBITMAP         |
| 6570 | SETTIMEFORMAT 0 does not respect the good format                          |
| 6569 | call to setsysshrmem crashes thingtux64.exe                               |
| 6559 | NEW : trap in NSMEMORY.PAS id:256 when quantity of memory > 1048597       |
| 6554 | CONTROL TEMPLATE : has a bad position when bigger than its window         |
| 6543 | SheetBox: Selected doesn't implement the ButtonUp if loses focus          |
| 6540 | listbox cannot contain more than 32767 lines                              |
| 6539 | SHEET : SHEET[i%] and selection% return bad value                         |
| 6538 | SHEET : LOAD instruction is too much slow                                 |
| 6537 | SHEET with > 32767 lines : trap when use vertical scroll bar              |
| 6518 | SHEET : multi selection does not work                                     |
| 6508 | Allocate more than 64KB with the NCL NEW ==> Error NSMEMORY               |
| 6502 | wrong focus with TAB control when several windows                         |
| 6492 | NsWIn /P Id 5808 5722 5174  |
| 6486 | When a variable is NULL, it cannot be changed to 0 and in conversaly      |
| 6482 | envstr does not work with 'windir' variable in 16 bits                    |
| 6469 | External representation : pb when 2 libraries have nearly the same        |
| 6467 | OCX in a window, in a MDI : the window is badly shown (menu, buttons)     |
| 6463 | changewidth/heigth should prevent from resizing tpl from its info box     |
| 6461 | template compilation stops  |
| 6451 | trap in nsw2db21 when connexion to the database server is broken          |
| 6438 | 'Search' in code edition window is not cyclic                             |
| 6435 | in a picture button bitmap 'disable' not seen when no 'enable' bitmap     |
| 6427 | width problem in extended template  |
| 6425 | GetTabControl traps when called in a windows containing templates.        |

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| 6412 | with tuxedo and HP11, data fetched are made round                       |
| 6410 | Cannot move the central button in a scroll when a control is behind it  |
| 6394 | cannot start tuxedo with oracle 8 in XA mode in Windows NT              |
| 6387 | SHEET : bad position when in a group box and when has 20 columns        |
| 6384 | SHEET : trap in NSCUST when collapse a no selected node                 |
| 6383 | message ""MAPI 00002, operation failure"" when blank char. in directory |
| 6380 | BATCH : when use a SYSTEM command in a batch, it does not work          |
| 6362 | cannot resize SHEET when a control is behind the sheet title            |
| 6353 | Error SQLEX 32206 when updating a instance twice referenced.            |
| 6350 | Editor : trap in ns02xmle when paste text from another editor           |
| 6339 | Assertion on uxticlib with Execprog and Nohup                           |
| 6335 | HELP and DIALOG BOX : crash when hits F1 on a dialog box                |
| 6308 | SHEET TREEBOX : info box values badly managed check/uncheck             |
| 6302 | Under NT we get assertion NSBITMAP.Id 419 (0x57A) with the new editor   |
| 6297 | String\$ doesn't work correctly with negative value (date <01/01/1900)  |
| 6270 | when you disable a picture button, its bitmap is ""grayed""             |
| 6241 | Problems with help files when the NS HELP variable is too long          |
| 6184 | MENU : Trap when use mnu_open when the mnu file does not exist          |
| 6182 | TEMPLATE : impossible to reduce its size after making it larger         |
| 6181 | SCROLL BAR : a scroll bar control disables system scroll bars           |
| 6084 | Can't change classifier color with SETFORECOL and SETBACKCOL            |
| 5735 | REP_PRINTSCREEN prints ""like a mirror"" with HP LASERJET 5 MP drivers  |
| 5386 | combo with entry : use of letter as accelerator                         |
| 4758 | CurrentDate doesn't work properly depending on UTC config on UNIX       |
| 1492 | Menu items with the option right side are not correctly saved           |

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