

## SmartLibrary 5.0 Buildcode Contents

### M260 – Creo Elements/Pro 5.0

| <b>M260 - 17.12.2010</b> | <b>Was</b> | <b>Beschreibung</b>  |
|--------------------------|------------|--|
| <i>SL50_M260_BUG_A</i>   | FIX        | If SMARTLibrary was used with Creo Elements/Pro 5.0 the error message PRO_TK_UNSUPPORTED was shown. This version now supports Creo Elements/Pro 5.0.   |
| <i>SL50_M260_BUG_B</i>   | FIX        | If no hole was selected in the Dowel Pin Dialog, Pro/ENGINEER crashes.   |
| <i>SL50_M260_BUG_C</i>   | FIX        | If both holes was selected in the Dowel Pin Dialog and the pin has no interference with one plate, then no hole was created in this plate.   |
| <i>SL50_M260_BUG_D</i>   | FIX        | If the bore type counterbore was selected in the Dowel Pin Dialog, and the holediameter (Ø1 or Ø2) was smaller than the dowel pin diameter, you could enter a bigger thru hole diameter than the counterbore diameter. In some cases Pro/ENGINEER crashes. |

### M250

| <b>M250 - 19.11.2010</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>  |
|--------------------------|-------------|---|
| <i>SL50_M250_BUG_A</i>   | FIX         | Error getting surfaces while assemble a screw connection on a point or axis, sometimes.                                 |
| <i>SL50_M250_BUG_B</i>   | FIX         | If the option USE_EXTERNAL_REFERENCE is set to NO an error occurs while assemble a screw connection again on a pattern. |
| <i>SL50_M250_BUG_C</i>   | FIX         | The layer status wasn't set back correctly while cutting parts.   |
| <i>SL50_M250_BUG_D</i>   | FIX         | Errors while change to Wildfire 4. The cut parameters has a "_T(" in the output text.                                   |
| <i>SL50_M250_BUG_E</i>   | FIX         | Compare normal parameters with bill of material parameters was case sensitive. Now this doesn't matter any longer.      |
| <i>SL50_M250_BUG_F</i>   | FIX         | Some bugs are fixed for the family table functionality for INCH parts.  |

| <b>M250 - 19.11.2010</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>   |
|--------------------------|-------------|--|
| <i>SL50_M250_BUG_G</i>   | FIX         | Getting the screw type failed sometimes in the SmartLibrary - Check Screw Connections Dialog.  |
| <i>SL50_M250_ENH_A</i>   | ENH         | New Option: CLEARANCE_HOLE_FIT_DEFAULT<br>Set the default value for the clearance hole in the screw dialog. The values CLOSE, FREE and MEDIUM are available.<br>New Option: CLEARANCE_HOLE_FIT_SELECT.<br>With this option you can decide if you want to select the default value for the clearance hole always (always) or only the first time (initial). |
| <i>SL50_M250_ENH_B</i>   | ENH         | The pattern button is disabled, if the option USE_EXTERNAL_REFERENCE is set to NO. Only "assemble on all points/axes" is enabled, even if the placement reference is a pattern.  |

## M241

| <b>M241 - 24.09.2010</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>  |
|--------------------------|-------------|---|
| <i>SL50_M241_BUG_A</i>   | FIX         | SmartLibrary sometimes failed checking if a hole exist or not, for very big assemblies. |

## M240

| <b>M240 - 28.06.2010</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>  |
|--------------------------|-------------|---|
| <i>SL50_M240_BUG_A</i>   | FIX         | New Option: SET_WINDOW_TOPMOST<br>The SmartLibrary windows disappear behind the Pro/ENGINEER window sometimes.  |
| <i>SL50_M240_BUG_B</i>   | FIX         | If a patter is defined over the middle of a I- or T-beam, the holes are not created sometimes.  |
| <i>SL50_M240_BUG_C</i>   | FIX         | If the Pro/ENGINEER option default_dim_num_digits_changes is set to NO, it isn't possible to place the screws on mousepick position.                          |
| <i>SL50_M240_BUG_D</i>   | FIX         | For mirrored parts all axes are in the mirrored feature. Therefore it isn't possible to select "assemble on all points/axes" for mirrored parts.              |
| <i>SL50_M240_BUG_E</i>   | FIX         | Up to now the holes are places with 9 decimal places. Now the holes are placed with the decimal places defined by the Pro/ENGINEER option default_dec_places. |

| <b>M240 - 28.06.2010</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>                           |
|--------------------------|-------------|--|
| <i>SL50_M240_BUG_F</i>   | FIX         | Crash on 64bit machines, if the button Autolenght is selected. |
| <i>SL50_M240_BUG_G</i>   | FIX         | For some pulldowns no scrollbar was shown.                     |
| <i>SL50_M240_ENH_A</i>   | ENH         | Changes in licensing. "License Borrow" is now supported.       |

## M210

| <b>M210 - 29.09.2009</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>   |
|--------------------------|-------------|--|
| <i>SL50_M210_BUG_A</i>   | FIX         | Error while creating instances, if there are more than 6000 files in the export directory. Then always two files for one instance are created.                 |
| <i>SL50_M210_BUG_B</i>   | FIX         | The warning "Hole in *.PRT not created. Part is not a member of assembly *.ASM." was shown incorrect, sometimes.   |
| <i>SL50_M210_ENH_A</i>   | ENH         | Now there are also surfaces from assembly material cuts are allowed as placement references for screws and pins. The holes are then created at assembly level. |

## M202

| <b>M202 - 07.08.2009</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>   |
|--------------------------|-------------|--|
| <i>SL50_M202_BUG_A</i>   | FIX         | Fixed an error in a message dialog.  |
| <i>SL50_M202_ENH_B</i>   | ENH         | Improved mechanism to check if a hole already exist.   |
| <i>SL50_M202_ENH_A</i>   | ENH         | With the environment variable <code>SL_USER_CONFIG_PATH</code> it is possible to define the path to the configuration folder. There is more than one path possible. Separate the paths with a semicolon. |

## M200

| <b>M200 - 06.08.2009</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>  |
|--------------------------|-------------|---|
| <i>SL50_M200_BUG_E</i>   | FIX         | If changing the pin type, some data is not updated correctly.   |
| <i>SL50_M200_BUG_D</i>   | FIX         | If the thread depth is equal to the bore depth and both values are equal to the plate thickness, then there was an error in the 2D-preview. |

| <b>M200 - 06.08.2009</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>   |
|--------------------------|-------------|--|
| <i>SL50_M200_BUG_C</i>   | FIX         | In the screw dialog values from 10.000 on are not fully visible. The edit fields are broadened.  |
| <i>SL50_M200_BUG_B</i>   | FIX         | If "Bore Type top" is deactivated an error occurs.   |
| <i>SL50_M200_BUG_A</i>   | FIX         | Regarding to dowel pin holes without external references.<br>If the position of the pin changes, holes which are added while redefining are not moved. One parameter wasn't saved for the new holes. |
| <i>SL50_M200_ENH_B</i>   | ENH         | Now it is possible to define the server name in the license.ini with an environment variable.<br>Example: HOSTNAME \$SERVER  |
| <i>SL50_M200_ENH_A</i>   | ENH         | If the HOL files for the dowel pin holes are not available, Pro/ENGINEER crashes. A new dialog with warnings is added.   |

## **M100 – Now as Lite Version**

| <b>M100 - 04.06.2009</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>  |
|--------------------------|-------------|---|
| <i>SL50_M100_BUG_A</i>   | FIX         | If a dowel pin connection is redefined the holes are not redefined sometimes.     |
| <i>SL50_M100_BUG_B</i>   | FIX         | If a dowel pin connection is redefined the wrong dowel pin is selected sometimes. |
| <i>SL50_M100_BUG_C</i>   | FIX         | Error in SL50_M060_BUG_D.   |

## **M060 – Now Pro/ENGINEER Family Table Parts can be used in SmartLibrary**

| <b>M060 - 06.08.2009</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>   |
|--------------------------|-------------|--|
| <i>SL50_M060_BUG_B</i>   | FIX         | If the placement surface one and two are in the same part. no countersunk hole can be created in part 1. |
| <i>SL50_M060_BUG_C</i>   | FIX         | The nut data are not updated if the pitch of the screw changes by selecting SUBINFO.                     |
| <i>SL50_M060_BUG_D</i>   | FIX         | If the option REPLACE_PARAM_BY_DIM_IN_NOTE is set to YES, an error occurs sometimes.                     |
| <i>SL50_M060_BUG_E</i>   | FIX         | Error in nut type 99 - preview changed.  |
| <i>SL50_M060_BUG_F</i>   | FIX         | The washers are set to inactive, if the nut type 99 was used.  |

| <b>M060 - 06.08.2009</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>   |
|--------------------------|-------------|--|
| <i>SL50_M060_BUG_G</i>   | FIX         | If ANGLE_LIMIT is less then 0 . 0 the surface need not to be selected.                                     |
| <i>SL50_M060_BUG_H</i>   | FIX         | If you use a family part, the sign ' # ' in the row P isn't supported anymore.                             |
| <i>SL50_M060_ENH_A</i>   | ENH         | Family parts can now be used in SmartLibrary. You only have to enter the according values in the DAT file. |

## **M054**

| <b>M054 - 16.05.2008</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b> |
|--------------------------|-------------|--------------------------------------|
| <i>SL50_M054_BUG_A</i>   | FIX         | Errors in SL50_M050_ENH_A.           |

## **M053**

| <b>M053 - 16.04.2008</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>                     |
|--------------------------|-------------|--|
| <i>SL50_M053_BUG_A</i>   | FIX         | Errors while creating a bill of material on the drawing. |

## **M052**

| <b>M052 - 09.04.2008</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>  |
|--------------------------|-------------|---|
| <i>SL50_M052_BUG_A</i>   | FIX         | The option PIN_REPLACE_PARAM_BY_DIM_IN_NOTE was not considered.                           |
| <i>SL50_M052_BUG_B</i>   | FIX         | If parameters in the hole note are replaced by dimensions the decimal places are not set. |
| <i>SL50_M052_BUG_C</i>   | FIX         | Errors while updating dowel pin holes.  |

## **M051**

| <b>M051 - 09.04.2008</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>  |
|--------------------------|-------------|---|
| <i>SL50_M051_ENH_A</i>   | ENH         | In some cases it will be better to assemble a screw or dowelpin connection on each position reference of a pattern instead of pattern the connection. This is now possible. Select in the dialog 'assemble on all points/axes' instead of 'Pattern screw connection'. |
| <i>SL50_M051_BUG_A</i>   | FIX         | Errors in getting the orientation surface for the square washers.   |

## M050 – Now Wildfire 4 is supported

| <b>M050 - 29.02.2008</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>  |
|--------------------------|-------------|---|
| <i>SL50_M050_ENH_A</i>   | ENH         | Now it is possible to create a screw connection with an i-beam. The screws can be placed on both sides of the beam, even if the placement reference (point/axis) is not symmetrically.  |
| <i>SL50_M050_ENH_B</i>   | ENH         | New Option: ANGLE_LIMIT<br>If the angle exceed this value, you where prompted to select an additional surface to define the direction of the screw connection. If ANGLE_LIMIT is less then 0.0°, always select the direction. |
| <i>SL50_M050_BUG_A</i>   | FIX         | If a screw connection with a cone counterbore is created, and a new screw is assembled later, the settings of the cone counterbore will be lost.  |
| <i>SL50_M050_BUG_B</i>   | FIX         | Some files, which are used by SmartLibrary, where not closed correctly.   |
| <i>SL50_M050_BUG_D</i>   | FIX         | PTC-Call: C5976484<br>Only Wildfire 4.0 - Workaround: Set the digits of the position dimensions to 10 digits.   |
| <i>SL50_M050_BUG_E</i>   | FIX         | If you open the Check Screw Dialog, and no screw is assembled, a warning was shown.   |
| <i>SL50_M050_BUG_F</i>   | FIX         | Error painting the wireframe preview of the new WASHERTYPE 40.  |
| <i>SL50_M050_BUG_G</i>   | FIX         | Getting the orientation plane for screws, nuts and washers don't work correctly.  |
| <i>SL50_M050_BUG_H</i>   | FIX         | If a screw, nut, washer or dowel pin was assembled with an orientation, this orientation was changed sometimes, when redefining the screw or dowel pin connection.  |

## M032

| <b>M032 - 18.12.2007</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>  |
|--------------------------|-------------|---|
| <i>SL50_M032_BUG_1B</i>  | FIX         | Error in SL500300_ENH_1B<br>All countersunk screws (SCREWTYPE 60 - SCREWTYPE 79) assembled backwards. |

## M031

| <b>M031 - 10.12.2007</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>                      |
|--------------------------|-------------|---|
| <i>SL500301_ENH_F</i>    | ENH         | Use the last option file if the working directory change. |

## M030

| M030 - 31.10.2007                | Type       | Fixed Issues and Enhancements   |
|----------------------------------|------------|---|
| <b>BUG FIXES</b>                 |            |   |
| <p><b>SL500300_BUG_A – 1</b></p> | <p>FIX</p> | <p><b>The thread diameter in some *.dat files was wrong and has been changed.</b><br/>           Full version: ../library/standardparts/nuts/mm/*<br/>           Patch version: ../library_update/standardparts/nuts/mm/*<br/>           din439f-04.dat; din439f-05.dat; din934f-6.dat; din934f-8.dat; din934f-10.dat; din971-8.dat; din971-10.dat;<br/>           din971-12.dat; din982f-6.dat; din982f-8.dat; din982f-10.dat; din1587x1-6.dat; iso8673-6.dat; iso8673-8.dat;<br/>           iso8673-10.dat; iso8674-8.dat; iso8674-10.dat; iso8674-12.dat; iso8675-04.dat; iso8675-05.dat; iso10512-6.dat;<br/>           iso10512-8.dat; iso10512-10.dat<br/>           Full version: ../library/standardparts/screws/mm/*<br/>           Patch version: ../library_update/standardparts/screws/mm/*<br/>           din580-c15.dat; din931-5_6.dat; din931-8_8.dat; din931-10_9.dat; din960-5_6.dat; din960-8_8.dat; din960-<br/>           10_9.dat; din961-5_6.dat; din961-8_8.dat; din961-10_9.dat; iso1580-4_8.dat; iso4014-5_6.dat; iso4014-<br/>           8_8.dat; iso4014-10_9.dat; iso8676-5_6.dat; iso8676-8_8.dat; iso8676-10_9.dat; iso8765-5_6.dat; iso8765-<br/>           8_8.dat; iso8765-10_9.dat</p> |
| <p><b>SL500300_BUG_A – 2</b></p> | <p>FIX</p> | <p><b>Units has been changed from millimeter Newton Second (mmNs) to millimeter, Kilogram, Second (mmKs).</b><br/>           ../configuration/data/screw/screw_*<br/>           screw_01.prt; screw_02.prt; screw_03.prt; screw_20.prt; screw_21.prt; screw_40.prt; screw_41.prt;<br/>           screw_60.prt; screw_61.prt; screw_81.prt; screw_82.prt<br/>           ../configuration/data/nut/nut_*<br/>           nut_01.prt; nut_02.prt; nut_03.prt; nut_04.prt; nut_20.prt;<br/>           Full version: ../library/archive<br/>           Patch version: ../library_update/archive<br/>           din125-1-b5.prt; din125-1-b6.prt; din125-1-b8.prt; hook50-m5.prt; hook50-m6.prt; hook50-m8.prt; hookws-50-<br/>           m5.asm; hookws-50-m6.asm; hookws-50-m8.asm<br/>           Full version: ../library/examples/asm-prt-drw<br/>           Patch version: ../library_update/examples/asm-prt-drw<br/>           hook.prt; hook_with_screws.asm</p>   |

| M030 - 31.10.2007         | Type | Fixed Issues and Enhancements   |
|---------------------------|------|---|
| <b>SL500300_BUG_A – 3</b> | FIX  | <p><b>The density was wrong and has been changed to 7.85e-06 kg/mm<sup>3</sup></b><br/>           ../configuration/data/screw/screw_*<br/>           screw_20.prt; screw_21.prt; screw_40.prt; screw_41.prt; screw_61.prt;<br/>           Full version: ../library/archive<br/>           Patch version: ../library_update/archive<br/>           hook50-m5.prt; hook50-m6.prt; hook50-m8.prt;<br/>           Full version: ../library/examples/asm-prt-drw<br/>           Patch version: ../library_update/examples/asm-prt-drw<br/>           hook.prt;</p> |
| <b>SL500300_BUG_A – 4</b> | FIX  | <p><b>New files were added</b><br/>           ../configuration/data/washer/washer_*<br/>           washer_40.dat; washer_40.gif; washer_40.prt; washer_40_detail.gif; washer_40_icon.gif<br/>           ../configuration<br/>           sl_tolerance.cfg<br/>           ../text/german/resource and ../text/usascii/resource<br/>           lib_updatecuts.gif<br/>           ../text/german and ../text/usascii<br/>           dia_sym_file.txt</p>  |
| <b>SL500300_BUG_A – 5</b> | FIX  | <p><b>Files has been changed from ProE 2001 to Wildfire 2</b><br/>           ../configuration/data/udf/surface_ref_csys.gph</p>   |
| <b>SL500300_BUG_A – 6</b> | FIX  | <p><b>The density and the units of all standardparts were checked</b><br/>           Full version: ../library/standardparts/*<br/>           Patch version: ../library_update/standardparts/*</p>   |
| <b>SL500300_BUG_B</b>     | FIX  | <p>If the option *_REPLACE_PARAM_BY_DIM_IN_NOTE is set to YES and the Pro/ENGINEER option DEFAULT_DEC_PLACES is set, the number of digits is changed to this value. The tolerance is lost, if the number of digits is set.</p>  |
| <b>SL500300_BUG_C</b>     | FIX  | <p>Sometimes in the screw dialog the preview of the screwtype 82 has errors.</p>  |
| <b>SL500300_BUG_D</b>     | FIX  | <p>Sometimes in the library dialog the preview image was not shown.</p>   |



| <b>M030 - 31.10.2007</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>   |
|--------------------------|-------------|--|
| <b>SL500300_BUG_E</b>    | FIX         | Sometimes if a assembly cut exists and a screw connection is assembled, Pro/ENGINEER runs into a crash.  |
| <b>SL500300_BUG_F</b>    | FIX         | Change the use of Pro/ENGINEER family tables.<br>Components with a family table but without a *.dat file can now be assembled using the normal ProE interface. Redefining with SmartLibrary is not possible in this case.  |
| <b>SL500300_BUG_G</b>    | FIX         | The holes of a screw connection where not changed, if an assembly cut exists.  |
| <b>SL500300_BUG_H</b>    | FIX         | The diagonals of the lock washer, shown in the 3D-preview, where shown in the wrong direction. The icons and images where updated too.   |
| <b>SL500300_BUG_I</b>    | FIX         | If the entry in the *.dat file for <i>CBSCR</i> or <i>CBNUT</i> was not found, the min. head diameter was selected. Now the first entry of the counterbore list is selected.   |
| <b>SL500300_BUG_K</b>    | FIX         | The button wheter cuts should be created or not was not recognized. Cuts where always created.   |
| <b>SL500300_BUG_L</b>    | FIX         | If a material cut is created, resume it to the generic part. Otherwise the cut was only shown in the assembly if a assembly cut exists.  |
| <b>SL500300_BUG_M</b>    | FIX         | If the option <i>USE_EXTERNAL_REFERENCES</i> is set to <i>NO</i> and a assembly cut exists, Pro/ENGINEER runs into a crash, if a screw- or dowel pin connection is assembled.  |
| <b>SL500300_BUG_N</b>    | FIX         | The option <i>SHOW_ICONS</i> was unaccounted. The icons in the lower right corner of the preview image were always shown in the library dialog.  |
| <b>SL500300_BUG_O</b>    | FIX         | Upper and lower case for holecharts will now be considered. Sometimes the threaddiameter was wrong, because SmartLibrary uses different sort order for holecharts then Pro/ENGINEER.<br>Now the holecharts will only be written when Pro/ENGINEER starts.                |
| <b>SL500300_BUG_P</b>    | FIX         | If you go to define a library component again, the order of the assembly references may change.  |
| <b>SL500300_BUG_Q</b>    | FIX         | In the bill of material on the drawing, the width of the first column can not be changed.  |
| <b>SL500300_BUG_R</b>    | FIX         | Sometimes the tip text was shown incorrect.  |
| <b>SL500300_BUG_S</b>    | FIX         | If you assemble a screw- or dowel pin connection on mouse position the placement references have to be in the same part as the first placement surface. Until now only the model but not the path was checked.   |
| <b>SL500300_BUG_T</b>    | FIX         | If a nut is assembled to a subassembly, the nut was not updated if the screw connection was redefined. Now if you redefine the screw connection, the nut and the washers will be deleted and assembled new. Replacing the components is not possible in the subassembly. |

| <b>M030 - 31.10.2007</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>  |
|--------------------------|-------------|---|
| <i>SL500300_BUG_U</i>    | FIX         | If a library component is assembled, all desired features are deleted. If not, there may be problems when regenerating the model.   |
| <i>SL500300_BUG_V</i>    | FIX         | An error occurs if cut quilts used for cutout where deleted with the SmartLibrary family table. Sometimes not all cut quilts are considered.  |
| <i>SL500300_BUG_W</i>    | FIX         | If the counterbore depth was changed in the screw dialog, the counterbore diameter was not updated.   |
| <i>SL500300_BUG_X</i>    | FIX         | If a dowel pin connection is redefined, the pattern status must not be changed, if the option <i>USE_EXTERNAL_REFERENCE</i> is set to <i>NO</i> .   |
| <b>ENHANCEMENTS</b>      |             |   |
| <i>SL500300_ENH_A</i>    | ENH         | New menu item: <i>Update quilts</i><br>Delete cuts created by library components and create them new.   |
| <i>SL500300_ENH_B</i>    | ENH         | New Option: <i>SET_DBLCLK_ACTION</i><br>Open or assemble the selected component.  |
| <i>SL500300_ENH_C</i>    | ENH         | Set the tolerance of dowel pin holes directly in the <i>Dowel Pin Dialog</i> . The values for the tolerances are listed in <i>... \configuration\sl_tolerance.cfg</i> .   |
| <i>SL500300_ENH_D</i>    | ENH         | User defined icons are now available for dowel pins too. BMP or GIF is possible. Add <i>_ICON</i> to the name of the dowel pin.<br>Example:<br>Dowel Pin Name: iso2338-h8-st.dat<br>Icon Name: iso2338-h8-st_icon.bmp   |
| <i>SL500300_ENH_F</i>    | ENH         | If the option file <i>sl_options.cfg</i> exist in the current working directory, the options are read from this file. So it is possible to set different options for different projects. If the working directory changes, SmartLibrary try to load the <i>sl_options.cfg</i> from the new directory. If the file exists, you were prompt whether to use it or not. |
| <i>SL500300_ENH_G</i>    | ENH         | New Option: <i>PROVIDE_LAST_REFERENCES</i><br>This option allows you to reuse the last selections if a component is assembled again. The endless loop must be stopped, using the <i>Cancel</i> button.  |
| <i>SL500300_ENH_H</i>    | ENH         | If a screw- or dowel pin connection is assembled, it is now always possible to use the normal Pro/ENGINEER zoom while placing the connection. The middle mouse button opens the dialog again. The right mouse button stops the loop.  |
| <i>SL500300_ENH_I</i>    | ENH         | Increase the dropped width of some combo boxes in the screw dialog.   |

| M030 - 31.10.2007 | Type | Fixed Issues and Enhancements   |
|-------------------|------|---|
| SL500300_ENH_K    | ENH  | Use <i>EVER</i> and <i>NEVER</i> in the <i>THREAD_SERIES</i> options.<br><i>EVER</i> create a hole even if a hole already exists.<br><i>NEVER</i> create a hole, even if there is no hole.  |
| SL500300_ENH_L    | ENH  | The error report has been revised.  |
| SL500300_ENH_M    | ENH  | Neue Optionen: <i>PATH_ABS_PROJECT_LIBRARY</i> und <i>USE_PROJECT_LIBRARY</i><br>It is now possible to use two different libraries. If the option <i>USE_PROJECT_LIBRARY</i> is set to <i>YES</i> , a new menu item <i>Insert/Open from project library</i> appears. The absolute path to the project library is written to <i>PATH_ABS_PROJECT_LIBRARY</i> . |
| SL500300_ENH_N    | ENH  | Add one choice to the option <i>SAVE_DRAWINGS</i><br>0 - Only load the drawing<br>1 - Load and save the drawing<br>2 - Do not load the drawing  |
| SL500300_ENH_O    | ENH  | If a library component is moved within the library, it is not possible to redefine or assemble the component again. Now you can select the new location using a dialog.   |
| SL500300_ENH_P    | ENH  | Add parameters to the cut quilts in the <i>Define Library Component Dialog</i> . If the name of the parameter exists, in the <i>*.dat</i> file, it is possible to add different parameters for different instances.   |
| SL500300_ENH_Q    | ENH  | Improve getting the distances for the dowel pin dialog. The surfaces on the end of a block, don't have to be parallel to the placement surface.   |
| SL500300_ENH_R    | ENH  | Now it is possible to select the number of a pattern in the <i>Define Library Component Dialog</i> .  |
| SL500300_ENH_S    | ENH  | Now screw connections can be placed on non parallel surfaces. You can set the direction of a screw connection using an additional surface.<br>For screw, nuts and washers the entry <i>ORIENT</i> can be added to the head of the <i>*.dat</i> file. Use this surface to orient the component.  |
| SL500300_ENH_T    | ENH  | Not the whole hole, only the axis is put on the layer <i>LAYERNAME_HOLE</i> .   |
| SL500300_ENH_U    | ENH  | <i>Pattern screw connection and assemble on all points/axes</i> is set as default.  |

| <b>M030 - 31.10.2007</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>   |
|--------------------------|-------------|--|
| <b>SL500300_ENH_W</b>    | ENH         | <p>New Option: SELECT_POS_REF</p> <p>If the option USE_EXTERNAL_REFERENCES is set to NO, a new option for placing screw and dowel pin holes is available.</p> <p>0 - Using an UDF like before.</p> <p>1 - The user selects the position references.</p> <p>2 - SmartLibrary tries to auto select the position references. If failed, see 1.</p>          |
| <b>SL500300_ENH_X</b>    | ENH         | <p>New options: SIZE_FORMAT_LWH and SIZE_FORMAT_DL</p> <p>With the option SIZE_FORMAT_LWH and the wildcards &lt;LENGTH&gt; &lt;WIDTH&gt; &lt;HEIGHT&gt; &lt;UNIT&gt; and with the option SIZE_FORMAT_DL and the wildcards &lt;DIASIGN&gt; &lt;DIAMETER&gt; &lt;LENGTH&gt; &lt;UNIT&gt; the output for the default parameter #SIZE can be configured.</p> |
| <b>SL500300_ENH_Y</b>    | ENH         | <p>New Option: SHOW_DETAIL_IMAGE.</p> <p>If this option is set to YES, the detail image is shown during assemble the component.</p>  |
| <b>SL500300_ENH_Z</b>    | ENH         | <p>New Option: BOM_SORT_FORMAT</p> <p>With this option the output for the default parameter #BOM_SORT can be configured. The wildcards &lt;IDNUM=x&gt; and &lt;PARAM=x&gt; can be used.</p>  |
| <b>SL500300_ENH_1A</b>   | ENH         | <p>New Option: BOM_SHOW_SUPPRESSED</p> <p>With this option set to YES, it is possible to show suppressed models in the Bill of Materials.</p>  |
| <b>SL500300_ENH_1B</b>   | ENH         | <p>For screws, washers, nuts and dowel pins more than one ID pair can be used to assemble this component. Enter the possible values in the lines for SURFACE, AXIS and optional ORIENT. The values has to be separated by tabulators.</p>  |

| <b>M030 - 31.10.2007</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>   |
|--------------------------|-------------|--|
| <i>SL500300_ENH_1C</i>   | ENH         | <p>It is possible to use a batch file to checkout components from another system like Intralink. Therefore some new options are available.</p> <p>BATCH_FILE_FOR_CHECKOUT</p> <p>Use a batchfile while loading a screw, nut, washer or dowel pin or not.</p> <p>BATCH_FILE_NAME</p> <p>The name of the batch file including the path</p> <p>BATCH_FILE_CHECKOUT_DIRECTORY</p> <p>The directory, the component is stored after checkout.</p> <p>BATCH_FILE_OPTION</p> <p>0 - load component from checkout directory<br/> 1 – copy component to the current working directory after checkout<br/> 2 - move component to the current working directory after checkout (delete it in the checkout directory)</p> |

## M027

| <b>M027 - 11.05.2007</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>  |
|--------------------------|-------------|---|
| <i>SL50M027_BUG_A</i>    | FIX         | It was not possible to use the new SmartHolechart versions with the old SmartLibrary version. |

## M026

| <b>M026 - 07.05.2007</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>   |
|--------------------------|-------------|--|
| <i>SL50M026_BUG_A</i>    | FIX         | When SL search for a value, the tolerance to fit the value was 0.005. In some case this tolerance is not fine enough. Change this value to 0.0001. |
| <i>SL50M026_BUG_A</i>    | FIX         | Pro/ENGINEER crashes if the files for the pin holes where not found.   |

## M024

| <b>M024 - 05.02.2007</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>   |
|--------------------------|-------------|--|
| <i>SL50M024_A</i>        | FIX         | Reassemble a library component with Pro/ENGINEER user interface ends in an endless loop. |

## M023

| <b>M023 - 16.01.2007</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b> |
|--------------------------|-------------|--------------------------------------|
| <i>SL50M023_A</i>        | FIX         | Error reading UDF in EFX.            |

## M022

| <b>M022 - 14.11.2006</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>                             |
|--------------------------|-------------|--|
| <i>SL50M022_A</i>        | FIX         | Delete library components improved.                              |
| <i>SL50M022_B</i>        | FIX         | Enable cutout surfaces for library components in sub-assemblies. |

## M021

| <b>M021 - 06.11.2006</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>             |
|--------------------------|-------------|--|
| <i>SL50M021_A</i>        | FIX         | Can not open online help with firefox and opera. |

## M020

| <b>M020 - 20.09.2006</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>  |
|--------------------------|-------------|---|
| <i>SL50M020_A</i>        | ENH         | Allow instances with the same size for the screw and dowelpin connections in one *.dat file. The instancename must be unique. Add the information in a column specified in the top of the *.dat file (e.g. SUBINFO MATERIAL). If no column is specified, the instance name will be shown in the dialog. |
| <i>SL50M020_B</i>        | ENH         | new option: LAYERNAME_*<br>Define the SmartLibrary layer names.   |
| <i>SL50M020_D</i>        | ENH         | new option: ENTER_DISTANCE_VALUES<br>After assemble a screw- or dowel pin connection on a selected mouse pick position, enter the distance values.  |
| <i>SL50M020_E</i>        | FIX         | Error when assemble a screw or dowel pin connection on a selected mouse pick position, if the part has an assembly cut.   |

## M010

| <b>M010 - 14.09.2006</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b>  |
|--------------------------|-------------|---|
| <i>SL50M010_B</i>        | FIX         | If the Pro/ENGINEER part for the SmartLibrary standardparts (screw, nut, washer or dowel pins) was not in the library, then this parts was ignored. |
| <i>SL50M010_C</i>        | FIX         | Error creating UDF.   |
| <i>SL50M010_D</i>        | FIX         | Some messages in the 'Check Screw Connections Dialog' were not translated.  |

## F000 – Main Release

| <b>F000 - 10.08.2006</b> | <b>Type</b> | <b>Fixed Issues and Enhancements</b> |
|--------------------------|-------------|--------------------------------------|
| -                        | -           | English documentation only           |