Property AMPMHeadings : TStrings
applies to <u>TpvlTimeEdit</u> <u>TpvldbTimeEdit</u>
This stringlist holds alternate captions for the AM and PM Buttons on the dropdown clock.
Only the first 2 will be used.
If ther is no coresponding entry the the defaults of AM and PM will be used.

property Alignment: TCalcAlignment
applies to TpvlCalcEdit, TdpvldbCalcEdit
This determins how the number is aligned to the edit control.
caLeft : The Number is left aligned
caRight : The Number is right aligned
caMixed :: The Number is left aligned when editing but right aligned when there is no focus.

Bug Reports

All efforts will be made to fix a bug as quickly as possible but I can only do that if it can easily be reproduced. In the event of you finding a bug, see if you can reproduce it in a simple piece of code and email me that code including the DFM file with a description of the bug. As soon as the bug is fixed you will be sent an intermediate version with the bug fix.

Email : peterv@global.co.za

property CalendarColors : TpvlGridColors

applies to TpvlDateEdit, TpvldbDateEdit

This property determins how the dropdown calendar will be colored.

property CalendarFont : TFont

applies to <u>TpvlDateEdit</u>, <u>TpvldbDateEdit</u>

This is the font that is used in the dropdown calendar.

property Date : TDateTime (Runtime)
applies to <u>TpvlDateEdit</u>, <u>TpvldbDateEdit</u>
This property allows you to set the date directly at runtime.

property Day : word
applies to <u>TpvlDateEdit</u>, <u>TpvldbDateEdit</u>
This allows you to set the day portion of the date.(It will only be loaded at runtime if <u>LoadDate</u> is true)

property DayHeadings : TStrings

applies to TpvlDateEdit, TpvldbDateEdit
This is a list of days for the headings in the calendar.
They must start from Sunday irrespective of the StartOfWeek property

If they are not set then the value of ShortDayNames for that day will be used.

property Decimals : SmallInt

applies to TpvlCalcEdit,TpvldbCalcEdit

This determins how many decimals get displayed.

property DisplayFormat : TDateDisplayFormat
applies to TpvlDateEdit, TpvldbDateEdit, TpvlTimeEdit, TpvldbTimeEdit
This determins how the date/time gets displayed when the control isn't the activecontrol.
If set to dfLong it will use the windows long date/timeformat.
If set to dfShort it will use the windows short date/timeformat.
If set to dfCustom it will use the format given in DisplayFormatMask

property DisplayFormatMask : String

applies to TpvlDateEdit, TpvldbDateEdit, TpvlTimeEdit, TpvldbTimeEdit, TpvlCalcEdit, TpvldbCalcEdit

This is the mask that will be used when DisplayFormat is set to dfCustom (caCustom for CalcEdits)

property DisplayFormat : TCalcDisplayFormat
applies to TpvlCalcEdit, TpvldbCalcEdit
This determins how the Number gets displayed when the control isn't the activecontrol.
If set to cfNumber it will use the %n format.
If set to cfCustom it will use the format given in DisplayFormatMask

property EditFormat : TpvlDateEditFormat

applies to TpvlDateEdit, TpvldbDateEdit

This determins how the date gets displayed when the control is the activecontrol.

If set to dfShort it will use the windows short dateformat.

If set to dfCustom it will use the format given in EditFormatMask

Notes

1)Although this control handles date formats without dateseparators. The year must either be last or a 4 digit year must be specified.

e.g. YYMMDD - Invalid
      DDMMYY - valid
      YYYYMMDD - valid.

2) You may not enter a edit format that accepts text.

property EditFormatMask : String

applies to <u>TpvlDateEdit</u>, <u>TpvldbDateEdit</u>
This is the mask that will be used when <u>EditFormat</u> is set to dfCustom.

Note Although this control handles date formats without dateseparators. The year must either be last or a 4 digit year must be specified.

e.g. YYMMDD - Invalid
       DDMMYY - valid
       YYYYMMDD - valid.

Edtool - Editing components for Delphi

Edtool is a collection of 11 Different editing components for Delphi 32 Bit.
Unfortunately no 16 bit version exists because of a few required API calls which were only introduced in Win32.
Note if you were using the TpvlDateEdit Components prior to version 2 see <u>version history</u> for important differences

<u>Installation Instructions</u>

Components included in Edtool :

<u>TpvlDualSpeedButton</u> : Derived from TSpeedbutton but registers both left and right clicks

<u>TpvlSpeedButton</u> : Derived from TSpeedbutton but will repeat clicks while the mouse stays down.

<u>TpvlClock</u> :An analogue clock component.

<u>TpvlMoreEdit</u> : An editbox with a button built into the right edge typically used for more information

<u>TpvlDateEdit</u> : A Date editbox with a dropdown calendar

<u>TpvlCalcEdit</u>: A Numerical editbox with a dropdown calculator

<u>TpvlTimeEdit</u> : A Time editbox with a dropdown clock.

<u>TpvldbMoreEdit</u> : A Data aware version of TpvlMoreEdit

<u>TpvldbDateEdit</u>: A Data aware version of TpvlDateEdit

<u>TpvldbCalcEdit</u>: A Data aware version of TpvlCalcEdit

<u>TpvldbTimeEdit</u> : A Data aware version of TpvlTimeEdit

property Glyph : TBitmap

applies to
TpvlMoreEdit,TpvldbMoreEdit,TpvlDateEdit,TpvldbDateEdit,TpvlCalcEdit,TpvldbCalcEdit,TpvlTimeEdit,TpvldbTimeEdit

This property determins what gets shown on the button in the box
the default is **...** for TpvlMoreEdit and TpvldbMoreEdit while it is ▼ (OBM_COMBO) for the others.

property HighlightDays : set of [Sun..Sat]

applies to TpvlDateEdit, TpvldbDateEdit

These are the days that are shown in a highlight color.

Default [Sun,Sat]

Property Hour : Word
applies to TpvlTimeEdit, TpvldbTimeEdit
This allows you to set the hour portion of the time.(It will only be loaded at runtime if LoadTime is true)

How to obtain the source code

The Source code to Edtool is available directly from the author at a cost of US $10.00 for this you will receive the source to all future versions of Edtool (including intermediate bug fix releases) due to the price the source can only be distributed via the WWW.

NB Please include a note with a contact email address with all cheques.
It's often quite difficult to reconcile personal email addresses with company cheques.

The author can be contacted at

E-mail :
peterv@global.co.za

Postal Services (Snail Mail) :
P van Lonkhuyzen
PO Box 1041
Randpark Ridge
2156
South Africa

Property ImpliedCenturyStart : word

applies to TpvlDateEdit, TpvldbDateEdit

This determins how to handle the century if only a 2 digit year is supplied.

If set to 0 then the current century will be added

If set to anything else then the implied century will start at that year

e.g. if set to 1980 then the following will occur

      80 will be read as 1980

      00 will be read as 2000

      79 will be read as 2079

This has no effect if the user enters a 4 digit year.

Installation Instructions
Note if you were using the TpvlDateEdit Components prior to version 2 see <u>version history</u> for important differences

If you are using Delphi 3.xx Please first copy *.DC3 to *.DCU

If you are using the source versions and wish to retain the old names
1) copy edtool.ocr to edtool.dcr
2) copy dbedtool.ocr dbedtool.dcr
3) edit edtool.inc and add change the line
{.DEFINE NOPVL}
to
{$DEFINE NOPVL}

To Install the Non data-aware Components
1. Choose the Install option from the component menu.
2. Press the Add Button
3. Select EDTOOL.DCU (EDTOOL.OBJ for C++ Builder) changing the path if neccesary.
4. Press OK Twice.
5. The components are now installed onto Peter's Components tab of the component selector.

To Install the data-aware Components
1. Choose the Install option from the component menu.
2. Press the Add Button
3. Select DBEDTOOL.DCU (DBEDTOOL.OBJ for C++ Builder) changing the path if neccesary.
4. Press OK Twice.
5. The components are now installed onto Peter's Components tab of the component selector.

To Install the Component Help Delphi 2.xx/C++ Builder
(These instructions assume that your copy of Delphi is installed in C:\DELPHI
 If not adjust the paths accordingly)
1. Copy EDTOOL.KWF to C:\DELPHI\HELP.
2. Copy EDTOOL.HLP to C:\DELPHI\BIN.
3. Run HELPINST from your delphi folder.
4. Use.FILE|OPEN to open C:\DELPHI\BIN\DELPHI.HDX.
5. Use KEYWORDS|ADD KEYWORD FILE to add C:\DELPHI\HELP\EDTOOL.KWF.
6. Use FILE|SAVE to Compile and save the new HDX file.
7. Online help is now installed.

To Install the Component Help Delphi 3.xx
(These instructions assume that your copy of Delphi is installed in C:\PROGRAM FILES\BORLAND\ DELPHI 3
 If not adjust the paths accordingly)
1. Load C:\PROGRAM FILES\BORLAND\DELPHI 3\HELP\DELPHI3.CFG in the notepad
2. Add a Link statement help file to the "Third-Party Help" section of DELPHI3.CFG.
:Link :Link EdTool.hlp
3. Use FILE|SAVE to safe the new cfg file
4 Delete the hidden file DELPHI3.GID (**This is the portion Borland forgot to tell us**)
    cd "C:\PROGRAM FILES\BORLAND\DELPHI 3\HELP"
    attrib -h Delphi3.GID
    del Delphi3.GID
5. Online help is now installed.

property InvalidDays : Set of [Sun..Sat]
applies to TpvlDateEdit, TpvldbDateEdit
These are the days that can't be selected.
Default []

Function LastMinuteSeg : Integer
applies to TpvlClock
This returns the last minute that was clicked (0..59)

Function LastTime : TDateTime

applies to TpvlClock
This returns what time was clicked on last.

Function LastWithinHourHand : Boolean

applies to <u>TpvlClock</u>

This will return true if the last click was within the hour hand circle.

Function LastXY : TPoint

applies to <u>TpvlClock</u>

Get the last point clicked on the clock.

property LoadDate : Boolean
applies to TpvlDateEdit, TpvldbDateEdit
This determins if Day,Month,Year get loaded when the component is loaded.

Property LoadTime : Boolean

applies to TpvlTimeEdit TpvldbTimeEdit

This determins if Hour,Mins and Secs get loaded when the component is loaded

property Max : Double/TDateTime
applies to TpvlCalcEdit,TpvldbCalcEdit Runtime Only in TpvlDateEdit, TpvldbDateEdit
This sets the minimum alowable Value/Date
if both Min and Max are 0 then no restrictions apply.

property MaxDay : word
applies to TpvlDateEdit, TpvldbDateEdit
This allows you to set the day portion of the Max Date.

property MaxMonth : word
applies to <u>TpvlDateEdit</u>, <u>TpvldbDateEdit</u>
This allows you to set the month portion of the <u>Max</u> Date.

property MaxYear : word
applies to TpvlDateEdit, TpvldbDateEdit
This allows you to set the year portion of the Max Date.

property Min : Double/TDateTime

applies to TpvlCalcEdit,TpvldbCalcEdit Runtime Only in TpvlDateEdit, TpvldbDateEdit
This sets the minimum alowable Value./Date
if both Min and Max are 0 then no restrictions apply.

property MinDay : word

applies to TpvlDateEdit, TpvldbDateEdit

This allows you to set the day portion of the Min Date.

property MinMaxHandler : TMinMaxHandler

applies to TpvlCalcEdit,TpvldbCalcEdit, TpvlDateEdit, TpvldbDateEdit

This Property determins what happens when the value falls outside the Min/Max Range.

TmmAdjust : The component will silently adjust the value.

TmmException : The Component will raise an ERangeError Exception.

TmmDialog : The Component will display a messagebox of type mtError containing a formatted form of MinMaxString.

TmmEvent : The Component will trigger an OnMinMaxError event.

property MinMaxString : String

applies to <u>TpvlCalcEdit</u>,<u>TpvldbCalcEdit</u>,<u>TpvlDateEdit</u>,<u>TpvldbDateEdit</u>
This property determins what gets displayed if the <u>value</u>/<u>Date</u> falls outside <u>Min</u> / <u>Max</u> and <u>MinMaxHandler</u>
is set TmmDialog.

In the TpvlCalcEdit controls
This is a formatting string which gets passed to the Format function with 4 float parameters in the
following sequence Min, Max, Newvalue , Value for more information see the VCL help on Format Strings.

These following examples assumed that min=0 max=100 and that the user entered 300

'The value should be between %.0f and %.0f'   becomes
'The value should be between 0 and 100'

You have entered %2:f this is changed to %3:f   becomes
You have entered 300.00 this is changed to 100.00

In the TpvlDateEdit controls
This is a formatting string which gets passed to the Formatdatetime function with the attempted date as
the parameter, for more information see the VCL help on FormatDateTime.

property MinMonth : word
applies to TpvlDateEdit, TpvldbDateEdit
This allows you to set the month portion of the Min Date.

property MinYear : word
applies to TpvlDateEdit, TpvldbDateEdit
This allows you to set the year portion of the Min Date.

Property Mins : Word
applies to TpvlTimeEdit, TpvldbTimeEdit
This allows you to set the minutes portion of the time.(It will only be loaded at runtime if LoadTime is true)

function MinuteSegfromPoint(p : TPoint) : Integer

applies to <u>TpvlClock</u>
This function will return the minute (0..59) that sits on a given point

property Month : word

applies to TpvlDateEdit, TpvldbDateEdit

This allows you to set the month portion of the date (It will only be loaded at runtime if LoadDate is true).

property MonthHeading : String
applies to TpvlDateEdit, TpvldbDateEdit
This is the the string that appears on the month up and down buttons on the dropdown calendar.

If left blank **"Mth"** will be used

Glyph

property NullDay : word

applies to TpvlDateEdit, TpvldbDateEdit

This allows you to set the day portion of the Null Date.(It will only be loaded at runtime if UseNullDate is true)

property NullMonth : word
applies to TpvlDateEdit, TpvldbDateEdit
This allows you to set the month portion of the Null date (It will only be loaded at runtime if UseNullDate is true).

property NullYear : word
applies to TpvlDateEdit, TpvldbDateEdit
This allows you to set the year portion of the null date.(It will only be loaded at runtime if UseNullDate is true)

property OnButtonClick : TNotifyEvent
applies to TpvlMoreEdit,TpvldbMoreEdit
This event gets fired when the button of the control gets clicked using the left mouse button.

event OnDateChanged : TNotifyEvent

applies to TpvlDateEdit, TpvldbDateEdit

This event gets trigerred whenever the date property changes.

Its prefereable to use this event over the onchange event as it doesn't get triggered when you drop down the calendar and the text changed due to the different formats.

event OnMinMaxError : TMinMaxEvent
applies to <u>TpvlCalcEdit</u>,<u>TpvldbCalcEdit</u>
event OnMinMaxError : TMinMaxDateEvent
applies to <u>TpvlDateEdit</u>,<u>TpvldbDateEdit</u>
This event gets triggered if the <u>value</u>/<u>Date</u> falls outside <u>Min</u> / <u>Max</u> and <u>MinMaxHandler</u> is set to
TmmEvent.

Parameters
Sender this is the object that triggered the event.
Newvalue : This is the value the user tried to enter
min,max : These are the current settings of min and max.
Value : This is the default new value for the component.

property OnRButtonClick : TNotifyEvent

applies to <u>TpvlMoreEdit</u>,<u>TpvldbMoreEdit</u>

This event gets fired when the button of the control gets clicked using the right mouse button.

property OnRClick:TNotifyEvent

applies to TpvlDualSpeedButton

This Event gets fired whenever the right mouse button is clicked over the control.

event OnValueChanged : TNotifyEvent
applies to TpvlCalcEdit, TpvldbCalcEdit
This event gets trigerred whenever the Value property changes.
Its prefereable to use this event over the onchange event as it doesn't get triggered when you use the calculator and the text changed due to the partial calculations.

property OnWantForm : TWantFormEvent
applies to TpvlMoreEdit, TpvldbCalcEdit, TpvlDateEdit,TpvldbDateEdit, TpvlTimeEdit, TpvldbTimeEdit
This event gets triggered when the button gets pressed using the left mouse button.
If you pass it back a form in Subf then that form will be shown modal and will be aligned alongside the
control. The control will dispose of the form when it is released;

Note : If used with Calc,Date and Time edits the the default Calendar/Calculator or clock will be disabled,
in the case of the calculator this also means that it will stop responding to /+* as well as to - if it isn't the
first character.
It is also the function of the new form to update the Date/Time or Value property respectively

property QuickChangeType : TQuickChangeType
applies to TpvlDateEdit, TpvldbDateEdit ,TpvlTimeEdit; TpvldbTimeEdit
This determins the behaviour of the + and - keys in the editing block

qcNone :		The keys have no effect
qcWhole :		The keys go to the previous/next day
qcSection :		The keys increment the section e.g the month.
		This option uses the QuickChangeWrap property to determin what to do if the section wraps.

Notes :
1. Beware when using this option that some international forms of dates could use the - as the date separator. then the alternate decrementer will be 'M'.
2. If there is no dateseparator then qcSection will act as qcWhole.

property QuickChangeWrap : Boolean

applies to <u>TpvlDateEdit</u>, <u>TpvldbDateEdit</u>, <u>TpvlTimeEdit</u>; <u>TpvldbTimeEdit</u>

This Property only has an effect when QuickChangeType has the value of qcSection.

If false then the section will start over without affecting the other sections when the section's maximum is reached.

If true it will change the value of the next section when the section's maximum is reached.

e.g. if the date is 12 Dec 1997 and the active section is the month then + will change the date to 12 Jan 1998 if his property is true while the date will become 12 Jan 1997 if this property is false.

procedure RClick

applies to <u>TpvlDualSpeedButton</u>
This simulates a right mouse button click on the button.

Restrictions on use

There are no restrictions placed on the use of Edtool in compiled DCU format or linked into an EXE or DLL..

The <u>source code</u> is licenced to the purchaser to use in any of his/her development but remains copyrighted to P van Lonkhuyzen and may not be distributed in to any other parties without the written permission of P van Lonkhuyzen.

If you don't wish to get the <u>source code</u> you are still encouraged to send me an email with suggestions or even just to tell me that you're using it. (That way I can show my wife that these late nights are not spent in vain) in return you will be notified of all future versions of the component.

email : peterv@global.co.za

Property Secs : Word

applies to <u>TpvlTimeEdit</u>, <u>TpvldbTimeEdit</u>

This allows you to set the Seconds portion of the time.(It will only be loaded at runtime if <u>LoadTime</u> is true)

property SeparateHourHand : Boolean
applies to TpvlTimeEdit, TpvlDbTimeEdit
If true clicking within the Hour Segment on the dropdownclock only the hour hand will move
If false the hour hand will move to the clicked spot an the minute hand will move to the correct position.

property StartOfWeek : Sun..Sat

applies to TpvlDateEdit, TpvldbDateEdit
This holds the left most day in the dropdown calendar.
Default Sun

Note in versions prior to version 2.0 this was 0..6 where 0 = sunday and 6 = saturday.
Unfortunately the Delphi streaming can't handle this change and will stop loading all components on the
form. To Fix this edit the form i.e. load the DFM file into the editor and delete the line
StartOfWeek = xxx where xxx is 0..6. Save the file and all is fine again.

TCalcAlignment =(caLeft,caRight,caMixed)

TCalcDisplayFormat = (cfnumber,cfCustom)

Class TClockStyle
This class defines the visual appearence of the clock.

Properties
BackgroundColor : TColor; The colour of the clock face **default** clBtnFace.
HandsColor : TColor; The colour of the minute and hour hands **default** clRed.
MajorColor : TColor; The colour of the major markings (1..12) **default** clWhite.
LineColor : TColor; The colour of all other lines **default** clBlack.
ShowSeconds : Boolean; Determins the visibility of the second hand **default** False.
ShowCircle : Boolean; If True a circle is drawn around the clock **default** False.
ShowMinor : Boolean; If True the minor ticks are visible default False

TDateDisplayFormat = (dfLong,dfShort,dfCustom)

OnDateChanged
OnMinMaxError
OnWantForm

<u>OnRClick</u>:

```
TMinMaxDateEvent = procedure(Sender: TObject;Newvalue,min,max : extended;var Value : Extended) of
object
```

TMinMaxhandler = (TmmAdjust,TmmException,TmmDialog,TmmEvent)

```
TQuickChangeType = (qcNone,qcWhole,qcSection);
```

TTimeEditFormat = (teIncludeSecs,teExcludeSecs)

```
TWantFormEvent = procedure(Sender: TObject;var Subf : Tform) of object
```

property Time : TDateTime (Runtime)
applies to <u>TpvlClock</u> ;<u>TpvlTimeEdit</u>, <u>TpvldbTimeEdit</u>
This property allows you to set the time directly at runtime.

function Timefrompoint(p : TPoint) : TDateTime
applies to TpvlClock
This will calculate at what time a point is situated.

class TpvlCalcEdit/TpvldbCalcEdit

TpvlCalcEdit is a numeric editor that has a dropdown calculator.

the calculator will be invoked by pressing the button on the control or by pressing +,-,/,*

OnValueChanged
OnMinMaxError
OnWantForm

⊕Class TpvlClock

TpvlClock is a configurable component for displaying time in an analogue method.

class TpvlDateEdit/TpvldbDateEdit

<u>new properties</u>   <u>new events</u>

TpvlDateEdit is a date editor with a dropdown calendar.

It also handles implied centuries so that the year 2000 can be entered as 00 for more information on this see <u>ImpliedCenturyStart</u>

TpvlDateEditFormat = dfShort..dfCustom

class TpvlDualSpeedButton

This component is derived from TSpeedButton and all the existing properties still remain.

There is just one new event OnRClick which gets triggered whenever the right mouse button gets clicked on the control.

The main reason for this component's existence is that it is included in all the other components in edtool

Class TpvlGridColors

This holds the appearence properties of the dropdown calendar grid.

CalColor : This is the background color of the Calendar Grid. **Default clWhite**
HighlightColor : This is the color of days that are highlighted. **Default clRed**
InvalidColor : This is the color of days that may not be selected. **Default clBlue**
NormalColor : This is the standard color of the dates in the calendar grid. **Default clBlack**
TodayColor : This is the color of the circle around todays date if showtoday is true. **Default clRed**
ShowToday : This determins if the current system date is circled.**Default True**

Class TpvlMoreEdit/TpvldbMoreEdit

<u>New Properties</u>   <u>New Events</u>

TpvlMoreEdit is a multipurpose editor that contains a button on the righthand side to denote that more information is available.

When the Button gets pressed the <u>Onwantform</u> Event gets fired where yo can give the editor a form to display modaly. The form will be aligned to the control. and will be destroyed when it gets released.

Class TpvlSpeedButton

This component is derived from TSpeedButton and all its properties remain unchanged.
The only change is that it will repeat clicks while the mouse stays down.

The main reason for this component's existence is that it is included on the date and time forms.

Class TpvlTimeEdit/TpvlDbTimeEdit

<u>new properties</u>   <u>new events</u>

TpvlTimeEdit is a Time editor with a dropdown clock.

The Dropdown Clock has a clickable face to change the time.

property UseNullDate : Boolean

applies to TpvlDateEdit, TpvldbDateEdit

This property allows a date to be interpreted as a null date.

The date that gets used can be set using the NullYear, NullMonth and NullDay Properties

property Value : Double
applies to TpvlCalcEdit,TpvldbCalcEdit
This contains the current value.
It must fit the restrictions of Min and Max

Version History

Ver 2.10

Added SeparateHourHand to change the faceclick in TpvlTimeEdit

Published OnWantForm event in TpvlTimeEdit,TPvlCalcEdit and TPvlDateEdit to allow for custom calculators,calendars etc.

Added CalColor to Calendarcolors to allow for the calendar background to be changed

Ver 2.00a

Minor change to allow the IDE break on exception to work better by preempting certain handled exceptions.

Ver 2.00

Added Support for C++Builder

Added TpvlTimeEdit and TpvldbTimeEdit

These are Time Editors with a Dropdown clock

Added TpvlClock

This is a clickable analogue clock face component.

Added TpvlspeedButton

This is a auto repeating button

TpvlCalcEdit

Added DisplayFormat and DisplayFormatMask Properties To Customise the non focused display.

Added the Alignment Property do handle the aligment of the number

TpvlDateEdit

Added the CalendarColors property to taylor the look if the dropdown calendar

Added the InvalidDays Property to exclude certain weekdays of being selected.

Added HighlightDays Property to display weekends etc.

Changed the StartofWeek property from 0..6 to Sun..Sat

Note in versions prior to version 2.0 this was 0..6 where 0 = sunday and 6 = saturday.

Unfortunately the Delphi streaming can't handle this change and will stop loading all components on the form after your first TDateEdit. To Fix this edit the form i.e. load the DFM file into the editor and delete the line StartOfWeek = xxx where xxx is 0..6. Save the file and all is fine again.

TpvldbXXX

Fixed bug where readonly would allow editing via keyboard causing a Dataset not in editing mode exception.

Ver 1.05

All Controls are now renamed to Tpvlxxxx due to conflicting names with a number of other component sets.

Source code users have the option to retain the old names by setting the {$define NOPVL} in the edtool.inc file.

TpvlCalcEdit

Fixed the bug where pressing DEL on an empty calculator would cause an access violation.

Ver 1.04

TpvlDateEdit

Disallowed dfLong in EditFormat

Added MinMaxHandler, MinMaxString,MinDay,MinMonth,MinYear,Min,MaxDay,MaxMonth,MaxYear,max properties and OnMinMaxError event to customise the handling of input range errors.

TpvlCalcEdit

Fixed problem with loading min & max

TxxxxEdit

Changed the ancestor to TCustomMaskedEdit instead of TCustomEdit.

TpvlDateEdit/TpvlCalcEdit

Published the Glyph property.

Ver 1.03

TpvlDateEdit

Implemented Null Dates using <u>UseNullDate</u>, <u>NullDay</u>, <u>NullMonth</u> and <u>NullYear</u> Properties

Ver 1.02

TpvlDateEdit

Fixed problem where <u>LoadDate</u> is set to true and the current month doesn't allow the value of <u>Day</u>   which gets loaded before <u>Month</u>.

Added auto repeat to the buttons in the calendar dialog.

TDbXXXXEdit

Fixed problem with ReadOnly at design time when no table has been assigned or is active.

Ver 1.01

TpvlCalcEdit

Added <u>MinMaxHandler</u>, <u>MinMaxString</u> properties and <u>OnMinMaxError</u> event to customise the handling of input range errors.

TpvlDateEdit

Added <u>CalendarFont</u>, <u>DayHeadings</u>, <u>YearHeading</u>, <u>MonthHeading</u>, <u>StartOfWeek</u> properties : For dropdown calendar customisation.

Added the <u>QuickChangeType</u> and <u>QuickChangeWrap</u> properties for easy date increasing/decreasing.

Work around added for Windows 95 bug in EM_CHARFROMPOS where sometimes the wrong position gets given.

Fixed ability for no dateseparator in edit mask.

General

Fixed problem on certain systems where the stock icons are too large.

Ver 1.00

Initial Release

Function WithinHourHandfromPoint(p : TPoint):Boolean

applies to TpvlClock

This function determins if a point is within the hour hand radius from the center.

property Year : word

applies to TpvlDateEdit, TpvldbDateEdit

This allows you to set the year portion of the date.(It will only be loaded at runtime if LoadDate is true)

property YearHeading : String

applies to TpvlDateEdit, TpvldbDateEdit

This is the the string that appears on the year up and down buttons on the dropdown calendar.

If left blank **"Yr"** will be used

Style
Time (RunTime)

property EditFormat : TTimeEditFormat

applies to TpvlTimeEdit, TpvldbTimeEdit

This determins how the date gets displayed when the control is the activecontrol.

If set to teIncludeSecs the user will be able to edit seconds

If set to teExcludeSecs the user can't edit seconds.

```
TMinMaxEvent = procedure(Sender: TObject;Newvalue,min,max : extended;var Value : Extended) of
object;
```

OnButtonClick
OnRButtonClick
OnWantForm

event OnTimeChanged : TNotifyEvent

applies to TpvlTimeEdit, TpvldbTimeEdit
This event gets trigerred whenever the time property changes.
Its prefereable to use this event over the onchange event as it doesn't get triggered when you drop down the clock and the text changed due to the different formats.

RClick

OnTimeChanged
OnWantForm