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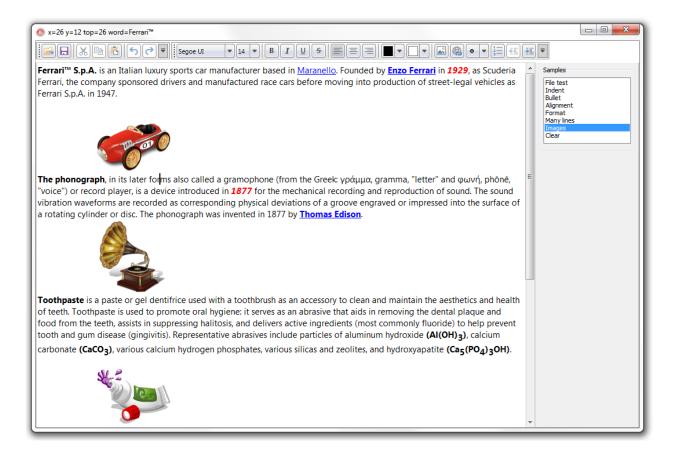


Description

TTMSFNCRichEditor is a compact light-weight WYSIWYG editor for formatted text.

TTMSFNCRichEditor can include formatted text with bullets, hyperlinks, images, indenting, and aligned paragraphs. It offers functions for merging, highlighting text, find & replace, undo/redo, clipboard.

TTMSFNCRichEditor stores its text natively in the .RTE file format. It can load text from .TXT and .RTE files and can export to .TXT, .RTF, .HTML and .RTE files. Rich editing/formatting toolbars are included to perform clipboard functions, undo/redo, formatting, paragraph alignment, inserting bullets, pictures, hyperlinks, special characters.



Organization

The core component is TTMSFNCRichEditor. This is a standalone component that can be used as-is for WYSIWYG editing of formatted text. It comes with a formatting and editing toolbar that can be used to quickly setup a rich editor or its many predefined toolbar buttons/pickers



can be used to create a specific user interface around the TTMSFNCRichEditor according to your needs.

Internally the TTMSFNCRichEditor consists of a simple DOM. This DOM is a generic list of document elements. Different types of document elements exist such as a text element, image element, linebreak element, bullet element, ... Each document element has several attributes that determine the appearance in the document. While the TTMSFNCRichEditor provides a large series of methods to add or remove elements from the DOM, it is also accessible via TTMSFNCRichEditor.Context.Content. It is recommended though that the API used instead of direct DOM manipulation.

Getting Started

Drop a TTMSFNCRichEditor on the form. The component with its default settings is ready for use. Entering of text can be done with default font & alignment. For ease of use, connect a TTMSFNCRichEditorEditToolBar or TTMSFNCRichEditorFormatToolBar, to apply all kinds of formatting to the text without writing any code or use its ribbon equivalents for a WYSIWYG editor with toolbar UI.

Properties & Events

Properties

Author	Sets the author of the document that will be
	persisted when saving to .RTE file format.
Color	Sets the default background of the
	TTMSFNCRichEditor
Comments	Sets comments for the document that will be
	persisted when saving to .RTE file format.
FontColor	Sets the default font color of the
	TTMSFNCRichEditor
GraphicSelection	Sets the appearance of the grips that appear
	when selecting graphics in the
	TTMSFNCRichEditor
GraphicSelection.BorderColor	Sets the border color of graphic item grips
GraphicSelection.Color	Sets the background color of graphic item
	grips
GraphicSelection.Style	Selects the style between rectangular or



	circular for the grips
HighlightColor	Sets the background color for highlighted text
	in the TTMSFNCRichEditor
HighlightTextColor	Sets the text color for highlighted text in the
	TTMSFNCRichEditor
LastModifiedBy	Sets the name of the person who last
	modified the content of the document and
	this name Is persisted in the .RTE file
ReadOnly	When true, the content of the document
	cannot be altered but selection is possible
SelectionColor	Sets the background color for selection in the
	TTMSFNCRichEditor
SelectionTextColor	Sets the text color for selection in the
	TTMSFNCRichEditor
Tags	Sets tags for the document that will be
	persisted when saving to .RTE file format.
URLColor	Sets the text color for hyperlinks in the
	TTMSFNCRichEditor
Version	Read-only property returning the version of
	the component

Events

OnCaretChanged	Event triggered whenever the caret changes
	in the TTMSFNCRichEditor
OnClick	Event triggered when the editor is clicked
OnClickHyperlink	Event triggered when a hyperlink is clicked in
	the editor. The URL for the hyperlink is
	returned as a parameter
OnDrawGraphic	Event triggered for drawing custom graphic
	elements in the TTMSFNCRichEditor. This
	event returns the canvas and rectangle where
	to draw the custom graphic and an ID for the
	graphic element
OnEnter	Event triggered when the TTMSFNCRIchEditor
	gets focus
OnEnterWord	Event triggered when one or more characters
	were entered before a word boundary. The
	event returns the word just entered
OnExit	Event triggered when the TTMSFNCRIchEditor



	looses focus
OnSelectionChanged	Event triggered whenever the selection
	changes in the TTMSFNCRichEditor

Methods

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AddBullet(AType: TBulletType = btCircle);	Appends a bullet element to the
	TTMSFNCRichEditor and returns a bullet
	document element. The bullet types can be:
	- btSquare
	- btCircle
	- btArrow
	- btStar
AddCranhia(A)A/idth Allaightaigtagaga AID.	- btTick
AddGraphic(AWidth, AHeight: integer; AID:	Appends a graphical element with a specific
string);	ID to the TTMSFNCRichEditor and returns a
	graphic document element. This graphical
	element needs to be drawn via the
	OnDrawGraphic event
AddHyperlink(AValue, AURL: string);	Sets a hyperlink for the currently selected
	text in the TTMSFNCRichEditor
AddImage(FileName: string); overload;	Appends an image from file to the
	TTMSFNCRichEditor and returns a graphic
	document element
AddImage(FileName: string; AWidth,	Appends an image from file with a specific
AHeight: integer); overload;	width and height to the TTMSFNCRichEditor
	and returns a graphic document element
AddImage(Picture: TPicture); overload;	Appends an image to the TTMSFNCRichEditor
	and returns a graphic document element.
	Images of the type BMP, JPEG, GIF, PNG, ICO
	are supported.
AddImage(Picture: TPicture; AWidth,	Appends an image with a specific width and
AHeight: integer); overload;	height to the TTMSFNCRichEditor and returns
	a graphic document element. Images of the
	type BMP, JPEG, GIF, PNG, ICO are supported.
AddLineBreak: TREElement;	Appends a linebreak to the
,	TTMSFNCRichEditor and returns a linebreak
	document element
AddMultiLineText(AValue: string);	Appends multiple lines of text as word-
	wrapped text in the TTMSFNCRichEditor



overload; AddText(AValue: string; AAlignment: TAlignment): TTextElement; overload; TMSFNCRichEditor and returns a text document element containing this added text AddText(AValue: string; AColor: TColor): TTextElement; overload; AddText(AValue: string; AColor: TColor): TRextElement; overload; AddText(AValue: string; AColor: TColor): BkColor: TColor): TTextElement; overload; BkColor: TColor): TTextElement; overload; AddText(AValue: string; AFont: TFont): Appends text with a specific text color and background color to the TTMSFNCRichEditor and returns a text document element containing this added text AddText(AValue: string; AFont: TFont): Appends text with a specific font setting to the TTMSFNCRichEditor and returns a text document element containing this added text AddText(AValue: string; AFontSize: AddText(AValue: string; AFontSize: Integer; AFontName: string; AFontSize: AddText(AValue: string; AFontSize: Appends text with a specific font setting to the TTMSFNCRichEditor and returns a text document element containing this added text Appends text with a specific font setting and alignment to the TTMSFNCRichEditor and returns a text document element containing this added text Appends text with a specific font setting to the TTMSFNCRichEditor and returns a text document element containing this added text Appends text with a specific font setting to the TTMSFNCRichEditor and returns a text document element containing this added text Appends text with a specific font setting to the TTMSFNCRichEditor and returns a text document element containing this added text Appends text with a specific font setting to the TTMSFNCRichEditor and returns a text document element containing this added text Appends text with a specific font setting to the TTMSFNCRichEditor and returns a text d	AddText(AValue: string): TTextElement;	Appends text to the TTMSFNCRichEditor and
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CanUndo: boolean; Returns true when an Undo operation is possible CanUnindent: boolean; Returns true when the selection in the document is indented (and thsu can be unindented) Clear; Removes all elements from the document ClearSelection; Clears the selection in the document DeleteCaretElement; Deletes the document element where the caret is DeleteChar; Deletes the character at caret position DeleteSelected; Deletes the selected element in case an image or graphical element is selected	CanRedo: boolean;	Returns true when a Redo operation is
CanUnindent: boolean; Returns true when the selection in the document is indented (and thsu can be unindented) Clear; Removes all elements from the document ClearSelection; Clears the selection in the document DeleteCaretElement; Deletes the document element where the caret is DeleteChar; Deletes the character at caret position DeleteSelected; Deletes the selected element in case an image or graphical element is selected		possible
CanUnindent: boolean; Returns true when the selection in the document is indented (and thsu can be unindented) Clear; Removes all elements from the document ClearSelection; Clears the selection in the document DeleteCaretElement; Deletes the document element where the caret is DeleteChar; Deletes the character at caret position DeleteSelected; Deletes the selected element in case an image or graphical element is selected	CanUndo: boolean;	Returns true when an Undo operation is
document is indented (and thsu can be unindented) Clear; Removes all elements from the document ClearSelection; DeleteCaretElement; Deletes the document element where the caret is DeleteChar; Deletes the character at caret position DeleteSelected; Deletes the selected element in case an image or graphical element is selected		possible
unindented) Clear; Removes all elements from the document ClearSelection; Clears the selection in the document DeleteCaretElement; Deletes the document element where the caret is DeleteChar; Deletes the character at caret position DeleteSelected; Deletes the selected element in case an image or graphical element is selected	CanUnindent: boolean;	Returns true when the selection in the
ClearSelection; ClearSelection; Clears the selection in the document DeleteCaretElement; Deletes the document element where the caret is DeleteChar; Deletes the character at caret position DeleteSelected; Deletes the selected element in case an image or graphical element is selected		document is indented (and thsu can be
ClearSelection; Clears the selection in the document DeleteCaretElement; Deletes the document element where the caret is DeleteChar; DeleteSelected; Deletes the character at caret position DeleteSelected; Deletes the selected element in case an image or graphical element is selected		unindented)
DeleteCaretElement; Deletes the document element where the caret is DeleteChar; Deletes the character at caret position DeleteSelected; Deletes the selected element in case an image or graphical element is selected	Clear;	Removes all elements from the document
caret is DeleteChar; Deletes the character at caret position DeleteSelected; Deletes the selected element in case an image or graphical element is selected	ClearSelection;	Clears the selection in the document
DeleteChar; Deletes the character at caret position DeleteSelected; Deletes the selected element in case an image or graphical element is selected	DeleteCaretElement;	Deletes the document element where the
DeleteSelected; Deletes the selected element in case an image or graphical element is selected		caret is
image or graphical element is selected	DeleteChar;	Deletes the character at caret position
	DeleteSelected;	Deletes the selected element in case an
DeleteSelection; Deletes the selection in the		image or graphical element is selected
	DeleteSelection;	Deletes the selection in the



	TTMSFNCRichEditor
EndUpdate;	Use to block updates when doing many
	programmatic manipulations in the
	TTMSFNCRichEditor
FindFirst(AText: string; MatchCase:	Finds the first occurrence of text from the
boolean = false): boolean;	document origin
FindNext: boolean;	Finds the next occurrence of text from the
	position of the last find operation
GetSelectionBkColor: TColor;	Returns the background color for the selected
	text
GetSelectionBullet: TBulletType;	Returns the bullet type used for the selected
	text
GetSelectionFontName: string;	Returns the font face name for the selected
	text
GetSelectionFontSize: integer;	Returns the font size for the selected text
GetSelectionIndent: integer;	Returns the indent of the selected text
GetSelectionTextColor: TColor;	Returns the text color for the selected text
GetWordAndIndexAtCaret(var AValue:	Returns the word at caret position and the
string; var Alndex: integer);	index of the element containing the word
HasSelection: boolean;	Function returns true when there is a
	selection in the TTMSFNCRichEditor
Highlight(AText: string; MatchCase:	Highlight the text in the document with or
boolean = false): boolean;	without case sensitivity in the document
InsertBullet(AType: TBulletType =	Inserts a bullet element at caret position in
btCircle);	the TTMSFNCRichEditor and returns a bullet
	document element
InsertChar(ch: char);	Inserts a character at caret position
InsertFromStream(const AStream:	Inserts plain text from file at caret position
TStream; f: double);	
InsertGraphic(ID: string; AWidth, AHeight:	Inserts a custom graphic element with a
integer);	specific width and height at caret position in
	the TTMSFNCRichEditor and returns a graphic
	document element
InsertImage(FileName: string; AWidth:	Inserts an image with a specific width and
integer = 0; AHeight: integer = 0);	height at caret position in the
overload;	TTMSFNCRichEditor and returns an image
	document element
InsertImage(Picture: TPicture; AWidth:	Inserts an image with a specific width and
integer = 0; AHeight: integer = 0);	height at caret position in the
overload;	TTMSFNCRichEditor and returns an image



	document element
InsertMultiLineText(AValue: string);	Inserts text in the TTMSFNCRichEditor at
,	caret position
<pre>InsertText(AValue: string): TTextElement;</pre>	Inserts text in the TTMSFNCRichEditor at
overload;	caret position and returns a text document
·	element containing this added text
InsertText(Index: integer; AValue: string):	Inserts text in the TTMSFNCRichEditor at
TTextElement; overload;	document element Index and returns a text
	document element containing this added text
<pre>IsCaretInBulletList(var AType: TBulletType;</pre>	Returns true when the caret is within a list of
var Alndex, Alndent: integer): boolean;	bulleted items and when so, returns the
	bullet type, the index of the item in the list
	and the indent of the bulleted items
IsEmpty: boolean;	Returns true when the document is empty
IsSelectionBold: boolean;	Returns true when the selected text font
	style is bold
IsSelectionCenter: boolean;	Returns true when the selected text
	alignment is center aligned
IsSelectionItalic: boolean;	Returns true when the selected text font
	style is italic
IsSelectionLeft: boolean;	Returns true when the selected text
	alignment is left aligned
IsSelectionRight: boolean;	Returns true when the selected text
	alignment is right aligned
IsSelectionStrikeOut: boolean;	Returns true when the selected text font
	style is strikeout
IsSelectionSubscript: boolean;	Returns true when the selected text font
	style is subscript
IsSelectionSuperscript: boolean;	Returns true when the selected text font
	style is superscript
IsSelectionUnderline: boolean;	Returns true when the selected text font
	style is underline
LoadFromFile(const FileName: string);	Load a document from the .RTE file format
LoadFromStream(const AStream:	Load a document in the .RTE file format from
TStream);	stream
LoadFromTextFile(const FileName: string);	Loads the document from a plain text file
Merge(NamesAndValues: TStringList);	Performs merging of mergefields with merge
	values contained in the stringlist
PlainText: string;	Returns the text of the TTMSFNCRichEditor
	document as plaintext



property Caret: TCaret read FCaret write	Allows to get and set the caret based on
FCaret;	document elements and character position
,	within the selected document element
property Selected: TREElement read	Get or set the selected (graphical) document
FSelected write FSelected;	element
property Selection: TSelection read	Allows to get and set the selection in the
FSelection write FSelection;	TTMSFNCRichEditor based on document
·	elements for the selection start and selection
	end and character positions within the
	selections
Redo;	Performs Redo
ReplaceFirst(AText, AReplacement: string;	Replaces the first occurrence of text from the
MatchCase: boolean = false): boolean;	document origin
ReplaceNext: boolean;	Replaces the next occurrence of text from
	the position of the last find operation
SaveSelectionToStream(const AStream:	Saves the current selected document
TStream);	elements in .RTE file format to stream
SaveToFile(const FileName: string);	Save a document to the .RTE file format
SaveToStream(const AStream: TStream);	Save a document in the .RTE file format to
	stream
SaveToText(AFileName: string);	Saves the document in TTMSFNCRichEditor as
	plain text
ScrollToCaret;	Vertically scroll the TTMSFNCRIchEditor to
	make the caret visible
SelectAll;	Selects all document elements in
	TTMSFNCRichEditor
SelectedText: string;	Returns the selected text
SelectText(FromChar, ALength: integer);	Selects text in the TTMSFNCRichEditor based
	on character position of the text and length
	in characters
SelectWordAtCaret: string;	Selects the word in the TTMSFNCRichEditor
	document at caret position
SelectWordAtXY(X,Y: integer): string;	Selects the word in the TTMSFNCRichEditor
	document at mouse coordinates X,Y
SetSelectionAttribute(AAlignment:	Sets the alignment of the selected text
TAlignment); overload;	
SetSelectionAttribute(AError: boolean);	Sets the selected text with red error
overload;	underlining or remove error underlining
SetSelectionAttribute(AFont: TFont;	Sets the font and color attribute of the
AColor: TColor); overload;	seleted text



SetSelectionAttribute(AFont: TFont;	Sets the font, text color and background
AColor: TColor; BkColor: TColor);	color attribute of the seleted text
overload;	
SetSelectionAttribute(AFontName: string;	Sets the font and color attribute of the
AFontSize: integer; AFontStyle:	seleted text
TFontStyles; AColor: TColor); overload;	
SetSelectionAttribute(AFontName: string;	Sets the font, text color and background
AFontSize: integer; AFontStyle:	color attribute of the seleted text
TFontStyles; AColor, BkColor: TColor);	
overload;	
SetSelectionBkColor(AColor: TColor);	Sets the background color of the selected
, , , , , , , , , , , , , , , , , , , ,	text
SetSelectionBold(DoBold: boolean);	Sets the selected text bold or remove bold
SetSelectionBullets(AType: TBulletType);	Sets bullets for the selected text. Each line
overload;	separated by a linebreak gets a bullet. AType
	sets the bullet type
SetSelectionColor(AColor: TColor);	Sets the text color of the selected text
SetSelectionError(DoError: boolean);	Sets the selected text with red error
	underlining or remove error underlining
SetSelectionFontName(AName: string);	Sets the font face name for the selected text
SetSelectionFontSize(ASize: integer);	Sets the font size for the selected text
SetSelectionHighlight;	Sets the selected text in highlight text /
	background colors
SetSelectionHyperlink(AURL: string);	Sets a hyperlink for the text selected element
	in the document
SetSelectionIndent(AIndent: integer);	Sets the indent on the selected text
SetSelectionItalic(DoItalic: boolean);	Sets the selected text italic or remove italic
SetSelectionMergeField(AMergeName:	Defines a mergefield value for the selected
string);	text
SetSelectionStrikeOut(DoStrikeOut:	Sets the selected text strikeout or remove
boolean);	strikeout
SetSelectionSubscript(DoSubScript:	Sets the selected text subscript or remove
boolean);	subscript
SetSelectionSuperscript(DoSuperScript:	Sets the selected text superscript or remove
boolean);	superscript
SetSelectionUnderline(DoUnderline:	Sets the selected text underlined or remove
boolean);	underlined
Undo;	Performs Undo
UnHighlight;	Undo any previous highlight
UnSelect;	Undo any selection in the document



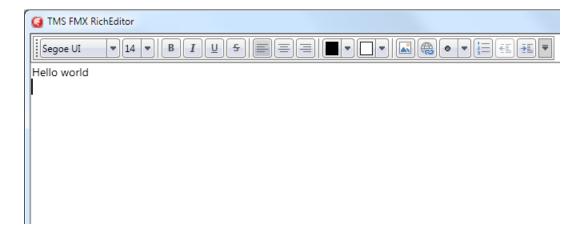
UpdateWordAndIndexAtCaret(AValue:	Replaces the word at document element at
string; Alndex: integer);	caret position at character index Alndex by
	AValue
WordAtCaret: string;	Returns the word at caret position
WordAtXY(X,Y: integer): string;	Returns the word at X,Y mouse coordinates
XYToCaret(X,Y: integer); overload;	Sets the caret at mouse X,Y coordinates
XYToCaret(X,Y: single); overload;	
XYToChar(X,Y: integer; el: TREElement;	Converts the X,Y mouse coordinates to
var CX,CY: integer): integer;	character position in the document text
XYToElement(X,Y: integer; var el:	Retrieves the document element at mouse
TREElement): boolean;	X,Y coordinates
XYToWord(X,Y: integer): string; overload;	Returns the word at mouse coordinates X,Y
XYToWord(X,Y: integer; el: TREElement):	Returns the word and document element at
string; overload;	mouse coordinates X,Y



Programmatic access to the document

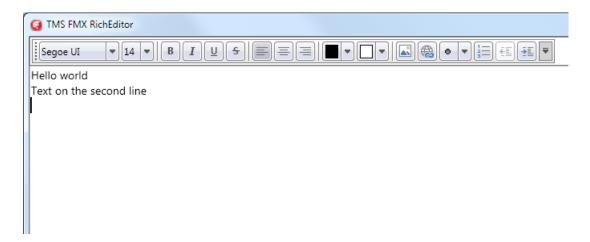
Text can be inserted in TTMSFNCRichEditor in various ways. To start with call:

TMSFNCRichEditor1.AddText('Hello world');



Add text on the next line with:

```
TMSFNCRichEditor1.AddLineBreak;
TMSFNCRichEditor1.AddText('Text on the second line');
```



To add text with a different font than default font, use:

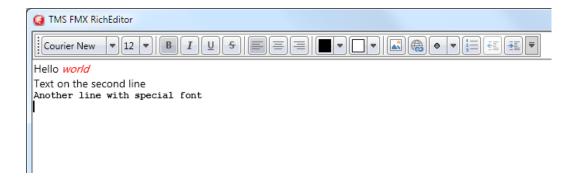


```
TMSFNCRichEditor1.AddLineBreak;
TMSFNCRichEditor1.AddText('Another line with special
font',12,'Courier',[fsBold]);
```



To change attributes of text in the TTMSFNCRichEditor, perform a selection based on index of the text and length. For example, to change the color of "world" on the first line, set a selection from character 6 for 5 characters (character index starts at zero) and set an attribute for the selection followed by remove the selection itself:

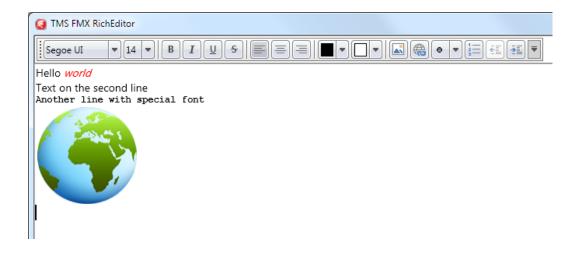
```
TMSFNCRichEditor1.SelectText(6,5);
TMSFNCRichEditor1.SetSelectionColor(claRed);
TMSFNCRichEditor1.SetSelectionItalic(True);
TMSFNCRichEditor1.ClearSelection;
```



To add images to the TTMSFNCRichEditor, use:

```
TMSFNCRichEditor1.AddImage('.\sample.png');
```

tmssoftware; com





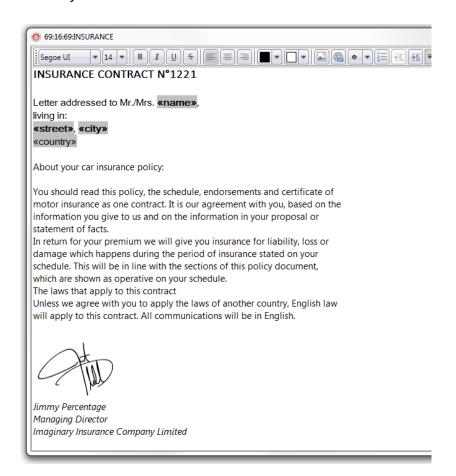
Using merge fields

Via merge fields, specific places in the document can be quickly replaced during a merge operation. To perform merging, first insert merge fields in the document. Merge fields are pieces of text that get a merge field name. These pieces of text are displayed between brackets «» and with a gray background. To set a piece of text as merge field, select the text and call

TMSFNCRichEditor1.SetSelectionMergeField('MergeFieldName');

Assume that following merge field names exist in the TTMSFNCRichEditor document:

- 'Name'
- 'Street'
- 'City'
- 'Country'





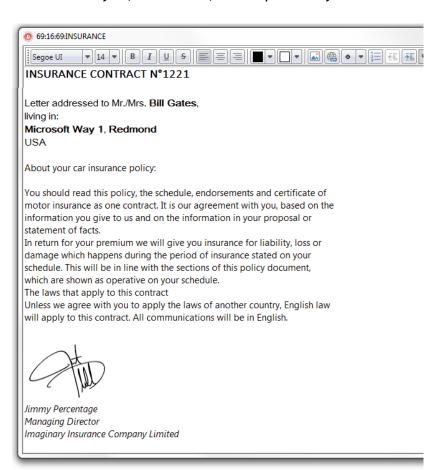
then a merge operation can be done in the following way:

```
var
    sl: TStringList;

sl := TStringList.Create;
sl.Add('Name=Bill Gates');
sl.Add('Street=Microsoft Way 1');
sl.Add('City=Redmond');
sl.Add('Country=USA');

TMSFNCRichEditor1.Merge(sl);
sl.Free;
```

This will replace the merge fields Name, Street, City, Country with the values 'Bill Gates', 'Microsoft Way 1', 'Redmond', 'USA' specifically.





It is also possible to replace merge fields by pictures, i.e. insert pictures dynamically during a merge operation.

To do this, set a merge fieldname just like for text but using following construct for the mergelist:

Assume that in the previous example we want to add a picture of the person in the document, this would become:

```
'Photo'
'Name'
'Street'
'City'
'Country'
```

A merge operation is done the following way:

```
var
    sl: TStringList;
    pic: TBitmap;

pic := TBitmap.Create;
pic.LoadFromFile('billgates.jpg');

sl := TStringList.Create;
sl.AddObject('Photo=',pic);
sl.Add('Name=Bill Gates');
sl.Add('Street=Microsoft Way 1');
sl.Add('City=Redmond');
sl.Add('Country=USA');

TMSFNCRichEditor1.Merge(sl);

sl.Free;
pic.Free;
```

To undo the merge operation (and have the document ready for a new merge operation), simply call TMSFNCRichEditor1.UnMerge; after the merge operation.



Using accompanying toolbars

TTMSFNCRichEditor comes with 2 ready-to-use toolbars that enable to quickly create user-interfaces for manipulating the formatted text without writing code. To start using the toolbars, simple drop one of the toolbars on either a TTMSFNCDockPanel or directly on the form.

$TTMSFNCRichEditorEditToolBar,\ TTMSFNCRichEditorFormatToolBar$

These are 2 toolbars designed to be used in combination with a TTMSFNCDockPanel. The toolbars are divided in functions for Open/Save/Clipboard/Undo/Redo with the TTMSFNCRichEditorEditToolBar, changing font characteristics, alignment, bullets, indents, colors and inserting images, hyperlinks, special characters with the TTMSFNCRichEditorFormatToolbar.





Importing & exporting in rich text

TTMSFNCRichEditor comes with a component to allow to import or export its content in rich text (.RTF) files.

Performing such export or import is easy. Drop a TTMSFNCRichEditorRTFIO component on the form and connect the TTMSFNCRichEditor to this non-visual component's RichEditor property.

Export

Simply call: TMSFNCRichEditorRTFIO.Save(FileName); Import Simply call:

TMSFNCRichEditorRTFIO.Load(FileName);



Importing & exporting in HTML format

TTMSFNCRichEditor comes with a component to allow exporting its content in HTML (.HTML) files. It is also possible to import from files that use a HTML subset (mini HTML) described here: http://www.tmssoftware.com/site/minihtml.asp

Performing such export or import is easy. Drop a TTMSFNCRichEditorHTMLIO component on the form and connect the TTMSFNCRichEditor to this non-visual component's RichEditor property.

Export

Simply call:

```
TMSFNCRichEditorHTMLIO.Save (FileName);
```

Notice that for HTML export, the default behaviour is that all images used in the document are exported as separate linked image files in the same folder where the .HTML file is generated. If it is preferred that images are generated in a different folder, use the 2nd default parameter ImagePath:

```
TMSFNCRichEditorHTMLIO.Save (FileName, ImagePath);
```

Import

This is limited to mini HTML files and import is done via the non-visual component TTMSFNCRichEditorMiniHTMLIO. In the same way as TTMSFNCRichEditorHTMLIO, assign the TTMSFNCRichEditor instance via TTMSFNCRichEditorMiniHTMLIO.RichEditor. The component provides the following overloads to import from HTML:

```
procedure Load(HtmlValue: string); overload;
procedure Load(FileName: string; Encoding: TEncoding = nil); overload;
procedure Load(AStream: TStream; Encoding: TEncoding = nil); overload;
```

This way, it can import from a simple HTML formatted string, a file with HTML formatted text or a stream. In the case of loading from a HTML formatting string, 1 extra parameter Pictures can be used as a container for referenced images in the HTML formatted string.

Finally, one more helper method is available in TTMSFNCRichEditorHTMLIO:



procedure Insert(AHtmlValue: string);

This inserts the formatted text from a HTML formatted string at caret position in the TTMSFNCRichEditor.



Exporting in PDF format

TTMSFNCRichEditor comes with a component to allow exporting its content in PDF (.PDF) files.

Performing such export is easy. Drop a TTMSFNCRichEditorPDFIO component on the form and connect the TTMSFNCRichEditor to this non-visual component's RichEditor property.

Export

Simply call:

TMSFNCRichEditorPDFIO.Save(FileName);

Alternatively the TMSFNCRichEditorPDFIO component is able to save to a stream. Simply call the Save method with a TStream instance.

Additionally, the TMSFNCRichEditorPDFIO component is capable of configuring the margins, header, footer as well as PDF meta-data such as the creator, author title and keywords. These properties are found under Options and Information.