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Enhanced Tool Bars (ETB) for FM ≥ 14

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Introduction

denotes the FM version as noted in **Help > About FrameMaker** (e.g. 15 - not 2019) of the ETB installation.

Note: **Enhanced Tool Bars (ETB) for FM ≥14** is published with UI texts in German (*de*), English (*en*) and French (*fr*). This version serves ETB for FM-14 and later ¹⁾. The scripts create menu entries, dialogues and messages in the UI language of the FM version they are running in (*de*, *en*, *fr*). The installation dialogues adapt to the UI language of Windows.

After FM-12 Adobe emphasised the corporate style of black interfaces, which is definitely not a good idea for applications dealing with black-and-white objects aka text. Hence ETB provides a full set of coloured tool bars²⁾. ETB icons provide additional benefit:

- The images on the icons use as much space as possible.
- Inactive buttons use grey icons rather than smaller ones.

Enhanced Tool Bars (ETB) for FM ≥14 establishes some functions by scripts, thus allowing extended functionality.

Note: *Most operations performed by script can not be undone³⁾! Best practice is to save the document before performing script actions on it. Only scripts which do not modify document contents (e.g. creating a new document) are safe in this respect.*

Feature overview

Note: *ETB is active only in the WYSIWYG view. For greater compatibility it uses an own work space and menu.*

Vis a vis the original FrameMaker installation the following features are installed/replaced:

- Additional **menu items** show keyboard short cuts.
- Reasonable menu items are added, especially to context menus.
- For **additional/modified** tool bars see [ETB tool bars](#) on page 13.
- In **Printing View** no rulers are displayed. These remain not displayed when switching to **Edit View**.⁴⁾
- ETB v11 provides a panel for document navigation. See [Document navigation](#) on page 22.
- Menu **Insert Special Character** got a host of additional symbols. See [Insert Special Character](#) on page 18.
- The **Vertical Tool Bar** is back. It is modified to use 2 rather than 4 levels. The top elements have been changed to more useful functions (see [Vertical tool bar](#) on page 16).
- Documentation and other features of the Enhanced Tool Bars (ETB) for FM ≥14 are available with menu **##**.

1 The current versions ETB-13 and below are left on the web. I will not maintain them any longer.

2 The setting **Edit > Preferences > Interface > Icons** (Gray Scale / Colored) is ignored.

3 This must not necessarily be the case for plug-ins represented as dll's.

4 This can not work reliably since we have View options both in the document and for the session.

No more supported

- Main menu **##** to the far left provides FM version and some details. See [FM Information](#) on page 17.
- Some documents from older FM versions are available in the menu **## > Local Documentation**. These documents are still useful. See [FM Information](#) on page 17. Completely new is **Customising FrameMaker**.
- **User Guide** is provided both as pdf and chm.
- ETB provides a pre-defined **work space**. See [Predefined work space ETB](#) on page 25.
- **Clip art** for scales and grids for diagrams.
- The **maker.ini** files both from the user area and from \$HOME can be handled with the standard text editor.
- **Console file** from the User Area can be opened in standard text editor.
- The external utility **TextHelper** allows special paste operations from any application (see [External utility TextHelper](#) on page 24).
- The **equations palette** offers an enlarged and more crisp presentation of the buttons. In Windows 10 it is scaled the same way as the UI elements.

The following items are no more supported in this ETB version:

- **Clip art** with graphics for call-outs etc. Since FM-15 Adobe has removed the clip art folder.
- Local documentation about the commands. Since the company itl does no more support [i]-frame it has become too costly to create this list.

Installation

Note: ETB is installed for the **current user**.

denotes the current FM version (e.g. 15, not 2019) of the ETB installation.

\$HOME is the installation directory of FrameMaker.

Administrator rights

With ETB v11 no data is stored in the FrameMaker installation folder. All data is stored in the user's space (%appdata%). Nevertheless in a company environment – where only an IT-person may install programs – the installation program may require to be started with admin rights.

Updating ETB

If you have ETB already installed (and want to update it):

- 1 Start the existing installation program from the **Start Menu > D+DD** and use button **Un-Install**.
- 2 Delete the folder %appdata%\D+DD\FM##-toolbars-en
- 3 Install the new version of ETB.

Remove the following probably existing stand-alone scripts in %APPDATA%\Adobe\FrameMaker\##\Startup\ :

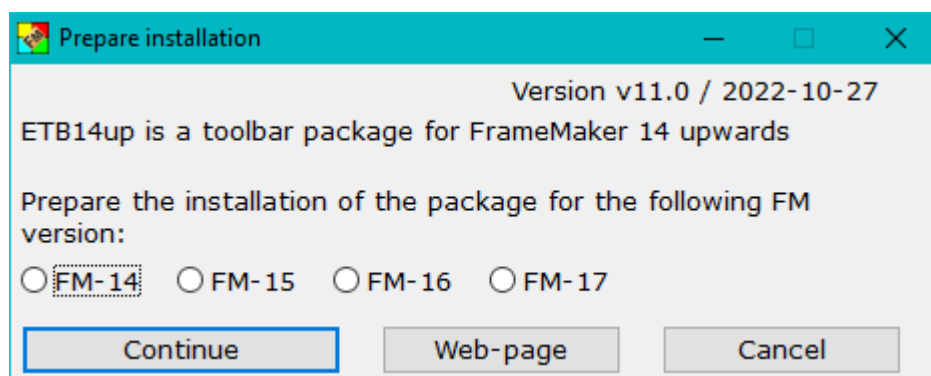
ETBFmIdent.jsx, ETBinsertSymbol_en.jsx, ETBtest.jsx
or ETBToggleViews.jsx

Installation steps

- 1 Close FrameMaker, if necessary.
- 2 Download Inst-ETB14up.zip from www.daube.ch
- 3 UnZip the file to the desktop. This will create one file PrepareInstallation.exe and one directory InstallThis.
- 4 Execute the file PrepareInstallation.exe as Admin. This may take up to halve a minute.

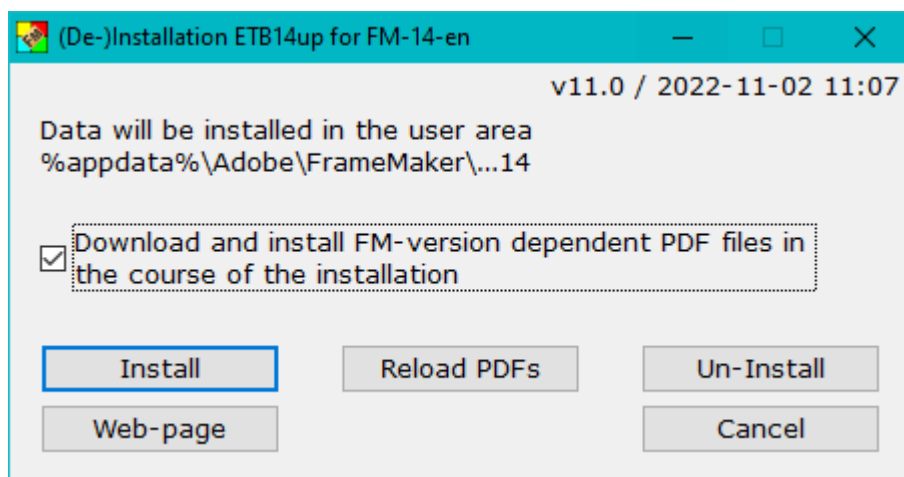
Note: Windows Defender may react to this program with a virus warning. This is a false positive. You may check this with an [upload to Virustotal](#). See also [Avoid Windows Defender intervention](#) on page 7.

- 5 The last six FM-versions present in your %appdata%\Adobe\FrameMaker\ are listed in the dialogue (on your system there may be only one).



The language of the installation dialogues adapts to the UI language of your current FM installation (de, en, fr).

- 6 Select the appropriate FM installation and use **Continue**. This opens the installation program:



7 Install ETB with **Install** . A message box indicates successful installation.

Note: *The original tool bars and work spaces (in the FM installation directories) are not touched.*

Start TextHelper automatically

During the installation of ETB an entry in the **Startmenu** > **D+DD** is created, which starts this utility. See [External utility TextHelper](#) on page 24. You may wish to copy/move this short cut to the **AutoStart** folder.

Reload the FM related PDFs from the web

At the time of publishing a new edition of FM the related documents are often not current and you see only a place holder document in the menu ##.

Within these you are invited to reload these documents later in time by:

- 1 Run the installation program from the short cut in the Start menu.
- 2 Use button **Reload PDFs**.
- 3 You get messages if no newer versions for the PDFs are available.

FM version peculiarities

FM-14 (2017)

The toolbar icons are not handled correctly by the initially published version (14.0.0.361). The fully patched version (14.0.4.411 or 412) is required.

In the console-log file you get the ignorable message concerning *ETBChangeCaseMenu has not been defined in etb-menus.cfg*.

FM-14 (2017) and FM-15 (2019)

The buttons for **Cell Text Alignment** and **Text Case Change** do not work initially after start of FM. You need to change the Workspace from ETB to something else and back to ETB. For FM-14 you even must do this twice.

This was an accepted bug and Adobe fixed it with FM-16 (2020).

What's installed?

- A short cut is placed in the Start Menu > D+DD: (De)Installation FM##-Toolbars en.
- Files are distributed to:
 - ETB work space, tool bars, menu and icon files are copied to the user area (%appdata%\Adobe\FameMaker\##\)
 - Scripts are copied to the Startup folder in the user area.
- maker.ini in the user area gets information in sections:
D+DD ETB14up = v11.0

Help, the ETB is not visible!

Initial behaviour	After installing ETB you start FM and open a document. The ETB toolbars do not show up and the menus are not changed. For example, there is no File > Save as old version...
Solution	Open a document and select the ETB workspace in the drop down list top right. It will take some time to establish the workspace. The ETB features should now appear.
Background	The last used workspace is kept in maker.ini – and this is of course no ETB-workspace as long as ETB is not installed.
Tool bars are still grey	The enhanced toolbar is only available in the workspace ETB. You must switch to this work space to get the coloured icons and the additional tool bars. Of course you can adapt this work space to your needs (and save it with any name) as any other work space.

Help, the fly-out menus do not work!

Multiple buttons have been replaced by fly-out buttons:

ABC Character handing: Change text case... [ETB]



Table handling: Cell Alignment... [ETB]

Due to an error in the Workspace handling of FM14/15 these fly-out do not work after starting FM. You need to switch the workspace to Authoring and then back to ETB. After this operation the fly-out menus work.

This problem does not exist in FM-16 (aka 2020) and higher.

How to add ETB toolbars to custom workspaces

If you have set up your own workspaces you may want to use therein ETB features, such as a special tool bar. You may wish to create a screen shot of your private WS to know what you have defined there.

- You start with the ETB-workspace and save it with your name (prevent the original WS from changes).
- Change the workspace to your desire and save it again.

Note: *This method does not support the special menu set-ups for Review, AuthorView or CodeView.*

Remove ETB from your system

Completely remove ETB

- Start the installation program with the short cut in the Start Menu and then click on **Un-Install**.
- All of the ETB installation are removed.

Since this is not a standard Windows de-installation you may wish to remove the installation directory (%appata%\D+DD\...) and the short cut in the Start Menu to get rid of all things.

However, leaving short cut and installation directory intact allows you install ETB again.

What's about FM updates?

The Enhanced Tool Bar was developed for FM 15.0.5.838 and checked with all latest FM updates of version 14 and higher. An update of FM *may* require an updated version of ETB. See www.daube.ch.

- 1 De-install ETB before you update FM (use button **Un-Install** of the installation program) – FM updates may not work with installed ETB.
- 2 When updating or re-installing FM keep the preferences.
- 3 Install ETB again.

Avoid Windows Defender intervention

- 1 In Windows settings navigate to **Windows Security > Virus & Threat protection settings > Manage Settings**
- 2 Go to **Exclusions**
- 3 Add the folder you need to exclude:
C:\Users\username\AppData\Roaming\D+DD

Possible error messages

The installation program tries to raise its privileges⁵⁾ to avoid much of the restrictions. But this may fail in companies with IT installation procedure.

Program Prepareinstallation

The following situations lead to an error message. The message contains information how to cope with the situation.

- Root for this FM-installation not found!
- There may be now unused files from previous ETB installation in C:\Users\...\AppData\Roaming\D+DD\FM14up - but they can not be deleted (probably access restrictions).

Program Install

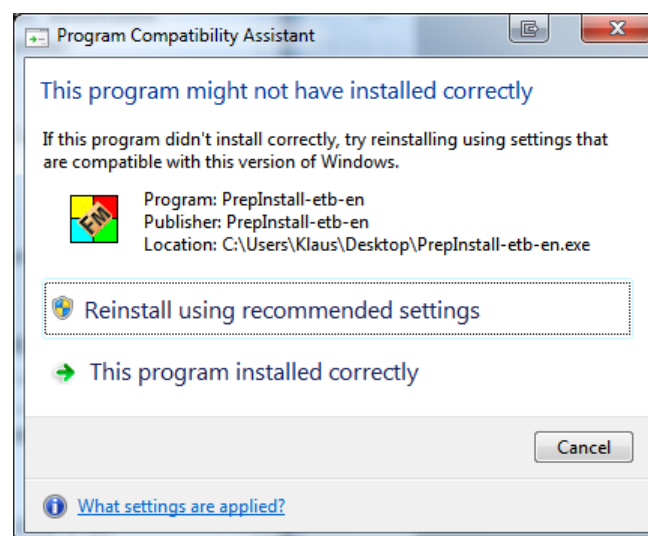
The following situations lead to an error message. The message contains information how to cope with the situation.

- Something went wrong: ScriptDir <> InstallDir.
- The no more used files from the Installation Preparation could not be deleted (probably access restrictions).
- For the update of the PDF documents no newer files are on the web server of the author.

Windows annoyances

Program is not installed correctly

Some time after installing (most likely not only in Windows version 7) you may get the following message:

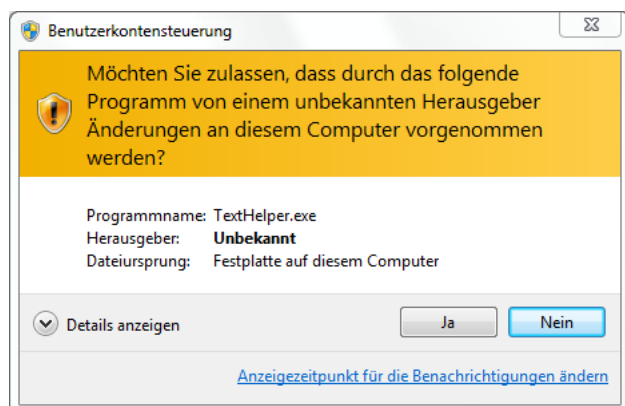


→ Just ignore it with **Cancel**. You may set the compatibility flag for the program to avoid the message in the future.

5 The method is similar to “Run as Administrator” with the context menu.

User Access Control

None of the D+DD programs is certified by Microsoft. Hence the installation may cause messages concerning danger by executing one of these programs.



User account control

Do you want to allow the following programme from an unknown publisher make changes to this computer?

Program name: TextHelper.exe
 Publisher: Unknown
 File source: Hard disk on this computer

Show details Yes No

→ You may safely allow the use of the program.

These programs have now been used for more than ten years and did not damage anything. I'm checking them for 'imported' viruses.

FrameMaker annoyance ???

There is a certain sequence at the start of FM. The customisation file for the menus is interpreted before scripts are started. ETB creates some menu entries by scripts. Hence you will get (*ignorable*) messages in the Console log such as:

```
While reading menu customization file
%appdata%\Adobe\FrameMaker\14\WorkSpaces\UnStructured\W
YSIWYGView\menus\etb-menus.cfg,
maker: (1880) Menu named ETBChangeCaseMenu has not been
defined.
```

ETB menus

Only additional menu items and/or short cut labels are listed

Standard menus

Menu	Sub menu	Document context		Book context	
		Menu entry	Shortcut	Menu entry	Shortcut
## ^a		FM Information ^b		FM Information	
		Configuration files ^c			
		Console Log File			
		Local Documentation			
		Show Vertical Toolbar			
		Open diagram template			
		About ETB			
		Open D+DD website			
File menu		Save book or document in older version ^d	ESC f s o	Save book or document in older version	ESC f s o
		Exit	ALT+F4	Exit	ALT+F4
Edit menu		Spelling Checker	INS, F9	Spelling Checker	INS, F9
		Update References...	ALT+F6	Update Book	ALT+F6
	Copy special	Paragraph Format	ALT+F9		
		Character Format	ALT+F8		
		Cond. Text Settings	ALT+F7		
		Table Column Width	ALT+F10		
Insert menu		Anchored Frame...	ALT+F5		
		Cross Reference...	ALT+F11		
Format menu		No changes			
View menu		Show Vertical Toolbar	---		
		Show/Hide Cond. Text	CTRL+F5	Show/Hide Cond. Text	CTRL+F5
		Hide Cond. Text Indicators	Ins, F6	Hide Cond. Text Indicators	Ins, F6
		Show/Hide Graphics	Ins, F5		
		Go to specific Master page	---		
		Go to specific Reference p.	---		
		Toggle View only/Editable	ESC F l k		
		Document Navigation ETB ^e	ESC q d n		
	Zoom	Smaller	CTRL+F3		
		Default	CTRL+F1		
		Large	CTRL+F2		
		Fit Page in Window	Ins, F1		
		Fit Window to Page			
		Fit Window to Text Frame			
Graphics menu		No changes			
Table menu		Place Cursor After Table Anchor	---		

Menu	Sub menu	Document context		Book context	
		Menu entry	Shortcut	Menu entry	Shortcut
	Add one Row	Above	---		
		Below	CTRL+Enter		
	Add one Column	To Left	---		
		To right	---		

- The version number (13 ...) is presented as menu label.
- Done by an ExtendScript.
- maker.ini in User Area, in \$HOME, \$HOME\fm\init folder
- Done by an ExtendScript.
- Done by an ExtendScript.

Context menus

Context menu	Sub menu	Menu entry	Shortcut
Document		File Info ...	Shift+F1
		Go back	SHIFT+F2
Book		File Info ...	Shift+F1
		Validate Hypertext ...	---
	Select All	All	CTRL+a
		Generated Files	---
		Nongenerated Files	---
		FrameMaker files	---
Text		Insert special Symbol ^a	---
		Save all open files	---
		Close all open files	---
	Select	Line	CTRL+F12
		Sentence	CTRL+F11
		Paragraph	CTRL+F10
		Area with same Char format	CTRL+F8
		Area with same condition	CTRL+F7
		To beginning of line	SHIFT+HOME
		To end of line	SHIFT+END
		To Top of Column	SHIFT+PgUp
		To Bottom of Column	SHIFT+PgDn
		To Start of Flow	CTRL+PgUp
		To End of Flow	CTRL+PgDn
	Copy Special	Copy Paragraph Format	ALT+F9
		Copy Character Format	ALT+F8
		Copy Cond. Text Settings	ALT+F7
		Copy Table Column Width	ALT+F10
Anchored Frame		Anchored Frame ...	ALT+F5
		Object Properties	SHIFT+F6
		Shrink-wrap Frame & Position In-line	INS, F12
		Enlarge Frame & Position Below Line	INS, F11

Context menu	Sub menu	Menu entry	Shortcut
Table		Place Cursor After Table Anchor	---
		Shrink-wrap Column Width	---
	Select	Cell	
		Text in Cell	
		Row/s	
		Column/s	
		Column body cells	
		(Line, Paragraph ... as in text)	
	Add one Row	Above	---
		Below	CTRL+Enter
	Add one Column	To Left	---
		To right	---
	Graphics	Clear	---
		Reshape	
		Scale	

a. Done by an ExtendScript.

ETB tool bars






Dockable tool bars

As far as possible I have built the icons on the base of the existing Adobe icons. Actions are generally indicated by an orange icon element. On these pictures the icons may look very aggressive, but on the standard grey background this contrast is required. Inactive buttons are grey:



Quick Access

etb_quick_ws.xml

									
Save	Save old version ^a	Import file	Import formats	Lock/unlock document	Delete page (depends on type)	Undo	Redo	Repeat	History

a. Done by an ExtendScript.

Buttons for **Help**, **Open**, **Print**, **Cut**, **Copy** and **Paste** have been left out, because these use standard short cuts of Windows. The **Save** button indicates status of document.

Note: **Repeat** repeats the last action in the command history. This may be any re-doable action.

Paragraph bar

etb_para.xml

						
Paragraph catalogue	Copy paragraph fmt	Repeat last paragraph cmd	Paragraph format drop down list	Text alignment drop down list	Tabulation types ^a	Paragraph actions

a. TAB positions can be set only with **View > Rulers ON**).

Character bar

etb_char.xml

					
Character catalogue	Copy character fmt	Repeat last character cmd	Character format drop down list	Convert text case drop down list ^a	Insert special character ^b

a. See [Remark concerning Sentence Case](#) on page 15

b. Done by an ExtendScript.

Display functions

etb_display.xml

Body Pages	Master Pages	Reference Pages	Editing View ^a	Printing view	Document navigation ^a	Jump back	Regain and refresh display ^b	Previous screen	Next screen

a. Done by an ExtendScript.

b. Use this button to re-gain the screen display after script failure.

Extra functions

etb_extra.xml

Find/replace	Find next	Spelling checker	Equation editor	Expand equ/frame	Shrinkwrap equ/frame	Insert Anch. Frame	Insert Footnote	Copy cond. text setting	Show/hide cond indic.	Display vert tool bar

Tables

etb_tables.xml

Insert Table	Table catalogue	Select row	Select column	Select body cells	Select table	Go to top left cell	Add rows	Add columns	Cut row	Cut column	Align cell text drop down list	Straddle/unstraddle cells	Shrink-wrap column width	Custom ruling/shading	Copy column width

The standard toolbar (FM-15) extended with the first two and last one as well as cut rows and columns.

Object Properties

etb_object_props.xml

Group	Ungroup	To front	To back	Distribute	Reshape	Smooth	Unsmooth	Flip vertically	Flip Horizontally	Scale	Object properties	Pick up Object properties	Snap	Gravity	Add Poster	Remove Poster	Hotspot	Delink Hotspot

The standard toolbar is extended with Pick up Object Properties.

Align Object

etb_agn_object.xml

Nudge objects (Information)	Align on top	Aling middle	Align at botom	Align left	Align cener	Align right	Rotate right	Rotate left	Make line solid	Make line dashed

Track Edits

etb_trackedit.xml

Document ▾						All Users ▾								
Trackable items Drop down	Enable tracking	Disable tracking	Preview final	Preview original	Preview off	Reviewer Names Drop down	Accept Edit Show next	Reject Edit Show next	Accept Edit	Reject Edit	Show next Edit	Show previous Edit	Accept all Edits	Reject all Edits

Text Direction

etb_direction.xml

Set Document Direction LRT	Set Document Direction RTL	Numbering Indic → numeric	Numbering numeric → indic	Numbering Farsi → numeric	Numbering numeric → Farsi	Direction Symbols Popup									

Structure functions

etb_struct.xml

Structure view	Elements catalogue	Edit Element Attributes	Copy Element Attributes	Repeat Last Element Command	Preview Filter by Attribute	Validate elements	Show element tags

Remark concerning Sentence Case

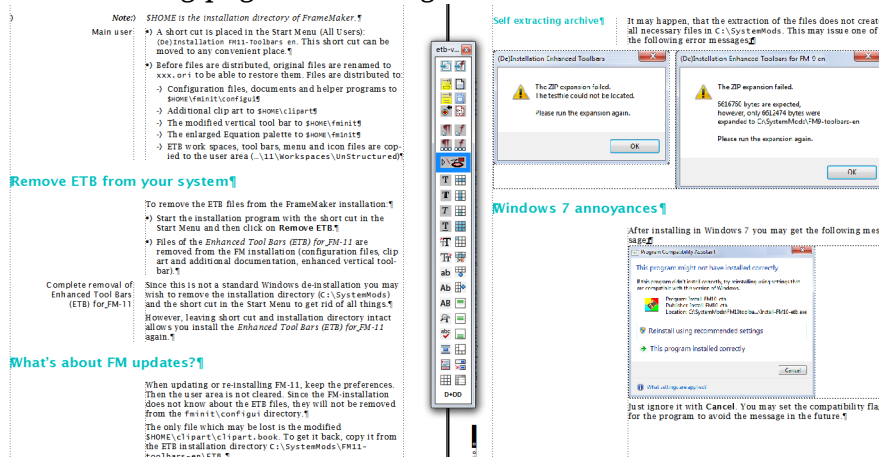
For FM version < 16 this function is imitated by a script which is not that sophisticated: it ruins any existing character formats in the selection.


Hence apply this function before you apply any character formats!

Starting with FM-16 this function is native.

Vertical tool bar

The vertical toolbar is very handy when placed in the margin area of facing pages - reducing mouse miles:



The vertical toolbar can be accessed by **View > Show vertical Toolbar** or by the icon  ..

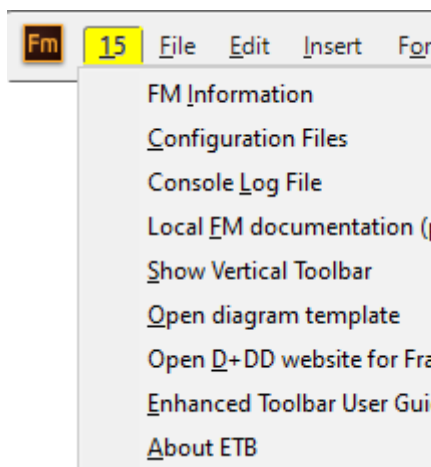
Import file		Import formats				
Editing View		Show body pages				
Pint View		Show master pages				
Goback		Show reference pages				
Copy ¶ format		Copy character format				
Repeat ¶ action		Repeat character action				
		Switch	↔	Switch		
Text normal		Select table row		Ungroup		Group
Bold		Select table column		Bring to front		Send to back
Italic		Select body cells in column		Distribute		Reshape
Underline		Select table		Smooth		Unsmooth
Increase font size		Select first cell in table		Flip up/down		Flip right/left
Decrease font size		Delete rows/columns		Scale		Object properties
Lower case		Add rows below		Snap		Gravity snap
Initial caps		Add columns at right		Move up 1 pt *		Move down 1 pt *
Upper case		Align top		Move left 1 pt *		Move right 1 pt *
Search/Replace		Align middle		Align top		Align left
Spell checking		Align bottom		Align hor. centre		Align vertical centre
Anchored frame		Straddle/unstraddle cells		Align bottom		Align right
Footnote		Shrinkwrap column width		Rotate clockwise		Rotate counter clockwise
Table		Custom ruling/shading		Make line solid		Make line dashed

* at zoom 100% the movement is 1 pt
at zoom 253% the movement is 0.1 mm

Note: Since this is a genuine FrameMaker palette, tool tips are not available. You may look up the horizontal tool bars. It is also not possible to dock this tool bar.

ETB functions

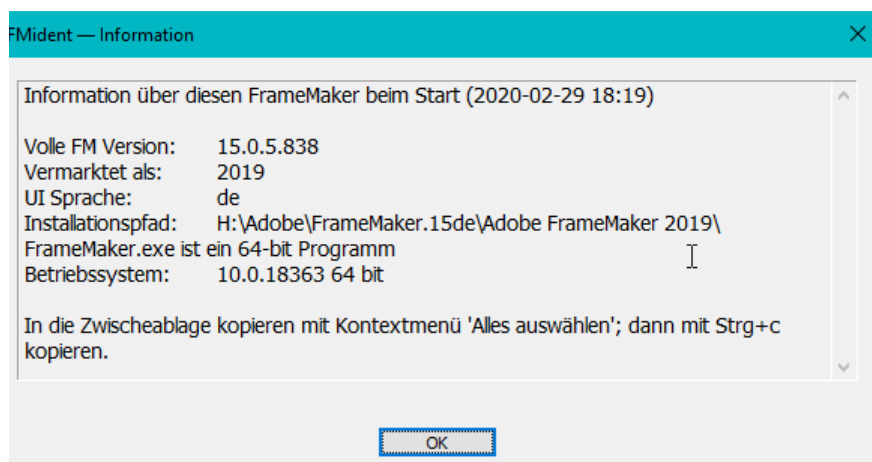
FM Information



To the very left of the top menu you get a hint on the current FM version. This is especially handy for people having installed multiple versions of FM..

Since FM-13 the program icon does not reflect the FrameMaker version anymore.

This information is collected at the session start:



Configuration Files

You can select between `maker.ini` in the user area (`%appdata%...`) and the version in the FM installation folder (`$HOME`).

Console Log File

This menu opens the log file in your favourite text editor.

Local Documentation

- Local User guide (PDF)
- Local User guide (CHM)
- INI Reference (current version)
- MIF Reference (current version)
- MML Reference (FM-7)
- Customizing FrameMaker (FM≥14)

Show Vertical Toolbar

See [Vertical tool bar](#) on page 16.

Open diagram template

Opens a document with linear and log scales and grids.

Open D+DD website for FrameMaker

This opens the website `www.daube.ch/docu/fmaker00.html`

About ETB

Short note about the current version of ETB.

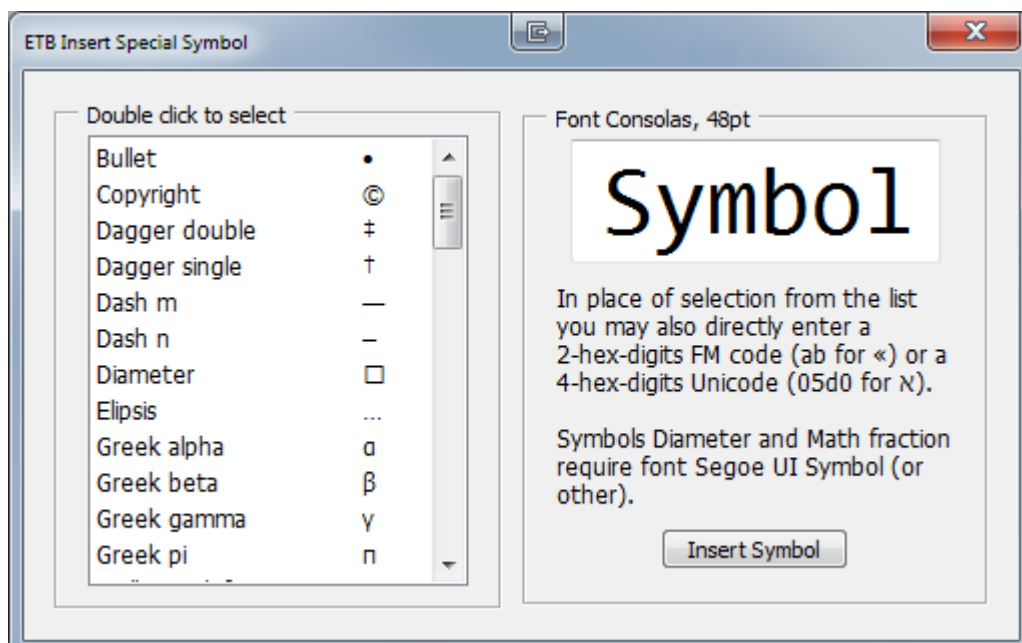
Enhanced Toolbar User Guide

This document (PDF)

Insert Special Character



Context menu **Insert Special Symbol (ETB)** or button opens this dialogue:



Some of the symbols in the list display as a box, because the UI-font does not support these. In an appropriate font they will display correctly, for example in Segoe UI Symbol: Ø.

To insert a symbol

- 1 Scroll to the desired symbol in the left pane (I have not yet implemented a type-ahead fast access).
- 2 **Double click** on the line. This will show the symbol in the right area which uses the font Consolas.
- 3 In place of a selection from the list you may also directly enter a 2 hex digit FM-code (ab for «) or a 4 hex digit Unicode (05d0 for ⋈).
- 4 Click the **Insert Symbol** button to insert the symbol.

Note: *I have grouped the symbol names with an introducer, such as Greek, Guillemet⁶, Math or Quote. This should help to find symbols.*

Modify the list of symbols

To be able to handle Unicode characters in the **Insert Symbols** function ETB v9 uses an ExtendScript.

The list of symbols is located in the Startup folder in %appdata%\Adobe\FrameMaker\##\Startup\ETBextras\ETBextras.cfg. This file contains three flavours of the symbol table: English, German, French.

Define an additional symbol

Let's say, you want to add a math symbol for inequality (≠):

- 1 Open file ETBextras.cfg in a UniCode enabled text editor (e.g. WordPad) and use a font with fixed pitch (e.g. Consolas).
- 2 Locate symbol table for your language [ETBsymbols-de], [ETBsymbols-en] or [ETBsymbols-fr].

⁶ The French quotes (chevrons) are called Guillemet, not Guillemot (a bird), as the spell checker suggest.

- 3 To avoid renumbering, you may wish to add at the end of the table. But I will place it in the group of the mathematical symbols.
- 4 Observe the alphabetical order of the symbol names.
- 5 In the table [ETBsymbols-en] I find the line

```
en_32 = Math Sum|Σ
```

Note: *The vertical bar separates the symbol name from the symbol itself.*

- 6 Below I insert the line

```
en_33 = Math Unequal|≠
```

- 7 I copy and rename this line to the German ([ETBsymbols-de]) and French ([ETBsymbols-fr]) table:

```
de_40 = Math ungleich|≠
```

```
fr_35 = Mathém. inégalité|≠
```

- 8 The higher numbers in the various flavours must be renumbered!
- 9 The total number of items must be adapted, for example from 58 to 59.

```
[ETBsymbols]
nSymbols = 59
```

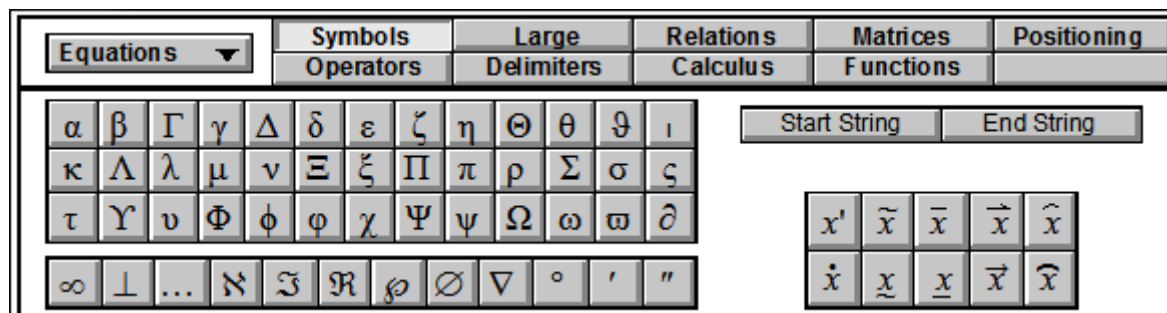
- 10 The number of definitions must be the same in all flavours.

Note: *Some symbols might be represented by a question mark or some other mark (e.g. boxed question mark). These are Unicode characters with no glyph in the font of your editor.*

Enlarged Equation palette

 fx

Menu **Insert > Equations...** or button opens the Equation palette:



This palette is 25% larger than the FM native palette and uses fonts rather than bitmap.

On Windows 10 the palette scales nicely according to the Windows zoom setting.

Save as old version



Menu **File > Save document as old version** or button opens this dialogue.

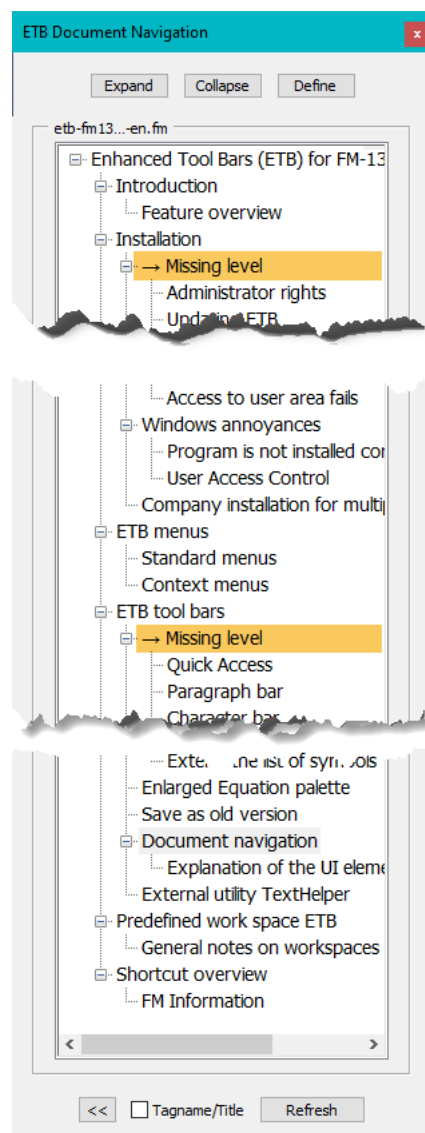
The selected target version is the current FM version.

- Select the desired target version. The dialogue does not offer versions below 8, because that was the first version with UniCode support.
- Normally you want to save the old version to a different location than the current version. Either directly insert that folder in the field **Target folder** or use button **Browse**.
- If you wish to overwrite the current files with an old version, check the box **Save to current location**.

- After using button **Save as FM** or **MIF** you get a message about the performed action.

- Observe the message!

Document navigation



Menu **View > Document Navigation ETB** or button opens this palette.

The tree view provides hypertext jumps to heading paragraphs of up to 4 levels.

In unstructured FrameMaker it is allowed to violate the rules of a homogeneous structure. You may start with a sub-level title and place a top title amidst the document.

To be able to set up a tree view for this 'structure' it may be necessary to inset dummy entries in the list of titles. In the picture to the left you see these highlighted.

Working with the tree. Initially You see the full tree expanded. You may wish to **resize the window**.

Collapse reduces the display to the top level branches.

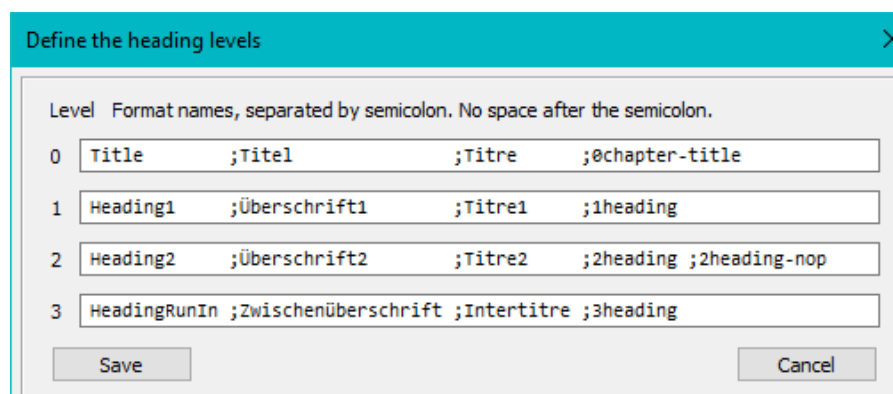
Expand displays all branches and sub-branches.

Branches can be expanded by clicking on the + symbol and collapsed by clicking the - symbol.

Jump to the document location by clicking (not double clicking) on a line (which is not indicating a pseudo level) .

Go back to the previous target with button << (Back). Thus you can walk back the chain of visited document locations⁷.

Determination of level. Button **Define** opens a dialogue to change the settings for the level definitions. It shows the current settings:



The levels are determined by means of a tabular definition which is kept in the file ETBextras.cfg in the Script directory, normally

%appdata%\Adobe\FrameMaker\##\StartUp\ETBextras\.

Multiple paragraph formats can be defined for a particular level. The initial table specifies heading levels for the standard FrameMaker templates (en, de, fr) and for the D+DD templates. Separate the format names in a line by a semicolon immediately before the next name.

Misconfiguration of this table may lead to an empty tree which is reported by an error message.

⁷ Since both the button Jump Back  and the << button on this panel use the Hypertext command gotoObjectId these two buttons maintain the same chain of targets. Hence they can interfere.

Clicking on the tree item does not jump	This may happen, if you have used the Jump Back button rather than the << button on the panel. Just select any other target in the tree and then the desired one.
Refresh button	You need to use this button if you have changed heading paragraphs (e.g. inserted or deleted a heading, changed a heading text). You must also refresh the tree after changing the document.
See the heading tags	If you want to see the heading tag names rather than the heading texts, check the box at the bottom and use Refresh .
Initial size and placement	The palette is initially placed to the right side of the FM window. This placement can be overridden by settings in ETBextras.cfg:

```
[ETBdocNav]
; --- Initial width and height of tree display (see documentation)
Tree_width = 250
Tree_height= 100
; --- Initial position of the palette from top and left of screen ... (see
documentation)
DocNav_top = 10
DocNav_left= + 0
```

DocNav_left can indicate 3 locations:

- xxx The palette is positioned xxx pixels from the left of the screen (absolute placement).
- +xxx The palette is positioned xxx pixels to the right of the FM window.
- xxx The palette is positioned to the left of the FrameMaker window with a gap of xxx pixels.

Tree_height defines the height of the tree view - this is only part of the palette height. A value < 250 leads to a palette height the same as the FrameMaker window height.

External utility TextHelper



During the installation of ETB an entry in the **Startmenu > D+DD** is created, which starts this utility.

Texthelper manifests itself by an icon in the system tray. Right clicking on it displays a context menu.

Texthelper establishes the following keyboard short cuts with the Windows key (⌘):

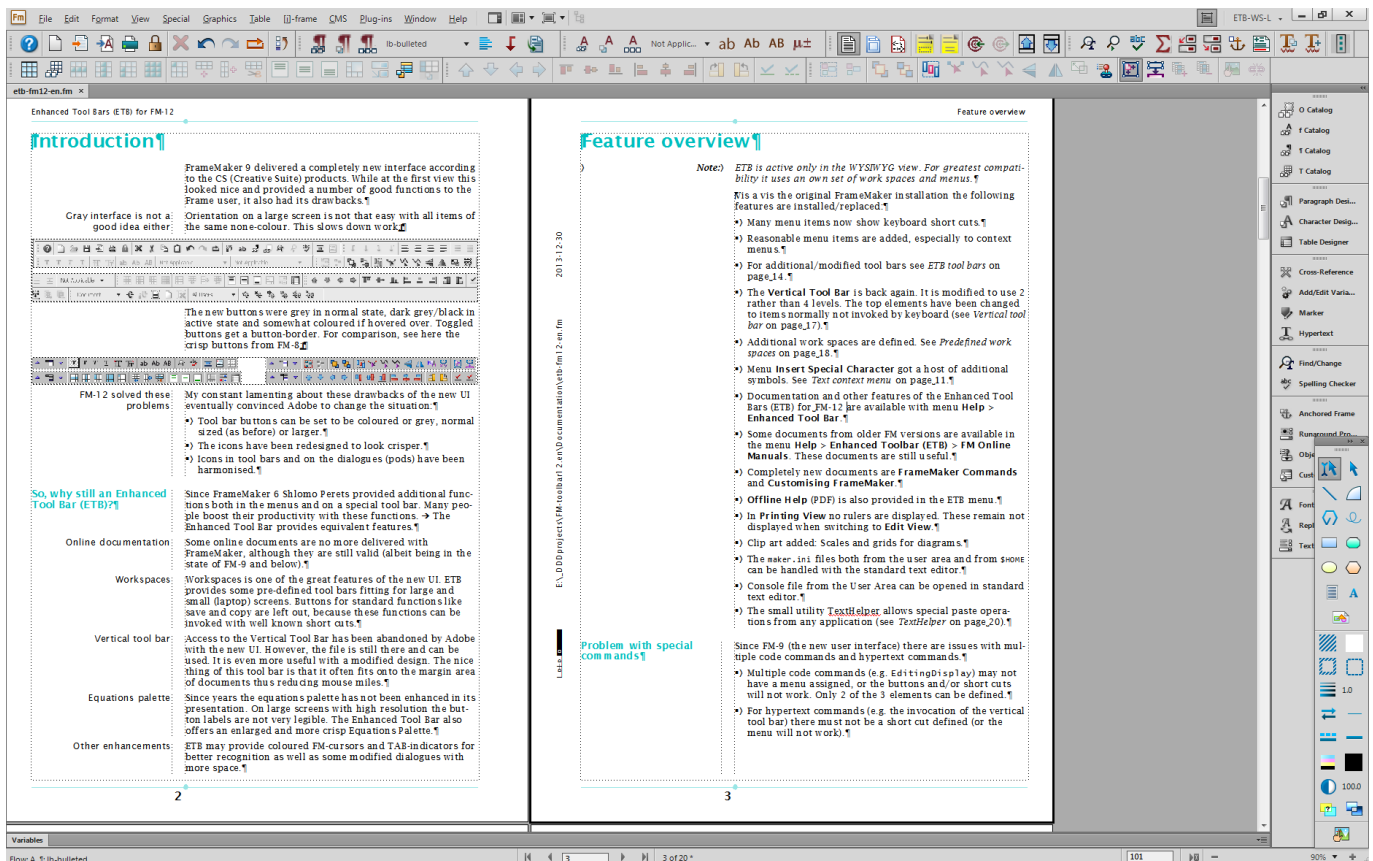
- ⌘+v Paste the clipboard contents without formatting information, that is, just plain text (including line breaks. This functions is handy to copy from other applications, including web pages, but also with FrameMaker.
- ⌘+space Remove sequences of spaces to one before pasting the text (without formatting information).
- ⌘+u Change \ to / before pasting the text (without formatting information).
- Note:** *The following two functions work only correct if there exist only two document windows (most likely side by side). No book window must be open. Before invoking the function focus must be in one of the document windows.*
- ⌘+y The currently active and then the other document window is scrolled *down* by one document-page⁸.
- ⌘+x The currently active and then the other document window is scrolled *up* by one document-page.

8 In the ETB the keys **Page down** and **Page up** advance the display a document page, not a screen height.

Predefined work space ETB

Note: In FM-14 the size of the tool bar buttons depends on the setting of the Windows Zoom factor. For 100% – normal setting on up to 100dpi screens – the smallest icons (18×18 pix) are used. For a 4k screen with up to 300 dpi the largest icons (36×36 pix) are used.

- Depending on your screen width (assumed 1920 pixels) you may need to re-arrange the tool bars and save the work space..



The pods to the right show icons and names. Graphics tools are arranged below the pods. These UI elements are not modified by ETB and hence are not coloured (picture is of FM-13).

General notes on workspaces

- When You start FM and have not yet opened a document, the list of workspaces contains only None.
- In this stage the ETB menu items are already available, but not the toolbars.
- While a book or document is open all menus and toolbars are available.
- After closing the last book or document again only workspace None is defined. At this stage (although similar to the first one) no ETB functions are available.

Shortcut overview

Shortcuts with function keys

a	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
Just the key	Help	Default paragraph format	Repeat last find	Repeat paragraph command	Repeat character command	Repeat last action from undo history	Select condition tag	Select character tag	Select paragraph tag	Repeat element command	Previous screen	Next screen
Shift + ...	File information	Go to previous view Also ESC ←	Go to next view Also ESC →	Cascade windows	Tile windows	Object properties	Conditional text	Change dialogue to As Is	Change dialogue to selection	Show context menu	Place paragraph at top of col.	Place paragraph anywhere
Ctrl + ...	Zoom 100%	Zoom in (larger)	Zoom out (smaller)	Close document	Show/hide conditional text	Switch between documents	Select area with same condition	Select area with same char format	Transpose characters	Select entire paragraph	Select sentence	Select line
ALT + ...	Change text to lower case	Change text to initial caps	Change text to upper case	Close dialogue box, Quit FM	Anchored frame	Update references	Copy conditional text settings	Copy character format	Copy paragraph format	Copy table column width	Insert cross reference	PDF set up
Insert, ...	Fit page in window	Make text unconditional	Move insertion point to next pgf	Update paragraph tag	Show/hide graphics	Show/hide condition indicators	Deselect condition tag	Show a single condition	New paragraph tag	Spelling checker	Unwrap frame, put below pgf	Shrink frame, make in-line

a. Light blue area: command works only on un-tabbed documents: Light yellow area: only for undocked panels. Light red areas: commands opens a dialogue/panel.

Short cuts with Insert key

Home	End	←	→	↑	↓						!	?
Top cell in table row	Bottom cell in table row	Previous table cell	Next table cell	Cell above	Cell below						j inverted !	z inverted ?
a	b	c	d	e	f	g	h	i	j	k	l	m
^a ord. fem.	· bullet	© copyright	† dagger	... ellipsis	ƒ florin	ß German ss	æ æ ligature	Æ AE ligature	‡ d. dagger	œ oe ligature	Œ OE ligature	— m-dash
n	o	p	q	r	s	t	u	v	w	x	y	z
- n-dash	° ord. masc.	¶ paragraph	š s hacc	® registered	§ section	™ trademark	μ my	¢ cent	£ sterling	× multiplay	¥ Yen	¤ currency
1	2	3	4	5	6	7	8	9	0	-	-	.(period)
¼ quarter	½ half	¾ 3 quarters				ø oere	Ø Oere		° degree	macron	- non break -	· centred dot
%		/	[]	<	>	~	"	'	+	:	
‰ per 1000	¡ broken vert.	/ fraction	«	»	<	>	˜ tilde acc.	" straight "	' straight '	± plus minus	÷ division	

Shortcuts with Control key

0	1	2	3	4	5	6	7	8	9			
Select variable	Insert elemen	Wrap element	Change element	Select In condition tag	Select Not In condition tag	Select Un-conditional	Edit attribute	Select character tag	Select paragraph tag			

Escape sequences

A complete list ordered by function area is available at [FM-ESC-sequences.pdf](#).

Little known short cuts

CTRL+TAB switches between open documents, but also from a pod (e.g. Find) to the active document. Hence To replace something manually:

1. CTRL+f
2. Write text to be found
3. ENTER
4. CTRL+TAB
5. Write text to replace the found one (highlighted).

2022-12-14

E:_DDDprojects\ETB-14up\Docu\ETB14up-en.fm



History of ETB development ⁹⁾

I started numbering my work correctly only with ETB v7, although the very first versions of the tool bar modifications go back to FM-6. Then Schlomo Perets provided the Enhanced Tool Bars and I only made modifications to support the German UI of FM.

- 1.1 2010-01-27 Change installation process to protect MT's work.
- 1.2 2010-01-27 First issue for FM 7.2. New installation program (same as for FM-8).
2010-02-05 Installation: support multiple FM-users;
Tool bars: correct handling of characters "degree" and "multiFM-8 ly"; vertical tool bar modified to 2 levels
- 4.2 2014-10-27 Use both etb-vertqab and etb-equation from fminit\configui\
- 5.0 2015-01-20 No changes in fminit\configui\CustomUI.cfg, but elsewhere in the ETB files
- 6.0 2015-06-03 FM-13: First issue based on ETB-12. Bug in FM-13.0.0.331: the vertical tool bar can not be accessed via menu, only via the tool bar button. This becomes a persisting change.
2015-05-10 Installation routine: Group frame around optional GUI mods in UI, changes in customui.cfg
- 7.0 Here I made a great mistake and confused the ETB version according to the FM version (9 11).
2015-06-10 Menu bug in FM still exists; Documentation updated: Customising FrameMaker 12 ..., MIF Reference for FM-13.
2015-11-27 Menu bug corrected in FM. New User Guide pdf.
2016-01-14 ETB user guide: Clarifications concerning utility TextHelper
2016-08-30 Installation now works also in x-32 systems (before only in x-64 systems - AHA2EXE parameters changed)
2016-09-05 Coloured cursors/tab-icons added for 13.0.4.532
2017-04-11 Rework things for FM-9, 10, 11, 12.
2017-04-11 FM-13 upwards only - changes in customui.cfg
2017-04-28 Legal remark concerning the installation of a modified dll (coloured cursors etc).
- 7.1 2017-06-26 First issue for FM-14.

⁹ This section is copied from *Developer log FM-tool bars*. It may be incomplete here.

2017-06-30 Test for valid build; 7.0 and 7.1 use different method for icons (has changed with FM update).

2017-07-12 etb-Diagrams.fm updated - and error found concerning "Grouping purely vertical lines".

7.2

2017-10-30 IniWrite to [Preferences] rather than [Frame] Adaptation to last FM-release 13.0.5.547.

Flyout "Insert special symbol" replaced by script, because flyout can not be extended with UniCode symbols.

Toolbar object-align: buttons "nudge object" (large arrows) replaced by button which provides information about the method using the keyboard.

7.5

2018-03-05 cfg files can be UTF-8 since FM-15¹⁰

Installation corrected for x64 systems.

New name for installation file (...ETB... rather than ...toolbars...).

2018-08-27 First issue for FM-15.

7.6

2019-05-16 Place ETB private items in section D+DD rather than Frame (maker.ini)

8.0

2019-09-24 Establish FMident menu, update documentation.

Additional short cuts for Previous/Next View (Esc ← / Esc →) 'analogous' to Acrobat.

9.0

2020-03-26 Rework the structure of ETB installation files to be responsible for FM 14 upwards:

Ancillary scripts combined into ETBextras.jsx

ETB menu re-arranged and placed in FM-ident menu to the left of the file menu.

9.1

2020-04-06 Adaptation to functions which will be provided in FM-16: Sentence Case; Delete Table Row, Delete Table Column.

Hence get room in table TB by combining Cell Alignment into drop-down list. Get Room in Character TB by combining the Case conversions into drop down list.

10.0

2021-05-27 Replaced button for **Jump next** (which worked only in view mode) by **Regain display**. This function is very desirable if a script has left the display 'hidden'.

11.0

2022-10-19 Complete re-do of the installation process, coping with FM-UI languages de, en and fr.
Establishing tool bar ETB_struct
Get FM-related PDFs from my web-server.

¹⁰ This would probably allow to extend the Insert Symbols flyout - but too late...

