

Better PDFs with FrameMaker

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PDFs authored in FM may have **A**

- **Bookmarks**

from specified paragraphs or elements

- **Links**

from cross-references or hypertext markers

- **Metadata (DocInfo fields)**

from File > Info

- **Notes**

from the alert hypertext marker



PDFs authored in FM may have **B**

- **Article threads**

from flows

- **Cropping**

simulating custom page sizes

- **Named destinations**

generated automatically or defined manually through hypertext markers

Print to PS vs. Save as PDF

- **When Saving as PDF, FrameMaker uses Distiller to create the PDFs**
- **Save as PDF function improved in FM7, but I still recommend printing to PS and distilling**
 - **Switching of printer drivers affects font metrics or available fonts**
 - **Warnings / error messages are not reported**



FrameMaker books

A FrameMaker book can be converted to a single PDF or to as a set of separate PDFs (chapters).

Target filenames of automatically created cross-file links (hypertext or cross-references) depend on the way you print your files/books to PS or Save as PDF.

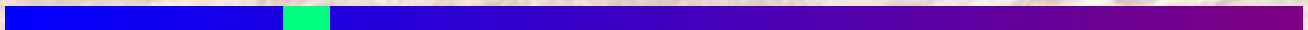


FrameMaker's bookmarks

- **Extracted from pgf/element tags in body pages**
- **Contain all paragraph text (with autonumber)**
- **Can only point to items in current PDF**
- **Problems with non-standard characters**

FrameMaker's bookmarks

- **FM7.0 lets you control collapse/expand state (type a number indicating level)**
- **Can include paragraph tag (don't use!)**
- **Disconnected text frames or multiple flows disrupt order of bookmarks**
- **Several bugs/limitations related to bookmarks from element tags**



Many hypertext markers

- **But several are not converted to PDF**
*exit, matrix, message, message system,
message winexec, popup, quit, quitall*
- **And others do not offer a unique value**
*...fitwin variations ignored
open... is same as goto...*



Hypertext commands used

- **newlink, gotolink**
- **nextpage, previouspage**
- **previouslink**
- **message URL (web, mail, ftp)**
- **message openfile**
- **alert**



Cross-references

- **Cross-references contained in text insets are not carried over to PDF**
- **But all others do... beware of unintentional links, such as**
 - **Cross-references in headers & footers**
 - **Cross-references to external files which only serve to store dynamic text**



Metadata

- **Can be helpful with advanced searches, orientation**
- **Title**
 - **Displayed in the Search Results window**
 - **Can be displayed in Document's title bar (if "Display Document Title" or "resize window to initial page" are set)**
 - **Spoken by some text-to-speech engines**



Default document view

- **PDF opens with bookmarks visible if bookmarks are generated**
- **FM7 can also specify opening page and default zoom**

Article threads

- Each tagged flow can become an article thread
- Decide whether useful for your audience
- If you use articles: “thread by column”
- Acrobat 6 “Enable text selection for Hand tool” preference introduces additional article complications



Named destinations

- **ObjectID named destinations written for all paragraphs (Gn.nnnn...) to support gotoObjectid markers in generated files**
 - **Controlled through the Links tab of PDF Setup dialog box**
 - **When this is turned off, however, random named destinations may be missing in the PostScript output (causing bad links or bad bookmarks)**



Named destinations

- **Additional destinations created for**
 - **Cross-reference and index markers**
 - **Element attributes (Structured FM) FrameMaker, named destinations**
 - **First / last page of document, all page numbers**
 - **newlink markers (M8.newlink prefix)**

Cropping

- **Simulates custom page sizes, affects display and printing**
- **Registration marks are placed in the cropped margins, unless a larger page size is specified [FM7]**



PDFs from FrameMaker

- **Ideally... FrameMaker should natively support all relevant PDF features**
- **But it does not – and features added in Acrobat “disappear” when you redistill**
- **PDF = final format!**
- **Re-inserting features every time the source file is redistilled is not practical**



PDF production line

- **Rely on automatically-generated data as much as possible**
[built-in FrameMaker capabilities]
- **Add other features to your source files: Define once, distill again and again and again...**
[FrameMaker-to-Acrobat TimeSavers]



Enhancing FM-to-PDF workflow

With TimeSavers, you get:

- **Better bookmark control**
- **More linking options and handling of link appearance**
- **Shortcuts for inserting all Acrobat features in FrameMaker documents**
- **DocInfo control, UnBloat and more**



Bookmark Controller

- Collapse the bookmark hierarchy to first or second level
- Remove paragraph numbering
- Merge bookmarks
- Extract figure/table bookmarks
- Add & sort quick-access bookmarks
- Handle special/Unicode characters
- Re-order custom bookmarks
- Colorize/style bookmark by text/level
- Change/remove bookmark start



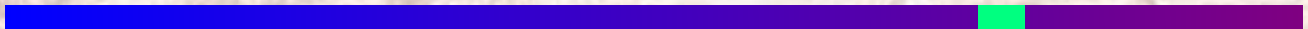
Link controller

- **Globally control link attributes (border line width, line style and color, highlight)**
- **Make link rectangles printable (for QA)**
- **Force cross-file links to open in a new window**
- **Force file names in cross-file links to all caps or all lowercase**
- **Suppress links with negative lower-left coordinate (useful with cross-references in PostScript text frames)**



TimeSavers extensions

- **Navigation Assistant**
- **Forms Assistant**
- **Presentation Assistant**
- **Defaults Assistant**
- **Multimedia Assistant**
- **3D Assistant**



Sample TS ~shortcuts

Hypertext markers supported when distilling with TimeSavers

■ **Common Acrobat functions, e.g.:**

- alert ~SearchLink
- alert ~SearchBmk (Bookmark Title) /CS

■ **Annotations, e.g.:**

- alert ~note /TLC0 (Note Title) (Contents)
- alert ~RevBmk (RC:my comment...)



Sample TS ~shortcuts

- **External references, e.g.:**
 - alert ~PdfNewWinLink (filename)
 - alert ~MovieURLLink (MovieTitle)
(www.microtype.com/sample.mov)
- **Multi-purpose, e.g.:**
 - alert ~NamedActLink /ActionName
 - alert ~NamedActBmk (Bookmark Title)
/CS /ActionName



Sample TS ~shortcuts

■ Navigation, e.g.:

- alert ~PageFirstLink
- alert ~ViewNextLink

■ Web-related, e.g.:

- alert ~MailtoLink (recipient@domain.com
?Subject=Suggest a new feature
?Body=Ego ille quem nosti apros)
- alert ~httpBmk (visit web page) /CS
(WebAddress)



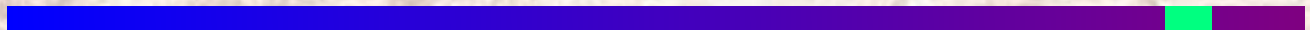
Sample TS ~shortcuts

■ Quick Access bookmarks

- alert ~Bmk (term) /Destination
- alert ~BmkNote (term) /Destination
(Note Content)

■ Acrobat JavaScript, e.g.:

- alert ~JSLink (JavaScript code)
- alert ~JSBmk (Bookmark Title) /CS
(JavaScript code)



Sample TS ~shortcuts

- **Page-specific, e.g.:**
 - **alert ~RotatePage 90**
 - **alert ~PageOpen ActionSpecification**

More information and samples

**Visit <http://www.microtype.com>,
TimeSavers and Showcase sections**

