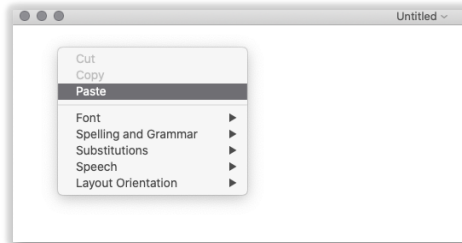
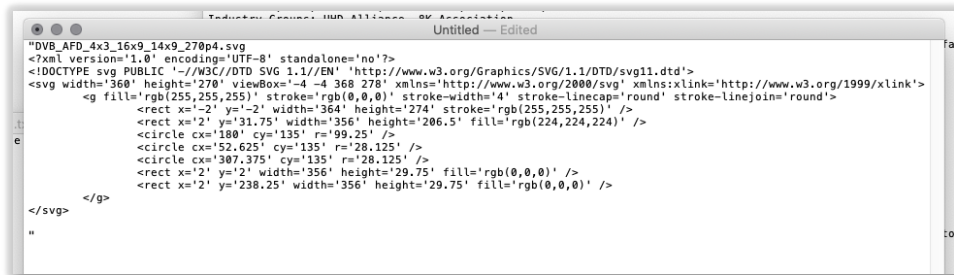


4. In text editor of choice, create a new document and paste

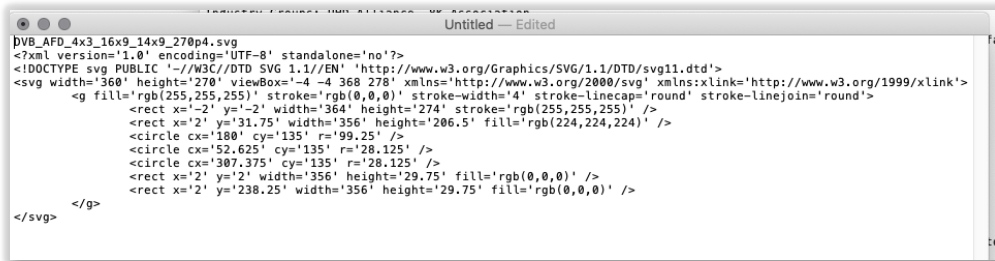
a.



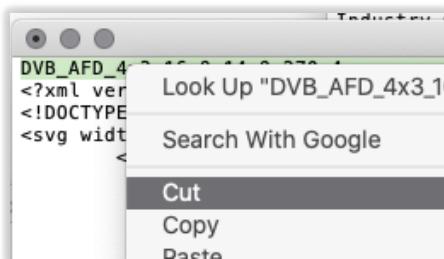
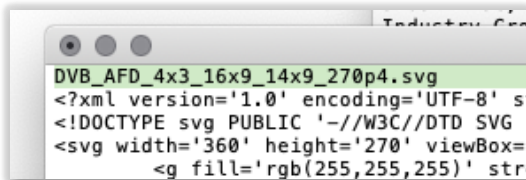
b.



5. Delete double quotes at start and end of file

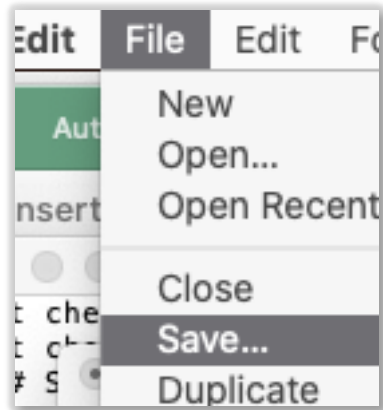


6. Select and cut first line, containing the file name

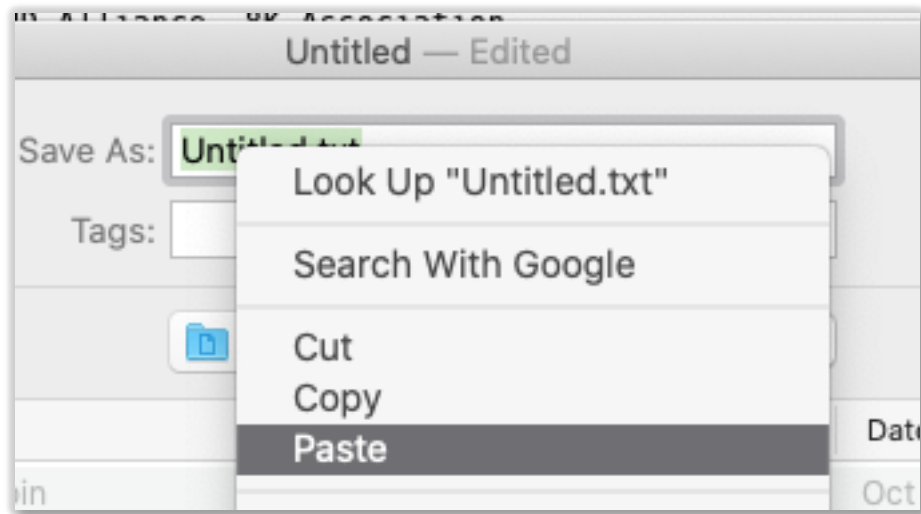


7. Save file, using the cut file name

a.

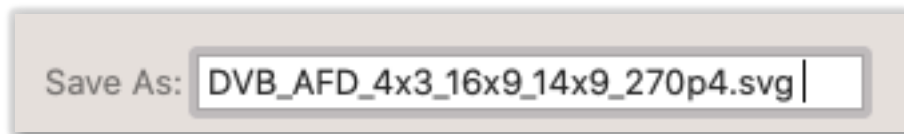


b.

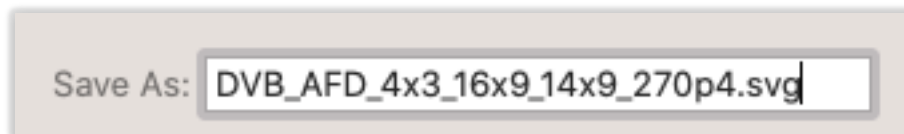


8. If necessary, delete trailing space

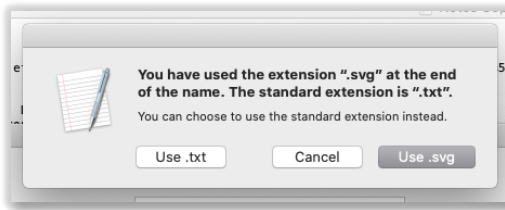
a.



b.



9. Make sure to use ".svg" file name extension

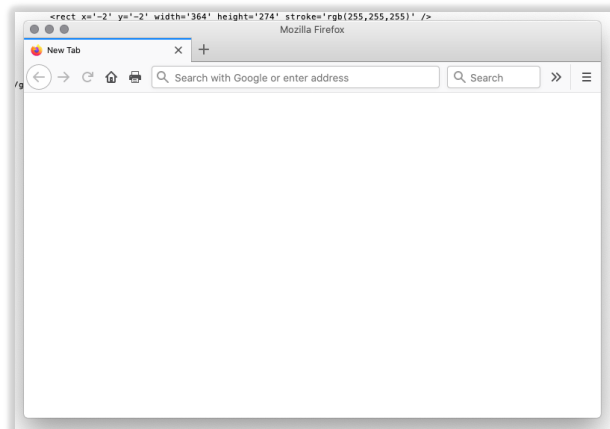


10. File looks good

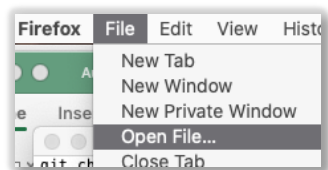


11. Open file in web browser

a.



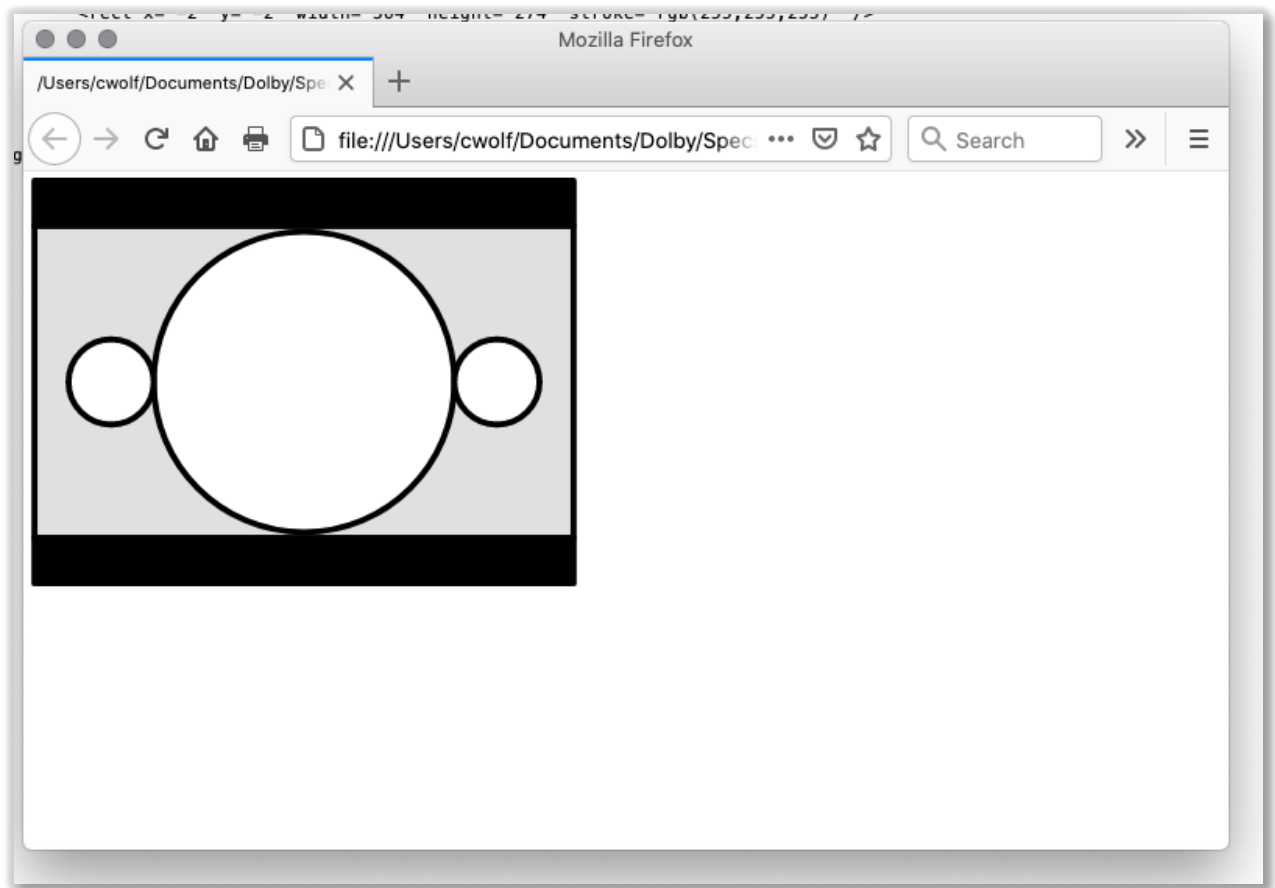
b.



c.

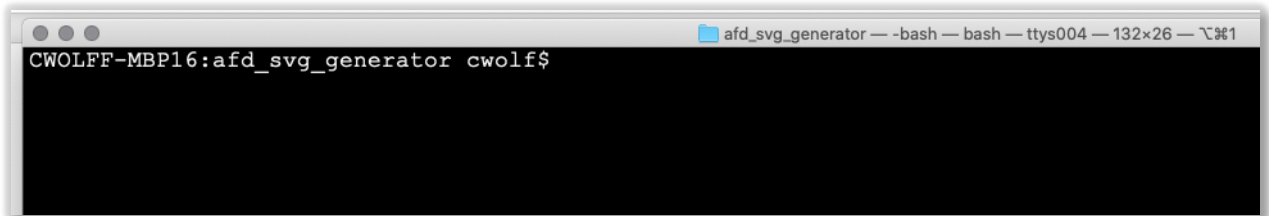


12. Verify diagram looks as expected



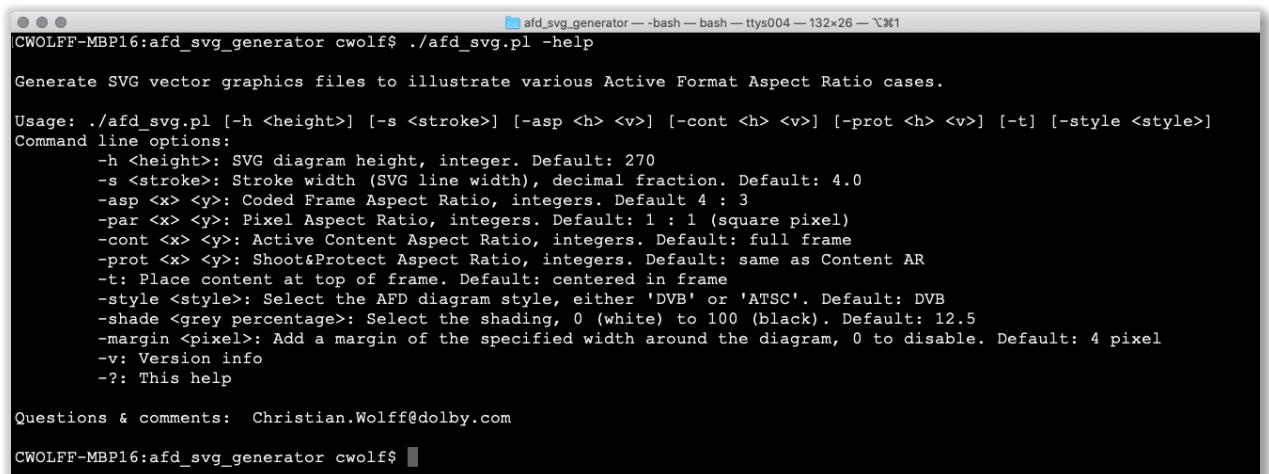
How to: Create AFD diagrams in SVG Format (Perl script)

1. Open a shell



```
afid_svg_generator — -bash — bash — ttys004 — 132x26 — 11
CWOLFF-MBP16:afid_svg_generator cwoff$
```

2. Run perl script with '-help' option for detailed instructions



```
afid_svg_generator — -bash — bash — ttys004 — 132x26 — 11
CWOLFF-MBP16:afid_svg_generator cwoff$ ./afid_svg.pl -help

Generate SVG vector graphics files to illustrate various Active Format Aspect Ratio cases.

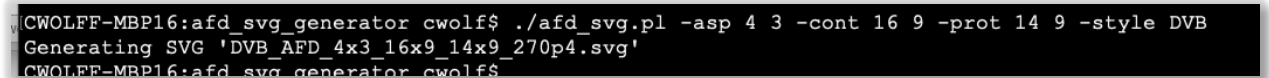
Usage: ./afid_svg.pl [-h <height>] [-s <stroke>] [-asp <h> <v>] [-cont <h> <v>] [-prot <h> <v>] [-t] [-style <style>]
Command line options:
-h <height>: SVG diagram height, integer. Default: 270
-s <stroke>: Stroke width (SVG line width), decimal fraction. Default: 4.0
-asp <x> <y>: Coded Frame Aspect Ratio, integers. Default 4 : 3
-par <x> <y>: Pixel Aspect Ratio, integers. Default: 1 : 1 (square pixel)
-cont <x> <y>: Active Content Aspect Ratio, integers. Default: full frame
-prot <x> <y>: Shoot&Protect Aspect Ratio, integers. Default: same as Content AR
-t: Place content at top of frame. Default: centered in frame
-style <style>: Select the AFD diagram style, either 'DVB' or 'ATSC'. Default: DVB
-shade <grey percentage>: Select the shading, 0 (white) to 100 (black). Default: 12.5
-margin <pixel>: Add a margin of the specified width around the diagram, 0 to disable. Default: 4 pixel
-v: Version info
-?: This help

Questions & comments: Christian.Wolff@dolby.com

CWOLFF-MBP16:afid_svg_generator cwoff$
```


NB.: '-par' option is implemented in version 1.4 and above of the script

3. Run perl script with desired AFD parameters



```
CWOLFF-MBP16:afid_svg_generator cwoff$ ./afid_svg.pl -asp 4 3 -cont 16 9 -prot 14 9 -style DVB
Generating SVG 'DVB_AFD_4x3_16x9_14x9_270p4.svg'
CWOLFF-MBP16:afid_svg_generator cwoff$
```

4. Where bash shell is available, the 'afid_svg_set.sh' shell script will generate a full set of AFDs in a folder



```
CWOLFF-MBP16:afid_svg_generator cwoff$ ./afid_svg_set.sh 4
Creating AFD set with stroke 4, height 270, shade 12.5 and margin 4 in 'AFD_SVG_Stroke4'
Generating SVG 'DVB_AFD_4x3_16x9top_270p4.svg'
Generating SVG 'ATSC_AFD_4x3_16x9top_270p4.svg'
Generating SVG 'DVB_AFD_16x9_16x9top_270p4.svg'
Generating SVG 'ATSC_AFD_16x9_16x9top_270p4.svg'
Generating SVG 'DVB_AFD_64x27_16x9top_270p4.svg'

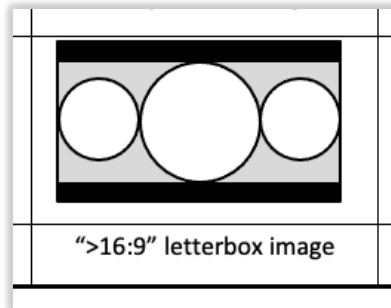
[ ... ]
```

5. Verify generated files in web browser, see step 11 above

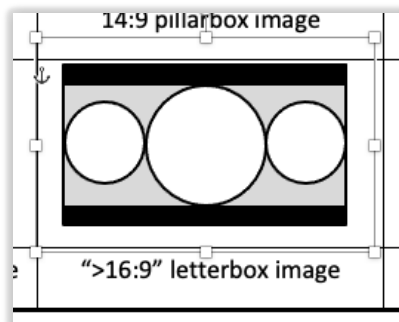
How to: Embed AFD diagrams in CTA-861 Word document

1. Click on diagram to be replaced, to select it

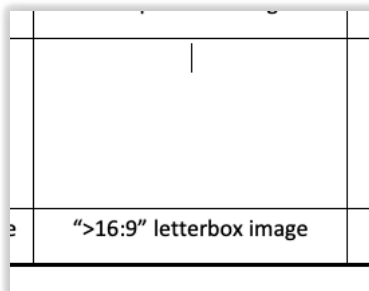
a.



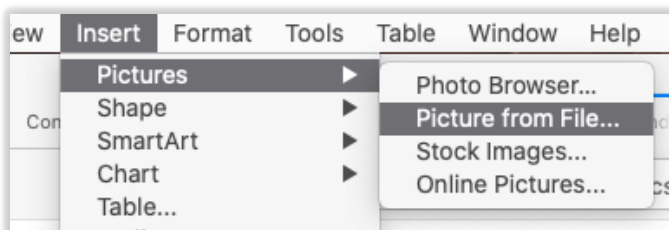
b.



2. Delete the old diagram, with Del / Backspace

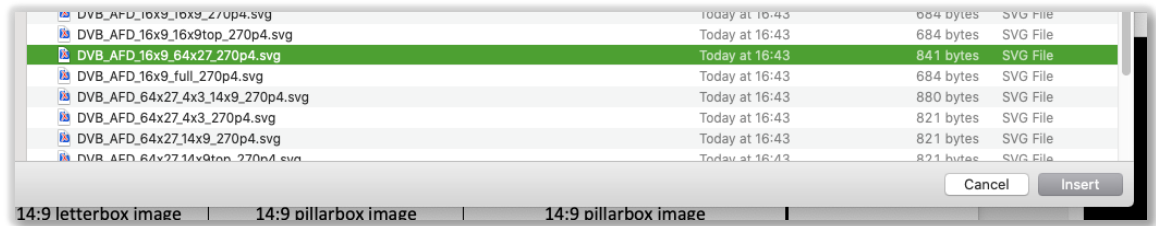


3. Place the cursor where the diagram was, and select from the menu "Insert" --> "Pictures" --> "Picture from File..."

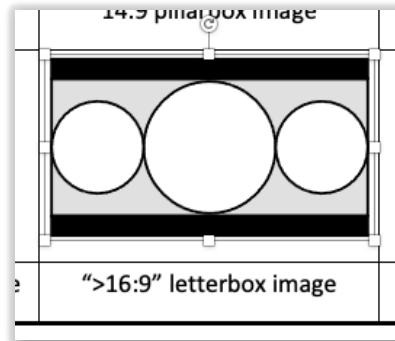


4. Choose desired replacement file and click "Insert"

a.

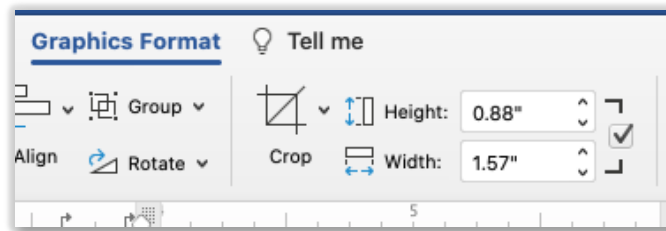


b.

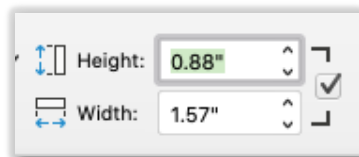


5. Adjust picture size, e.g. by setting a unified height. Make sure Height and Width are locked to each other

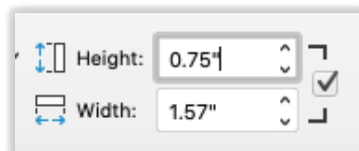
a.



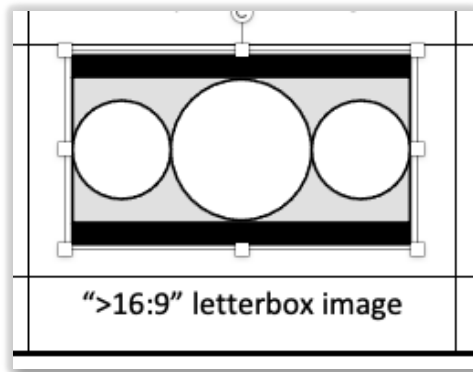
b.



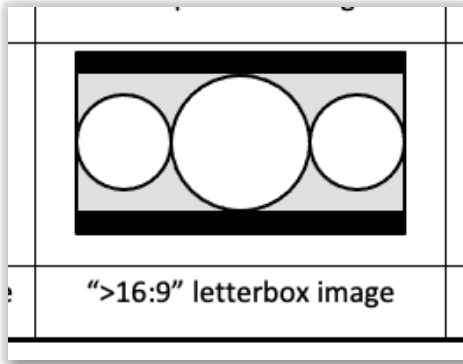
c.



d.



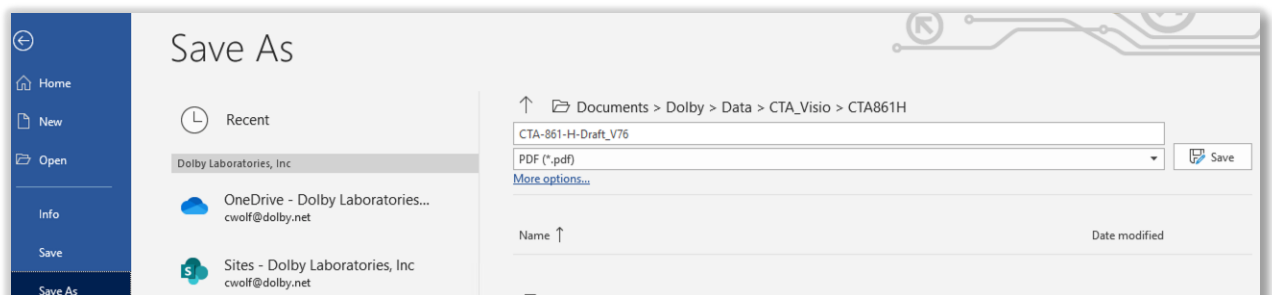
6. De-select the picture



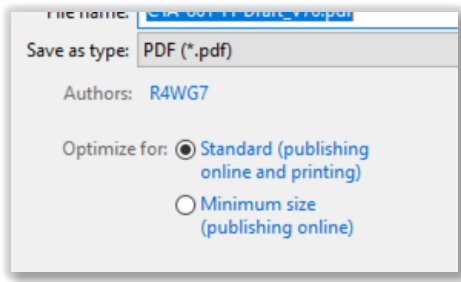
7. Done.

How to: Convert Word file to PDF

1. Use MS Word for Windows. Word for Mac and the online version on office365.com are insufficient and will not maintain SVG graphics as vector format in PDFs.
2. Select "File" --> "Save As..." and select "PDF (*.pdf)" (do **not** use "Print to PDF"!)



3. In "More options...", make sure that PDF format is "Standard":



4. Select a destination folder and a file name, if needed, then save the file.