

Printing banners with FM + Acrobat

After several failing attempts*) I have learned from germants@adobe.com that the problem can only be solved by reducing the printer resolution.

Restriction in Acrobat

The generated PDF must not contain more than 32 000 pixels in the larger direction of the page.

Environment

The following was developed with FrameMaker 7.2b144 and Acrobat 7.0.7 on XP SP2.

My poster

The poster i want to create is 1820 x 297 mm large. Hence I need to reduce the general resolution to 300 dpi (well I could set a value of 445 to be in the margins). But the poster will be printed on a large ink-jet anyway.

The image shows a detailed software version history table spanning from 1976 to 2005. The table is organized into several columns representing different software categories and their respective versions over time. Key categories include 'Roots', 'Batch formatting', 'Desk Top Publishing', and 'One World Publishing'. The table lists numerous software titles, their versions, and the years they were released, providing a comprehensive overview of the software landscape during that period.

To get a solution, you need to

- set up special joboptions in distiller
- use these in FrameMaker and when distilling
- create a PS file in FrameMaker and then distill - Save as PDF can not do the job.

Threshold resolutions

The resorlution for a given paper length must be smaller than the threshold resolution to get a correct PDF.

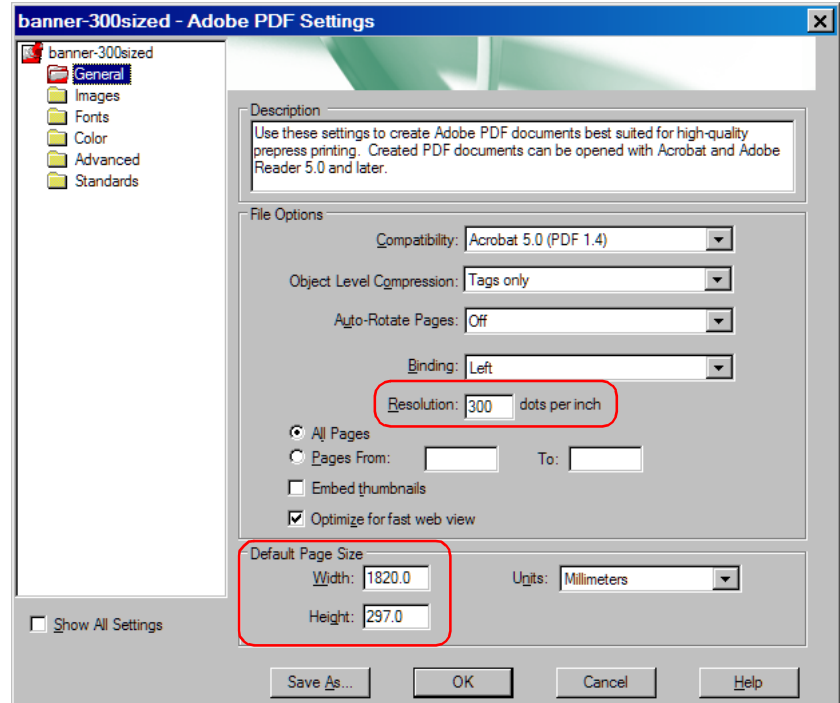
Paper format	Length [mm]	Threshold resolution [dpi]	Length [mm]	Threshold resolution [dpi]
A4	297	2736	1000	813
A3	420	1935	1200	677
A2	584	1392	1400	580
A1	840	967	1600	508
A0	1169	695	1800	451
			2000	406
Letter	279 (11")	2909	2500	325
Legal	356 (14")	2285	3000	271
Tabloid	432 (17")	1882	4000	203

* Standard methods just create a PDF of about landscape A3.

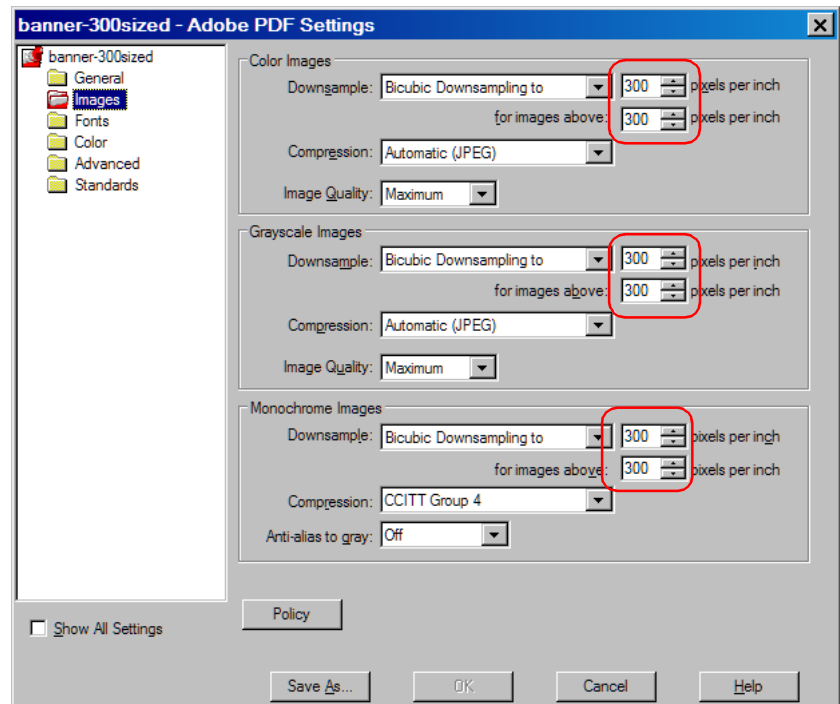
Distiller joboptions

For the task you need special joboptions. I have started with Standard.joboptions, then made the following modifications:

- 1 General tab: set resolution to 300 and the **Default Paper Size** to the size of the banner (1820×297).



- 2 Images tab: set the resolution for all types to the desired low value (in this example: 300), also the down sampling threshold («for images above»).



- 3 Save the joboptions with a reasonable name, for example banner-300sized.

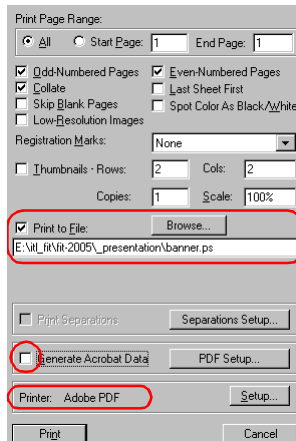
Settings in FrameMaker

Of course you need to define a custom paper size when setting up the document.

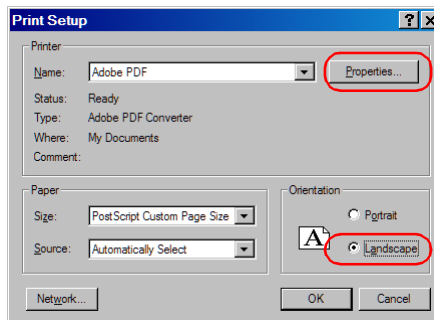
You can not create a banner with **Save as PDF**, because then you do not get access to all dialogues where you need to set the resolution.

Print to PostScript file

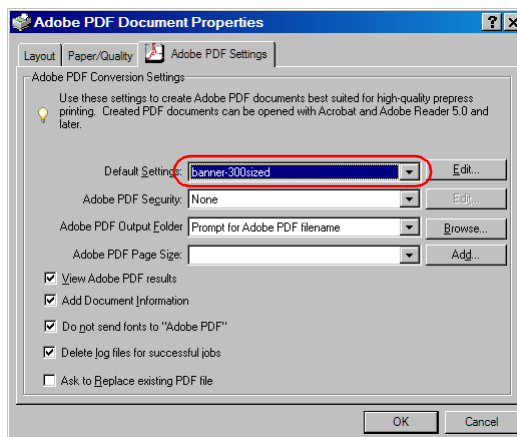
- 1 Set up the printer dialogue appropriately and select **Adobe PDF** as the printer.



- 2 Press **Setup...** and check **Landscape Orientation**



- 3 Then press **Properties** and assure the proper joboptions (the specially prepared ones) are selected

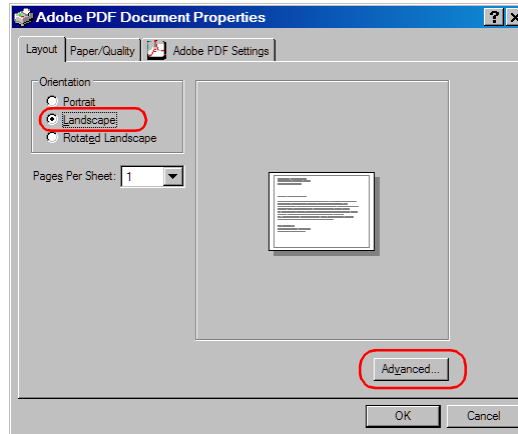


2006-03-08

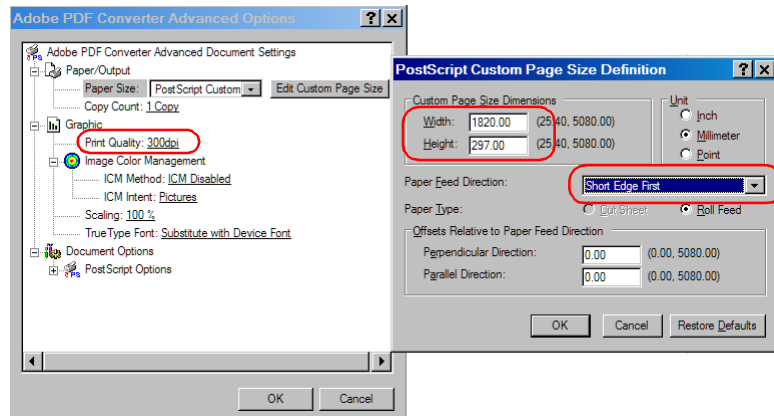
E:\itl_fit-2005_presentation\create-poster_fm

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- 4 Open tab **Layout** and set **Orientation** to landscape also here (if not set already). then press **Advanced ...**



- 5 Set the **Print Quality** to the necessary resolution and then press **Edit Custom Page Size** to define the paper size. The **Paper Feed Direction** is not relevant.



- 6 Click **OK** as often as necessary to come back to the Frame-Maker printer dialogue and print the PostScript file.

Distilling

In the distiller assure that you use the same joboptions as for the generation of the PS file (banner-300sized).

You should have a banner now!