OKI

Logo Header creation manual for DICOM Embedded Server

Server version V3.50 and over

LOGO Header creation for DICOM Embedded Server

1 How it works

To provide flexibility in creating a Logo, the best solution is to allow usage of whatever computer editing software users own for text/graphics edition.

Mixing this graphic work with the DICOM printout is based on PostScript forms. The Logo Header file can be packaged and downloaded to the printer with OKI free software: "Configuration Tool" or "Storage Device Manager".

Creation /design can be made with whatever software you want using the standard PS printer driver and asking for form creation in the advanced setting. Please refer to standard printer manual.

2 Recommendations

Resolution of the Artwork:

Each time a printout is made using the "Logo Header" function, the Logo Header file is computed in addition to the DICOM printing.

Therefore, be careful not to put a too high resolution Logo in the Header.

It is very easy to resize a high resolution logo to the adequate size in any page publishing program but resizing doesn't resample the image to remove the unuseful details. Sometimes, just resizing will produce a very high resolution logo file which will be processor consuming at printout time. If you notice a sensible loss in performance when you print with Logo Header option you certainly produced a too high res file for the purpose.

We recommend using Graphics at a resolution between 200 and 300dpi at 1:1 scale.

3 Limitations

You will need to use a MS Windows computer as the Storage Device Manager or Configuration Tool are only available for this platform.

Only one Form for the Header is available for one paper format in one Printer.

4 Page layout

A space for text header is reserved at the top of the page. This space is increased in case of use of graphical "Logo Header".

Space for text header variable from DICOM Server

Additional space taken for graphical header you will create

Printable area when Logo Header is selected
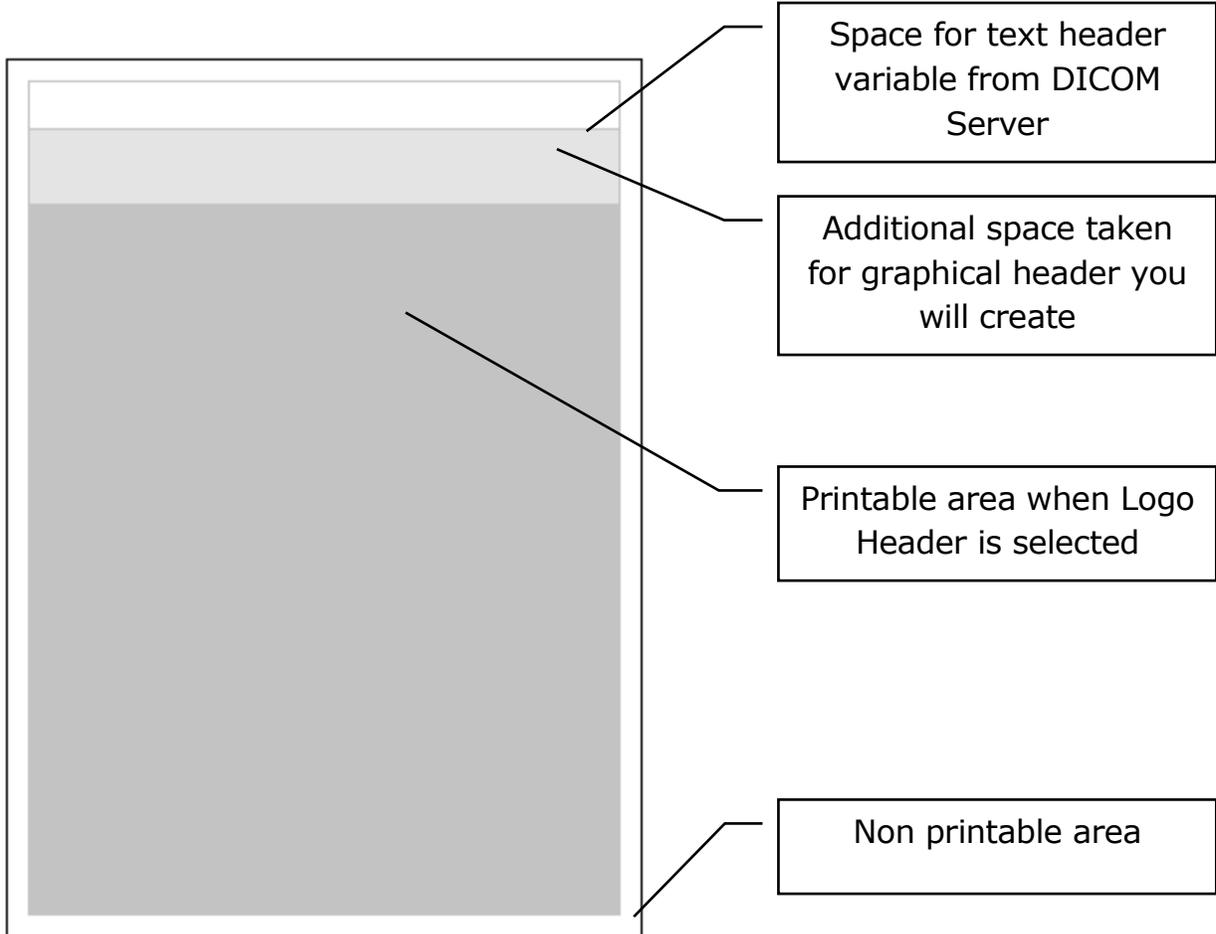
Non printable area

The reserved space on the DICOM page for the logo is always at the top of the A4/Letter or A3/Tabloid format.

The DICOM print area begins one inch (25.4mm) bellow the paper edge.

The unprintable area is 5mm around the page thus the remaining space is of 20.4mm for the Logo and/or text. If you want to have an equilibrated spacing with the DICOM maximum area printout, we recommend creating a 15 to 16mm height artwork starting at 5mm from Top of page.

5 Example using MS WordPad or MS Word

Open a new document in MS WordPad or MS Word.

First step is to select the paper format you want to produce accordingly with the format you want to DICOM print with the header.

1) Set the paper format to desired size A4, Letter, A3 or Tabloid.

2) <u>Keep page orientation in Portrait</u> even if you intend to produce Landscape DICOM printouts.

3) Adjust the margins to the printer printable area 0.5 mm each side.

Page format margins

4) Type your text and/or paste your logo in the upper part of the page.

Tips:
Reduce the MS Word window to show only the available area (align with the 2cms rule graduation).
Use the 0.75cm sub graduation to visualize the horizontal axis of the free area.
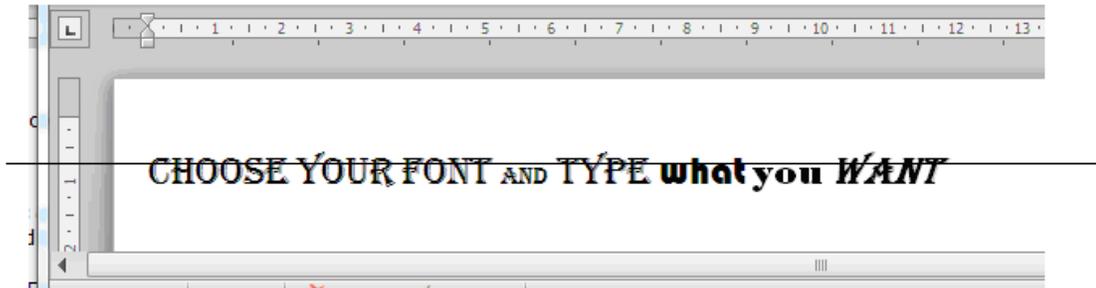
5) You have completed your Header creation.

You now need to produce the form file for the printer.

6) Print to file.

Up to the version of Windows and Office you use you may have to setup the driver for printing into File.
Go to the Configuration Panel and edit the PS printer properties.
Then in the "Ports" Tab, select File and apply.
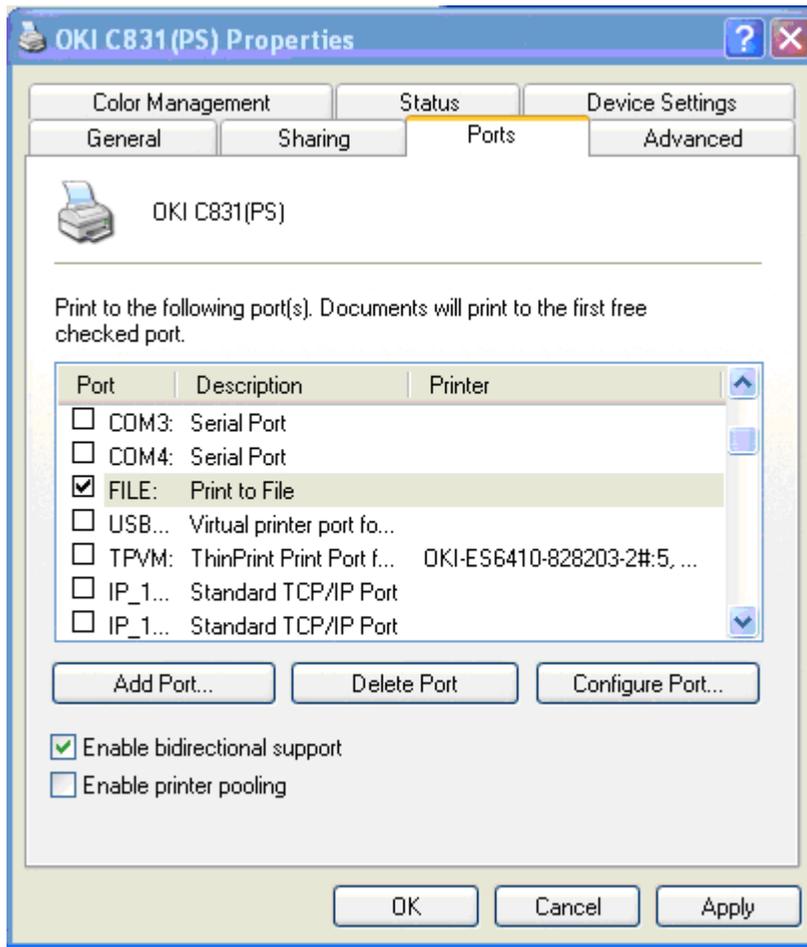
7) Set up the PostScript printer driver for forms creation.

In the print dialog from word go to Printer Settings.
Then Job Option Tab and click on Overlay button.
Select "Create Form".
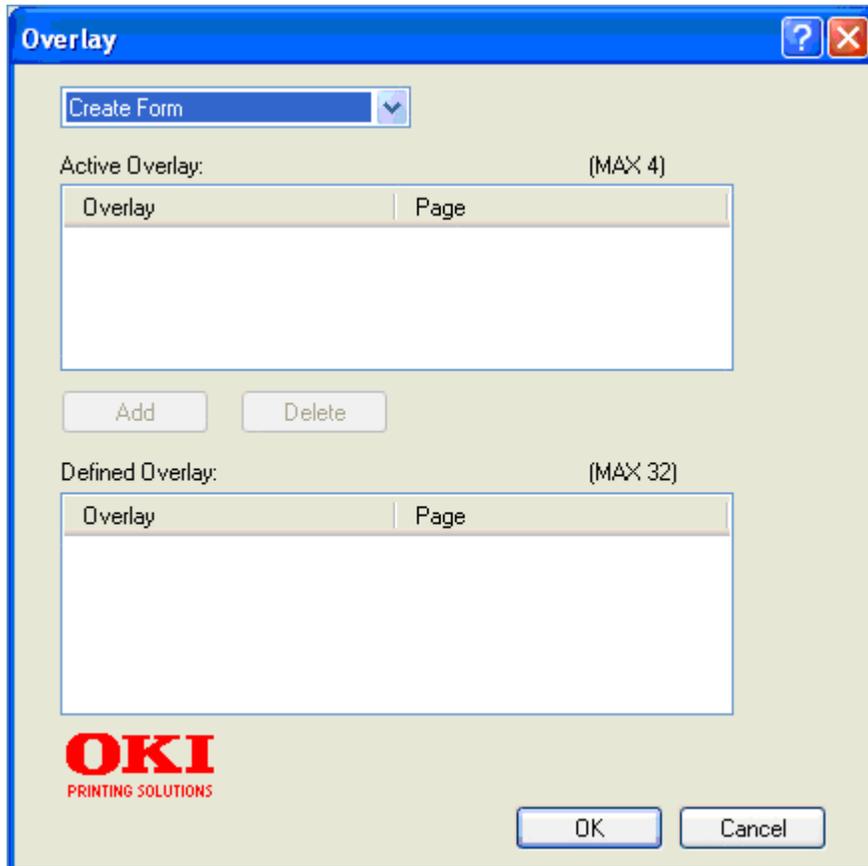
You should get a warning popup.
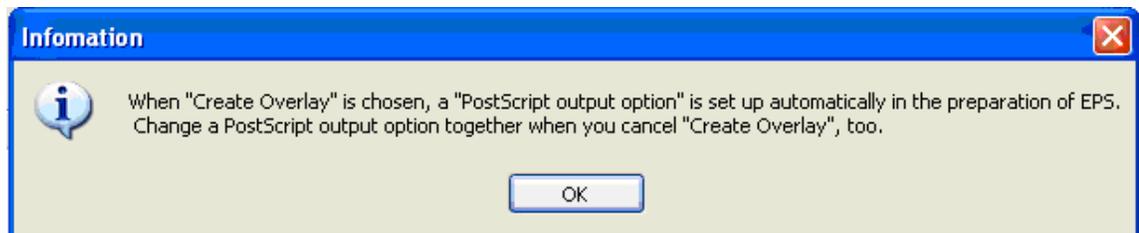
Apply and close Printer setting dialog.

8) Print to file.

Print your job.
A popup window will appear asking you for the file name you want to use.

Use full path naming for saving ie: C:\Dicomheaders\Header-A4.hst.

Names should be:
Header-A4.hst, for A4 paper
Header-A3.hst, for A3 paper
Header-Letter.hst for Letter paper
Header-Tabloid.hst for the Tabloid paper

9) Package the Forms and send them to the DICOM Embedded Printer, using Configuration Tool.

Install OKI Configuration Tool 1.6.5 or later on your computer if not already done.
Application is available on the Software DVD delivered with the printer and also on OKI web sites. User Documentation is included within the Software Help menu.

Step 1, Register your printer,
Launch Configuration Tool.
note: if you have already registered your printer go to step 2
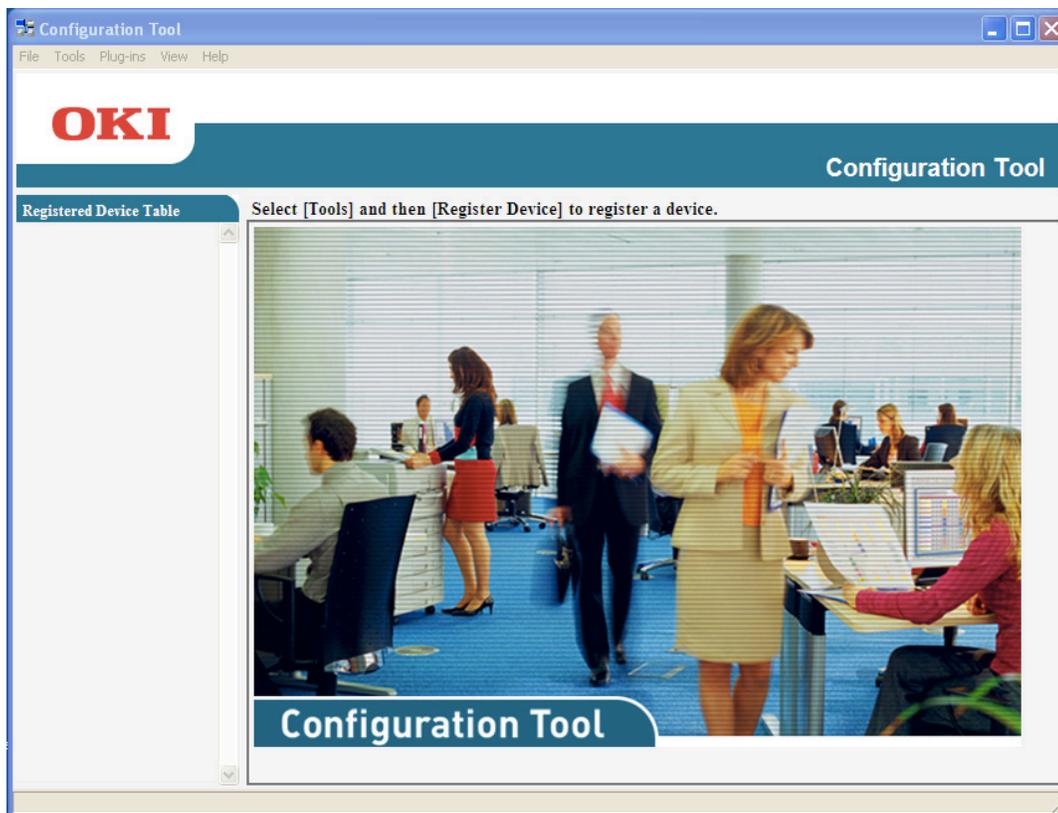
Click on Tool => Register Device, then select and register your printer.

Step 2, Launch Storage Manager.

Click on Plug-ins => Storage Manager
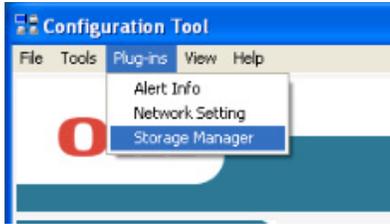
Search and select your printer at the bottom of the window.
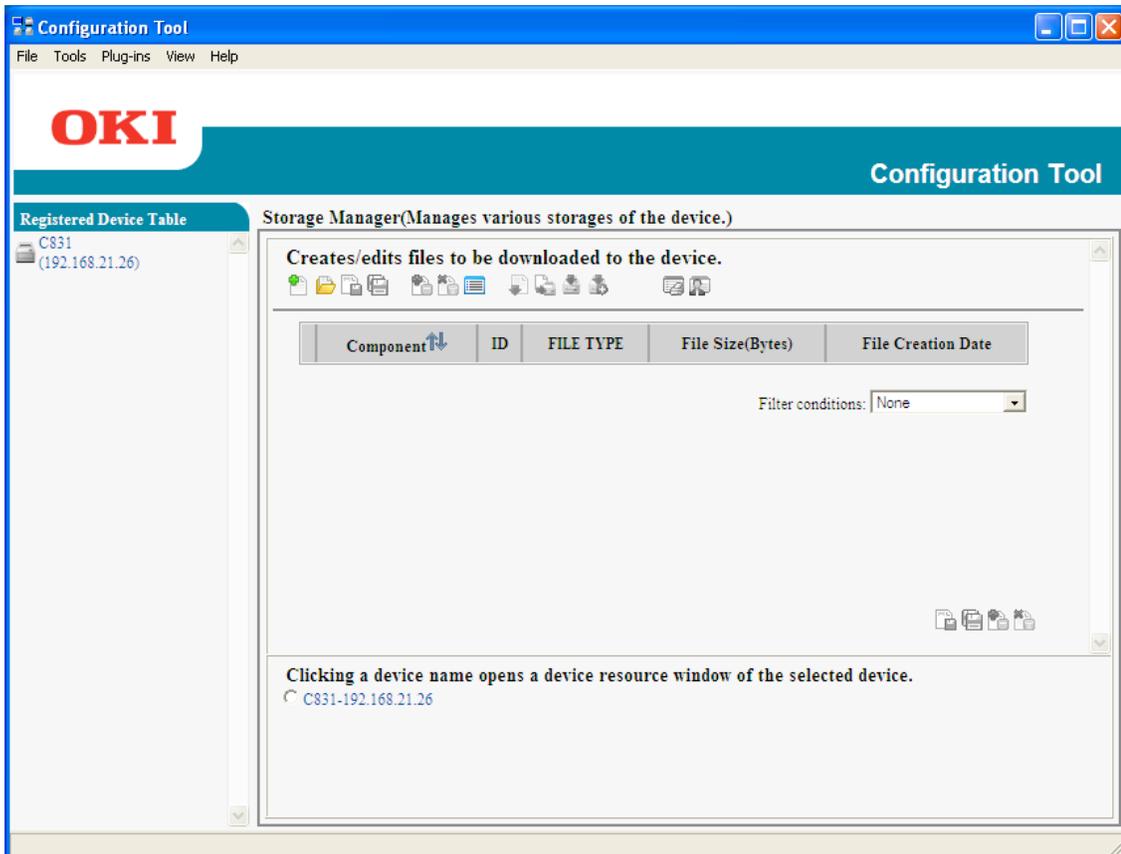
Create New Project.
Import the File(s) you just printed.
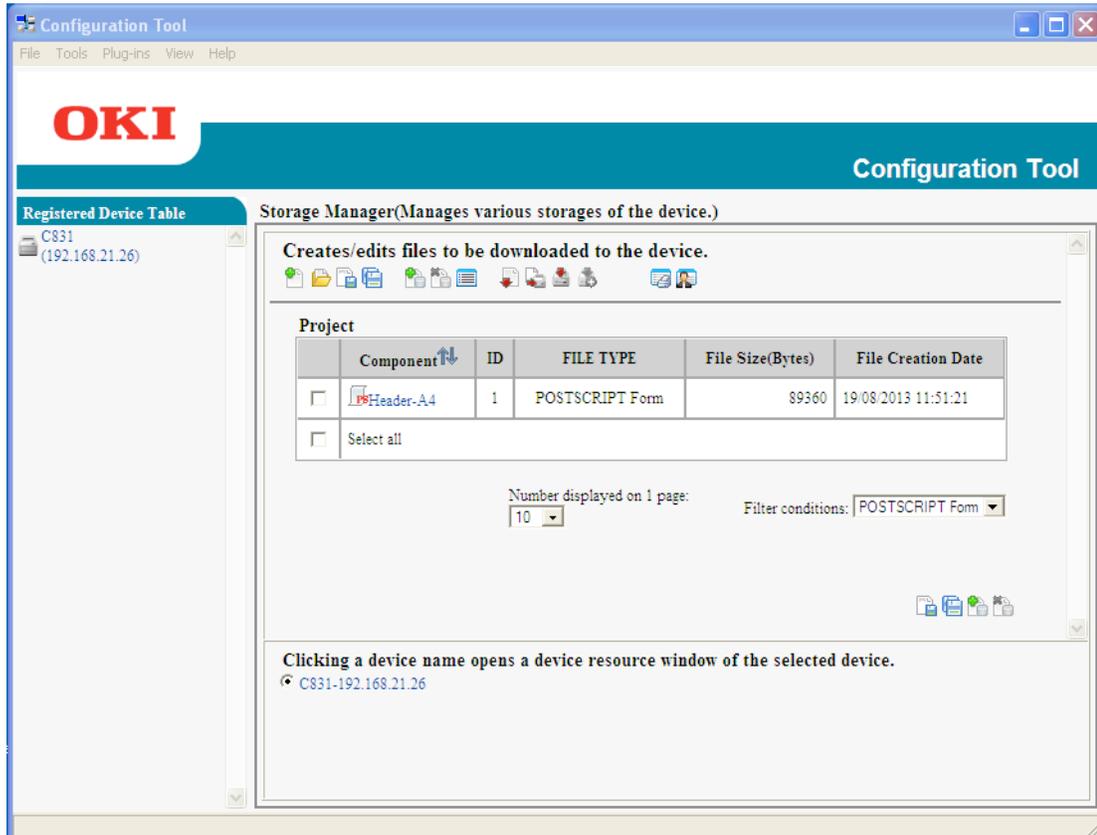
Header-A4.hst will be automatically transformed in Header-A4 form

MAKE SURE NAMING MATCHES EXACTLY THE SCHEME
Naming is case sensitive, if there is a mistake the Form will not work.

Repeat this step if you need to add another format Form.

Once all the wanted forms are listed in Projects select "Send Project Files to Printer".
You will receive confirmation with this Popup:
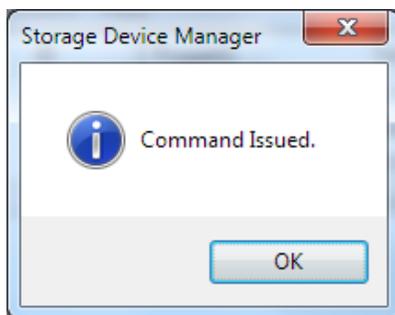
10) Package the Forms and send them to the DICOM Embedded Printer.

Install OKI Storage Device Manager on your computer if not already done. Application is available on the Software DVD delivered with the printer and also on OKI web sites. User Documentation is included within the Software Help menu.

Launch Storage Device Manager.

Search Network for your DICOM Embedded Printer and select it.

Create New Project.
Import the File(s) you just printed.

Header-A4.hst will be automatically transformed in Header-A4 form
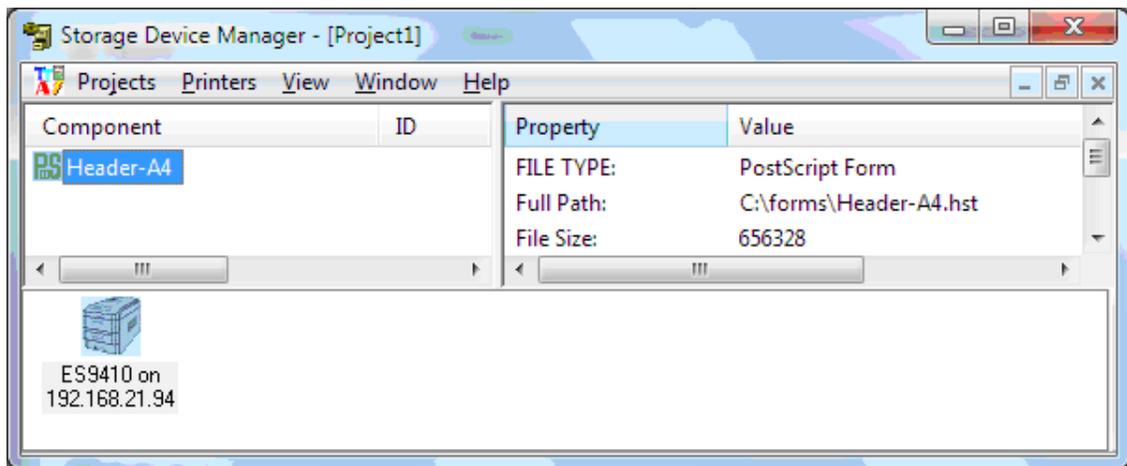
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Repeat this step if you need to add another format Form.

Once all the wanted forms are listed in Projects select "Send Project Files to Printer".
You will receive confirmation with this Popup:
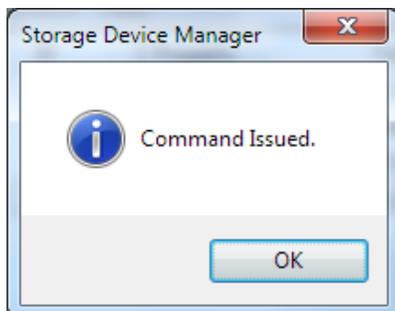
11) Using the Form when DICOM printing.

Go to the DICOM Embedded Server configuration.
In the AET you want to use the form, you just click the checkbox of the "Replace Header by Logo" option and then click "SAVE" button.
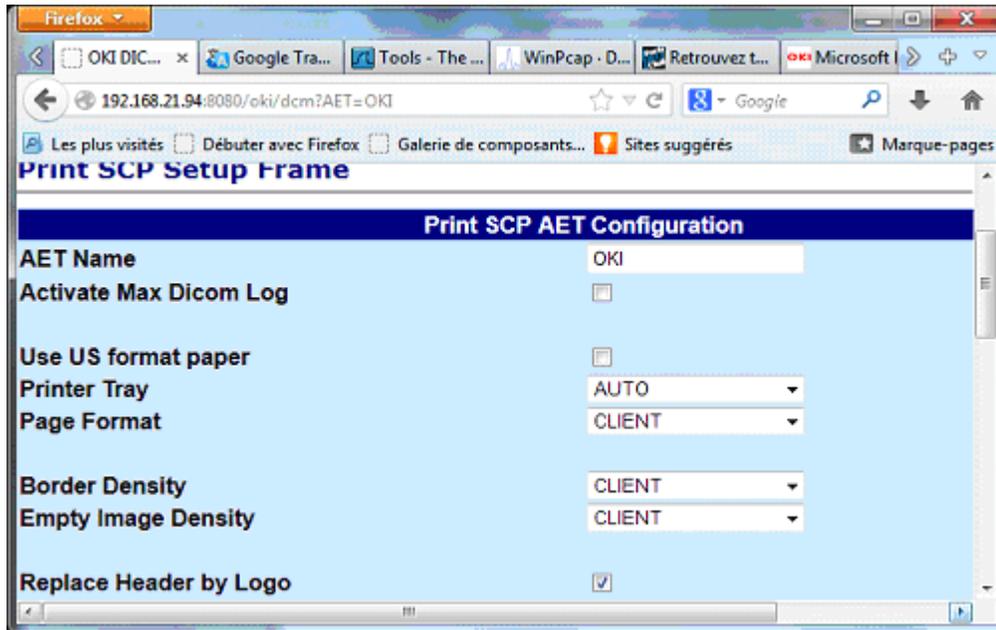
The DICOM Embedded Server will now call the needed form up to the paper format it will be asked to use.

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