



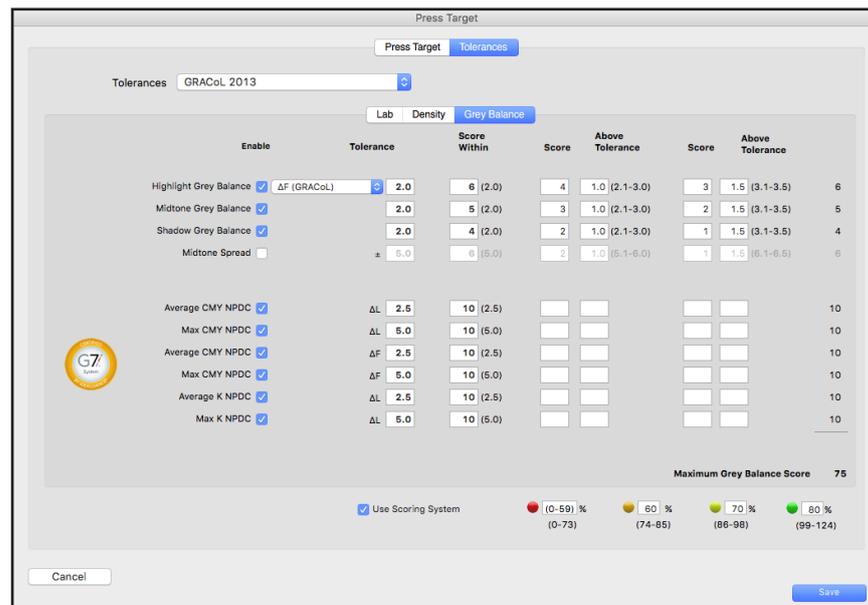
What's new in pressSIGN version 8

- proofSIGN features included
- Monitor ISO 12647-7 conformance
- ICC Expanded gamut profiles
- Scoring based on G7[®] criteria
- X-Rite Intellitrac 2 supported (soon)
- Auto synching and re-synching
- Import data from Epson SpectroProofer
- Techkon SpectroDrive New (soon)
- ISO 20654 option - for spot tonal curves
- Distribute press targets automatically
- New Export feature
- Import color bars from .cbl files
- Create new jobs remotely
- Full control of scoring
- Select M1, M0 etc. importing CxF files
- X-Rite iO Table supported
- Accept data from Man Roland presses
- Variable range of TVI scoring points
- Set image for Web reports
- Compatible with MAC OSX 10.12 (Sierra)

Scoring based on GRACoL[®] G7

pressSIGN is a G7 certified system. The tonal curve adjustments, using the NPDC option, conform to the G7 requirements. In pressSIGN 8 G7 users can now score jobs based on the Neutral Print Density criteria of average, maximum ΔL & ΔF for CMY and average, maximum ΔL for the Black. Users should ensure that files and color bars are set up with GRACoL grey balance settings.

The new version of pressSIGN has a separate page within the Press Target Window for Grey Balance (see below).



Scoring - set minimum criteria for pass

Scoring is an important aspect of pressSIGN and has helped customers improve their quality for many years. pressSIGN now has a more flexible scoring system. For example, when you are target-

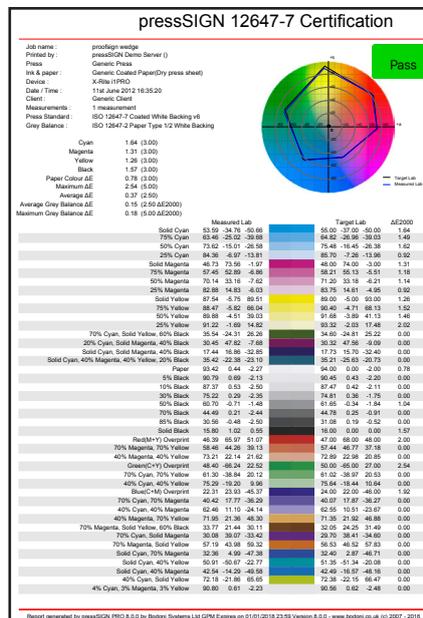
ing ISO 12647-7 for proofing you might want to have a pass/fail system based on 100%, i.e. all the elements tested will need to be within the tolerances for the job to pass.

Frequently, some criteria are more important than others within the job. The spot colors may well be the key element for the brand anything outside the specified criteria may just not be acceptable. By adjusting the tolerances and having a pass/fail it is quite easy to achieve a more sophisticated approach to the scoring of key criteria in a job.

pressSIGN 8 digital verification

Because pressSIGN runs on an SQL database and server, all measurements from the proofing or digital device are saved. Measurements can then be compared over time, between devices and with pressSIGN Global Print Management (GPM) between sites.

By using pressSIGN 8 to verify both press measurements and proofs customers can use both the same measuring tool, the same software and the same target for assessment, ensuring consistency between proofs and prints.



Print out a digital certification sheet with or without spot colors according to ISO 12647-7 specifications (provided the measurement patches were all included. Set the scoring to pass/fail or use the scoring system.

Customers who have proofSIGN can upgrade to pressSIGN at a discounted rate. proofSIGN capabilities are included in all versions of pressSIGN 8. pressSIGN Pro and GPM provide more powerful reporting facilities than pressSIGN standard and PrintBuyer.

Automatically accept data from Epson SpectroProofer

The Epson Stylus Pro and the new SureColor series of proofing devices have long been recognised as the default proofing solution. The Epson SpectroProofer is a built-in spectrophotometer connected to these proofing devices that can automatically measure a color control strip like the FOGRA Media Wedge or IDEALLiance control strip.



Working with the EFI XF Fiery RIP and the Epson SpectroProofer pressSIGN Pro/GPM can automatically input the information from the Epson into pressSIGN. Working in AutoMode every verification is stored in pressSIGN and trend information about the device can then be plotted over time or compared to other devices in the organisation.

pressSIGN GPM will allow brand managers and print buyers to receive data from proofing devices around the world, comparing suppliers proofs and with the final print.

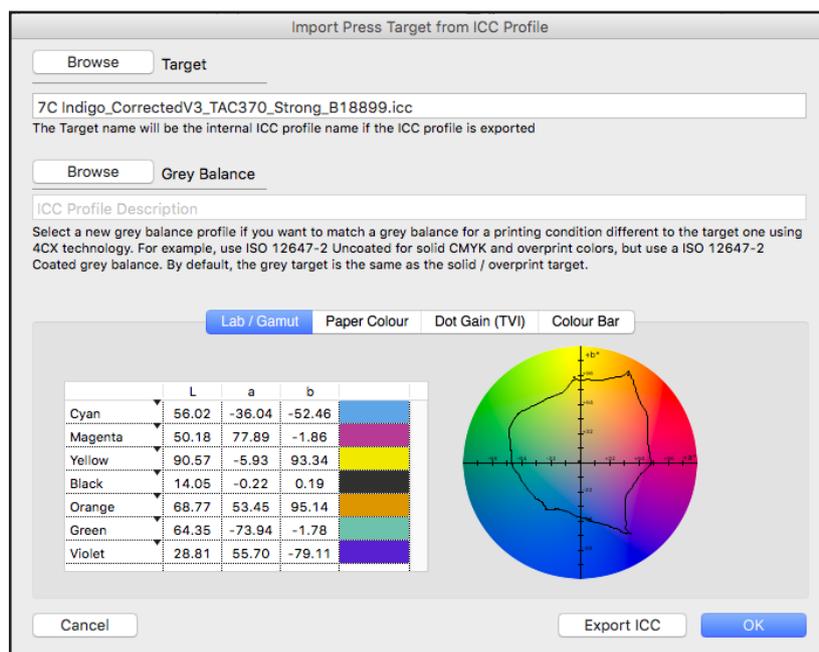
We expect to work with other RIPs that utilise the Epson SpectroProofer over the coming months. If you have a favorite RIP and would like to have this feature activated please let us know at info@presssign.com

Expanded Gamut Printing

In the last two years we have seen the rise in Expanded Gamut Printing where 6 or 7 colors are used in order to produce a full range of spot colors. Great savings can be achieved by using Expanded Gamut printing, particularly where a printer has a high volume of relatively short run jobs featuring multiple spot colors. The savings come in much faster turnaround times where there is no need to wash up one or more units.

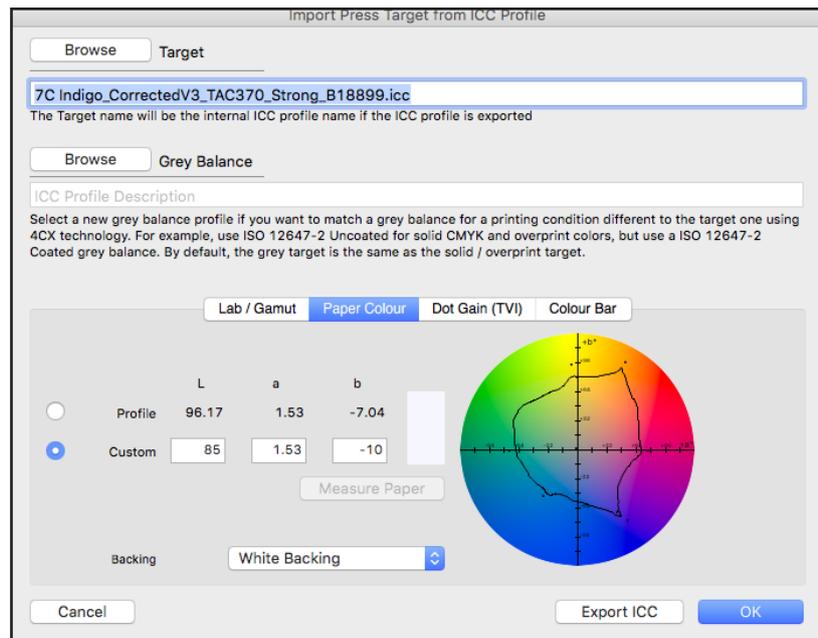
However controlling 6 or 7 print units and treating them as process colors requires accurate control of both the solid colors and the tonal response. pressSIGN has been able to control tonal curves since version 6. The new version has the added ability to set an ICC multi-color profile as the press target.

An ICC profile provides information about hundreds of patches and combinations of colors enabling pressSIGN to have a comprehensive view of the press target. pressSIGN can accept profiles that contain either Lab Values or Spectral data. Spectral data is preferable as it makes predicting the right solid color adjustments more reliable.



Using an ICC profile the user can select the colors in the profile to be treated as CMYK plus additional spots or as fully spot colors. Some ICC profiles don't identify the color names and therefore pressSIGN allows users to set the names of the colors after importing them. If CMYK + is selected then pressSIGN will calculate grey

balance. The CMYK elements do not have to conform to any ISO CMYK targets but can include different colorants.

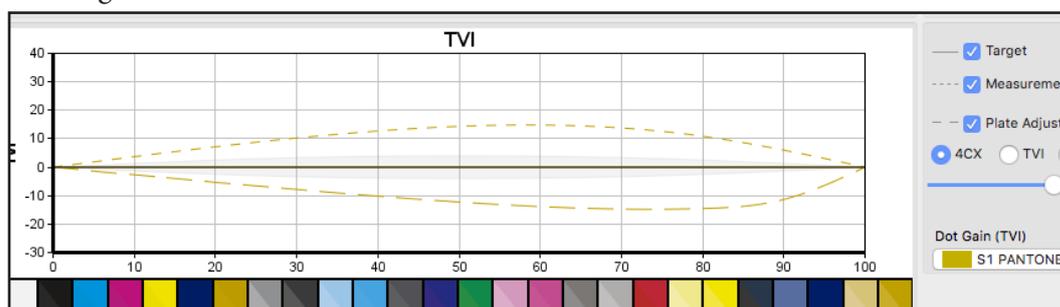


Creating a multi-color ICC profile is a time consuming process and you can't always guarantee that you'll be printing on the same substrate. pressSIGN 8 will adapt the multi-color or normal 4 color profile to the current substrate. All that is necessary is to measure the substrate or type in a Lab value. Now the multi-color profile target will be based on the actual paper in use. In addition you can export the ICC profile back out to pre-press for proofing purposes.

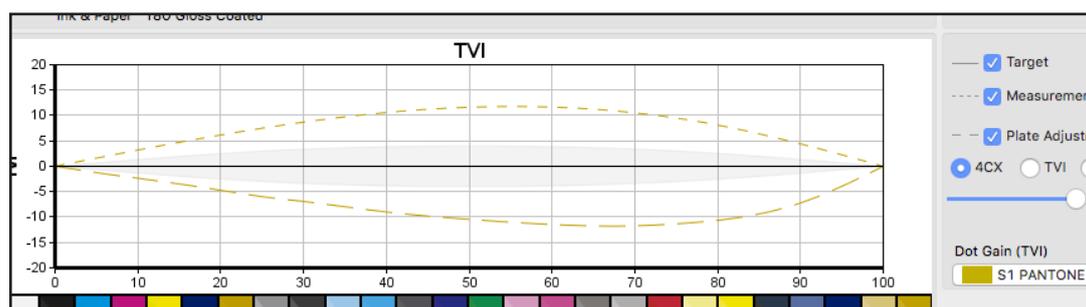
By choosing a particular multi-color profile pressSIGN will automatically update the color bar with the relevant colors that have been selected making the set-up of expanded gamut printing more efficient.

Tonal Curves for Spot Colors

ISO 20654, which began life as the SCHMOO (SCTV) project in the US, is about to be approved by the TC130 committee. ISO 20654 provides an alternative choice to pressSIGN's own tonal curve adjustment for spot colors, VLT (Visual Linear Target). They have slightly different mathematical formula but aim to achieve the same end result. The aim is to make sure that there is an even range of color throughout the tonal range. See the images below.



ISO 20654 method

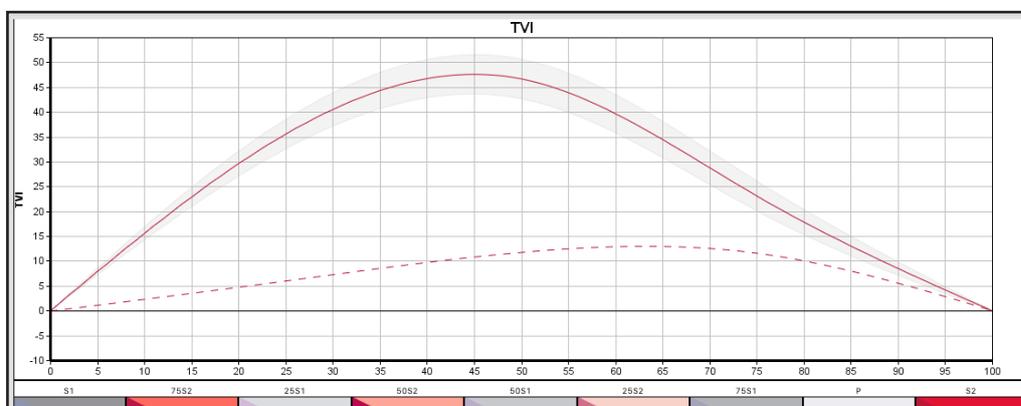


Automatic - VLT

When creating a standard you can select either ISO 20654 or Automatic as the method of calculating of spot color tonal curves.

Enable	Tolerance	Score Within	Score	Above Tolerance	Score	Abv Tol
Solid						
CMYK Primaries <input checked="" type="checkbox"/>	ΔD 0.07	5 (0.1)	2	0.03 (0.08-0.10)	1	0.05 (0.08-0.10)
Spot <input checked="" type="checkbox"/>	ΔD 0.07	6 (0.1)	3	0.03 (0.08-0.10)	1	0.05 (0.08-0.10)
Overprint Trap Value (Ritz formula) <input checked="" type="checkbox"/>	85.0 90.0 90.0	3 (90.0)	1	5.0 (90.1-95.0)		
Dot Gain (TVI)						
Highlight TVI Tolerance <input checked="" type="checkbox"/>	\pm 3.0	2 (3.0)	1	1.0 (3.1-4.0)		
Midtone TVI Tolerance <input checked="" type="checkbox"/>	\pm 4.0	3 (4.0)	1	1.0 (4.1-5.0)		
Shadow TVI Tolerance <input checked="" type="checkbox"/>	3.0	2 (3.0)	1	1.0 (3.1-4.0)		
Spot Colour Dot Gain (TVI)	ISO 20654 SCTV					
	Automatic					
Score spot tints using VLT if there are no measured spot tint values <input checked="" type="checkbox"/>						

Automatic will choose either VLT or Spectral curves depending on whether or not there is existing spectral information in the definition of the spot color. Spectral information about the spot color can either be imported as a CxF or CGATs file or can be input as a set of measurements. When the spectral data is available then the tonal curve target will resemble a traditional curve. See image below



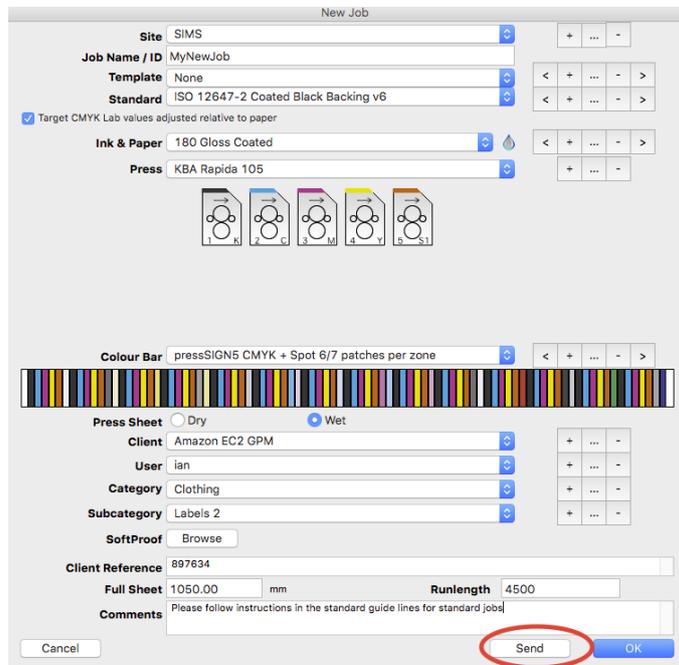
The solid line represents the target - the dotted line the measurements

Both ISO 20654 and VLT show the target as linear running from 0-100.

Create New Jobs Remotely

Third-party systems can be programmed to generate a URL that can be used by pressSIGN to create jobs new Jobs. The URL can be sent to pressSIGN users and all they have to do is click on the link for the job to be created automatically. For example a MIS or Web-to-Print system can be set up to such a URL making for fast and efficient set-up either internally or remotely.

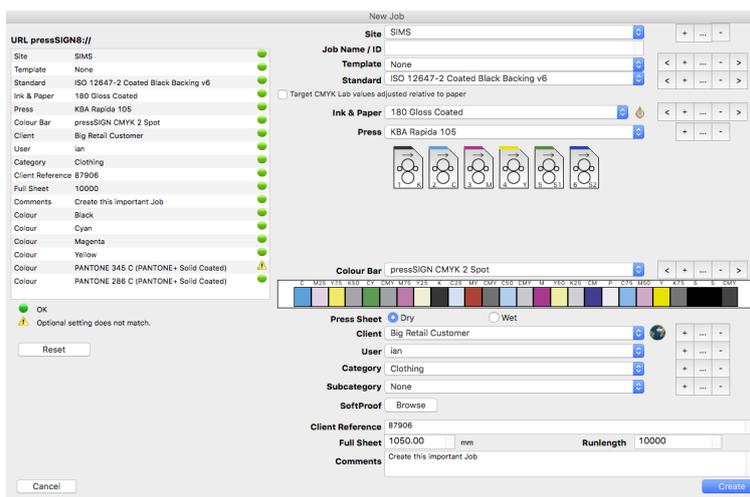
As part of this remote creation a new option appears in pressSIGN 8 “Open Job” window entitled “Send”. See the image below. The “Send” button will achieve the same result, i.e. create a URL, open up the default email client and allow the user to send the job to one or more sites depending on the options available in the program.



More details can be added to the email, for example a PDF of the job, and then the email can be sent to the appropriate user(s). All the receiver has to do is click on the URL link and the job will be opened in press-SIGN with all the details set up by the originator.

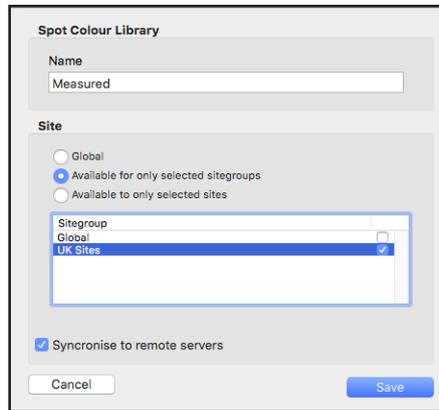
Brand managers can send out one job to a Site Group of multiple users in one simple operation. When jobs are created using this method the new Job Window looks different as per the image below.

You'll see all the elements that were included in the URL. If elements were missing in the receiving site then there will either be an optional or fatal warning. You can't create the job when fatal warnings appear. Fatal warnings appear when the standard is not available in the receiving system or the press doesn't have enough units for the number of spot colors.



Synching of press targets and other features of job creation.

Print standards and other features of a new job can be synched to remote sites in pressSIGN GPM. press-SIGN GPM has been able to send out information about custom color libraries and client names to connect- ed pressSIGN servers, for some time. Now brand managers can ensure that all members of a Site Group



or specific sites are using exactly the same print target for a specific brand.

Auto-Sync

The syncing in pressSIGN GPM has been dramatically improved. Jobs that have not synced but should have been will now sync automatically when the connection is restored. Up until now jobs that were not synced at the first attempt had to be synced manually. This feature will remove the need to open or select jobs in the 'Open Job' window and re-sync them and therefore make the process of syncing easier for all users.

X-Rite iO 2

The X-Rite iO Table is designed to speed up the measurement of test charts, make it an automatic procedure. Just select three corner points and pressSIGN will measure the chart and provide a score according to a digital target like ISO 12647-7, GRACoL or any other target. This makes it quick and easy to measure the P2P chart and provide a fast way of checking against the G7 criteria.



Customers with iO Table 2 firmware 1.07 or later can measure not only M0 but also M1 and M2 (UVCut) modes.

X-Rite Intellitrax 2 supported (soon)

The X-Rite Intellitrax 2 is the latest update to X-Rite's top of the range scanning spectrophotometer that can now measure in M0, M1, M2. The Intellitrax 2 will be supported shortly.



The Intellitrax 2 just like the original Intellitrax can be controlled directly from pressSIGN. No other software is necessary to fully utilise all the functions of Intellitrax 1 or 2.

Intellitrax Colour bar files

When using Intellitrax users are required to create a colour bar definition file. These definition files have a .cbl extension. Users no longer have to re-create the same layout in pressSIGN, the .cbl file can be imported directly into pressSIGN saving users time and avoiding mistakes.

Techkon SpectroDrive New Generation

The new version of the popular automated scanner from Techkon is due for release in mid-September 2016. pressSIGN 8 will support the new product. Like the Intellitrax 2 the new SpectroDrive is capable of measuring M1 as well as M0.



Man Roland files supported

Man Roland Color Pilot files can now be imported using AutoMode into pressSIGN Pro & GPM without any operator intervention. Users will need Man Roland's Process Monitor software in order to make the data available to pressSIGN, this might require an update to the console for older presses.

New Export Feature

From the 'Open Job' window users can export the data available in columns and rows in Tab Separated Value (TSV) format for import into Excel or other spreadsheets for further analysis. This is in addition to the reports functionality available in the Open Job Window or via the Web Browser.

Importing CxF files

Frequently CxF files contain information with multiple measurement modes. When you import these files into pressSIGN you can stipulate which Measurement mode you wish to use, M0, M1, M2 or M3.

Exporting data from pressSIGN

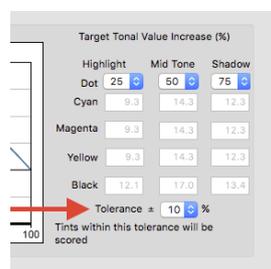
There are a variety of ways that data can be exported out of pressSIGN. An API facility was added to pressSIGN 7 and if your company has the technical expertise then this method is the most comprehensive.

Data can also be exported from the "Open Job" Window. Filter the database, using 'Advance Search' and then hit the 'Export' button data. All the data in the open job window can then be exported to a Tab Separated Value (TSV) file which can be imported into Excel for further manipulation.

Creating print targets with a range of TVI settings.

Print buyers who set targets for many different print sites often need to have several targets that cover the same quality standard. For example some press manufacturers set their color bars up with 20%, 40% and 80% tints while others use 25%,50% and 75%. This can result in an excessive number of standards. pressSIGN has resolved this issue.

pressSIGN 8 allows users to set a range of tonal curve measure points for shadow, mid-tone and highlight without being specific about what these are. The print supplier applies the appropriate tonal points for the particular press in use and pressSIGN will accept it and score it as normal.



In the case above that range is 10% points above or below the normal standard.

Set Image for Web reports

During installation you can select a PNG file that will appear whenever you create a web browser report or a report from pressSIGN Mobile.



