How To : The ICAO levels template tool

Introduction

ID station will test every photo before it is printed or saved. This test is called the *ICAO Test* because the test is based on the official ICAO specifications. ICAO (International Civil Aviation Organization) has documented the official specifications for passport photos.

The ICAO levels template tool is a tool that allows you to modify the ICAO Test function by editing ICAO level *templates*.

If, for example, you are taking Facebook photos that need not comply to ICAO standards you can create an ICAO level template that is less strict than the default template. If you want to completely disable the ICAO Test, please read the "How to : The ICAO Test feature".

The ICAO levels template tool allows you to *disable* any ICAO test and change the *rejection level* of any test. The rejection level is the score that will cause the photo to be rejected. By changing this level you can fine-tune the ICAO Test.

Start the ICAO levels template tool

Click on the Config Tool button



Click on the ICAO levels Template button:

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How To: The ICAO levels template tool

Config tool				×
Photomatic Camera Settings	ICAO Settings	Printer Settings	Admin Configuration	
Open File Settings	Auto Process Settings	Save ID Photo Settings	User Inteface Settings	
Scan Folder Settings			Logging Settings	
System tools				
Setup wizard	Print Templates	Country Templates	ICAO levels Templates	
	Upload Templates	Email Templates	Save Templates	
				Close

The tool will start showing the default settings:

mage m	neasurements		Image Qu	ality measurements		Geometr	y measurements			
oply Te	est	Min. Size in Pixels	Apply Te:	st	Min. Score to Accept	Apply Tes	st.		Min. Sc	ore to Accept
V V V V	Input Image Size Face Detected? Eyes Detected? Measurement Confidence General Image Quality	(800) x 800 Min. Score to Accept 30 30 30	V V V V	Sharpness Motion Blur Contrast Artefacts Noise	30 30 30 30 30	V	Face Size Horizontal Position Vertical Position			30 30 30
Apply Test		V	Compression	30	Backgro	und				
V V	Horizontal eye alignment angle Inter Eye Distance	5 Max. Angle 100 Min. Size in Pixels	Lighting n	neasurements	Min. Score to Accent	Apply Te	st Estimated uniformit Estimated Brightne	y ss	Min. Sc	30 30
		Min. Score to Accept	V	Under Exposed	30		Background Shade	ows		30
✓	Pose Face Biometrics detectable	30 30	V	Over Exposed Natural Skin Colo	30 r 30		Background Color			
V	Eye Details detectable Biometrical details in Image	30 30	<i>y</i>	Hotspots Uniform Lighting	30 30		Required Color	Red 230	Green 230	Blue 230
V	Eyes open	30	\checkmark	Shadow in Eyes	30	Filename				
V	Sunglasses/Dakmess around eyes	30	\checkmark	Shadow in Face	30	c:\Photo	matic6\bin\\Config\	DefaultISO	Levels.xml	
V	Glare from Glasses	30								Open File
	Neutral Expression	30								operme
	Mouth Open	30								Save File
	Hat	30								

The ICAO Test consist of many functions, each shown in the window. You can enable or disable every function separately. Just click on the checkbox. You may also adjust the rejection level of each function. Most ICAO Test functions have a default rejection level of 30. The levels range from 0 - 100. 100 means a perfect score, 0 is the lowest score. A rejection level of 30 means that an ID photo is rejected if a test score is *lower* than 30.



How to modify an ICAO level Template?

The tool that allows you to create and modify existing ICAO levels templates. Start with opening an existing template. Click on Open File:

Photomatic6\bin\\Config\Defau	utISOLevels.xml
	Open File
	Save File
	Close

Now select an existing Template. ICAO level templates are located in the folder c:\Photomatic6\Templates\ICAO.

Select for example the **DefaultISOlevels** file. The tool will open the settings of this file and show it by enabling/disabling the function and modifying the rejection levels as they were set in this file.

Now you can change the levels by enabling or disabling functions and changing rejection levels. When are you are done save the settings to file, but rename it to for example **MyNewISOLevels**. Do not overwrite the DefaultISOlevels file.

Now you have should change the ID station settings to start using your new template:

Use a new ICAO level Template

ID station uses the *default* ICAO levels template. If you want your ID station to use another template, start the Config Tool again and click on the ICAO settings button:



	Settings	ICAO Settings	Printer Settings	Admin Configuration	
Oţ	pen File Settings	Auto Process Settings	Save ID Photo Settings	User Inteface Settings	
Sc	an Folder Settings			Logging Settings	
System	m tools				
	Setup wizard	Print Templates	Country Templates	ICAO levels Templates	
		Upload Templates	Email Templates	Save Templates	

The ICAO settings allow you to change the ICAO levels template file. Click on Browse to select another file. Click on Save to save your new settings.

1 dopper mode	ID photo Mode FreeStyle	
🔽 Auto	processing using Biometrics	
V Start	ICAO test after Auto processing	
V Red	ICAO test after Editing	
Block	Printing based on ICAO test result	
✓ Block	: Saving based on ICAO test result	
ICAO Ie	evels Template	Save
C:\Photo	omatic6\Templates\ICAO\DefaultISOlevels.XML Browse	