**G7® Pre-Qualification Screen Print Checklist**

**Instructions:**

Congratulations on what might be one of the best decisions you have ever made in the history of your screen print company. As a candidate to be a G7 Master it is important that we understand your current status so we can properly build a G7 Qualification plan for you. There is no cost for this pre-qualification form, testing or planning. You may choose to not move forward after this test or you may choose to become a G7 Master. What is important is for you to fully understand is what becoming a G7 Master is, the time and cost of qualification and the expectations of a G7 Master.

This checklist is one of the first steps in the process. The information will be used to estimate the amount and kind of calibration work and training needed at your facility for you to become a G7 Master Printer. Please carefully complete this checklist. Then print the G7 Master Pre-Qualification form per the instructions with the form. Thank you for your interest.

**Your G7 Expert contact for questions or other information is:**

Company \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Phone# \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Fax# \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Cell# \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Address \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Country \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

State / Province \_\_\_\_\_\_\_\_\_\_\_\_\_ Zip/Postal Code \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Equipment Tool and Sofware List:**

**Screen Presses** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Proofing (printer / inks / paper / RIP / Target Data Set)** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Imaging System:** Direct to Screen, Film (What type of Film or Direct to Screen) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Screen Making System:**

* **Type of Screens used:** Stretch and Glue, Roller Frames, Diamond Chase, other?
* **Stencil Making System:** (Direct to Screen (Name Type and Style) Film with Vacuum Frame etc.)

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* **Exposure System:** Point Light, Fluorescent Tubes Lighting, Other. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* **Vacuum Unit**: Name the system and type: i.e. Nuarc Flip Top etc. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* **Coating System:** Automatic Coater or Hand Coating (Name type and size) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* **Stretching Devices** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* **Screen Making Tools (check all that apply):**
  + Tension Gage
  + Emulsion Thickness Gage
  + Rz Meter
  + Exposure Calculator
  + Thread Counter
* **Color Measurement and Control Tools (check all that apply):**
  + Densitometers:
  + Spectrophotometers
  + Color Management Software or Automated Scanning Tables or Devices

Questionaire

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| --- | --- |
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| 1 | What is the reason you are asking to be a candidate for being a G7 Master? |
| 2 | What is the most common reason presses are stopped during a print run or during set up of a process color print Run? |
| 3 | What curves are you currently using for press to proof matching? |
| 4 | Explain the difference in Profiling and Setting Curves. |
| 5 | What densities are you printing on press and why? |
| 6 | Explain Gray Balance in Printing: |
| 7 | Explain Angle Theory for Moire Control? |
| 8 | What determines the final dot percentage desired for each tonal percentage on a press run? |

|  |  |
| --- | --- |
| **Ink Preparation Knowledge** | |
| 1 | Explain the reason for the density and hue of the process ink you are using. |
| 2 | Explain Color Tolerancing and Delta E |
| 3 | Explain the difference in density of ink and hue of ink? |

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| --- | --- |
| **Screen Printing Knowledge** | |
| 1 | Explain the proper procedures (based on your organization’s S.O.P.s) for setting up the printing press you are responsible for operating. |
| 2 | What is a typical cause of dot skipping? |
| 3 | What is a typical cause of dot bleeding? |
| 4 | What is a typical cause of dot leaking? |
| 5 | Explain Delta E and color tolorancing. |
| 6 | What is Absolute Density? |
| 7 | What is the effect of low density on a process image? |
| 8 | What is the effect of high density on a process image? |
| 9 | What is the effect of too much squeegee pressure? |
| 10 | What is the difference in a low durometer squeegee and a high durometer squeegee? |
| 11 | What effect does press speed have on dot gain? |
| 12 | What should my absolute density values be on the color bar to match a proof? |
| 13 | Explain the effect of too much peel. |
| 14 | Explain the effect of too much off contact. |
| 15 | Explain the Screen Printer’s tolerance for Delta E. |
| 16 | Explain the Screen Printer’s tolerance for Absolute Density. |

Who is the contact we can call for questions regarding this form? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Thank you for submitting your application for G7 Master Candidacy. Please return this survey and the printed Test Form or Forms to:

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Title \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Company Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Address \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Phone \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Fax \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Cell \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Email \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**What’s Next:**

Your G7 Expert will prepare a plan for you based on this information. The plan will include an estimate of the cost and a detailed list of training, software, tools and hardware that might be needed. Some items or training may be optional. The plan can be (and probably will be) adjusted and edited to enhance the training once on site with the agreement of the company and the G7 Expert.

If you accept the G7 Plan and Cost proposal you will be scheduled for your G7 Master Program. After you are signed off and qualified by the G7 Expert, the documentation will be evaluated and approved by the IDEAlliance Representative. If the documents and test prints are approved, IDEAlliance will invoice you for the Initial Listing Fee and the first years Network Membership Dues.

Your company then will be listed on the IDEAlliance Website and you may proudly display and advertise the G7 Master Status.