

# G7 DIGITAL TRAINING

## 3 DAY COURSE SCHEDULE



[idealliance.org/G7](http://idealliance.org/G7)

### DAY 1

08:30 Registration & Coffee

09:00 Course Overview & Introductions

09:15 About G7 Expert, G7 Professional, & G7 Master Programs

09:30 **Lecture: G7 Theory and Benefits**  
Includes overview of CIE Lab and ICC profiling

10:15 Break

10:30 **Lecture: G7-Calibration Principles**  
Step-by-step details of G7 calibration methods

12:00 Lunch (1 Hour On-Site)

13:00 **Lecture: G7-Calibration Principles (continued)**

14:45 Break

15:00 **Lab: Live Proofer Calibration and Verification**

16:00 **Lab: Make a Color-Managed G7 Proof**  
Create color-managed proof over a base soft G7 calibration.

17:00 Adjourn

### DAY 2

08:30 Arrival & Coffee

08:45 Review of Day 1 - Q&A

09:15 **Lecture: G7 and Color Management**  
Using G7 to enhance accuracy and efficiency of an ICC workflow.

10:30 Break

10:45 **Live Demo: Calibrating & Profiling a Digital Press**  
Using various characterization targets and software. Compensating (if necessary) for paper color variations, measuring anomalies, etc.

11:45 **Live Demo: Simulating GRACoL** (or other RPC) Converting files from GRACoL (or SWOP) to a custom digital press profile in RIP or Photoshop. Deciding the appropriate rendering intent, etc.

12:00 Lunch (1 Hour On-Site)

13:00 **Live Demo: Verifying Press or Proof Accuracy**  
Measuring the color-managed P2P and IT8.7/4 targets. Numeric comparison in various software.

14:15 Break

Note: All times are approximate. Sequence and content may vary.

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**14:30 Lecture: G7 Compliance**

**15:00 Lecture: Press Calibration & G7 Press Control**

Focused on digital but applicable to all printing methods. Includes calculating custom target CIELab values for actual stock color by SCCA method.

**16:00 Lecture / Discussion: G7 Quality Control (Press & Proof)**

Using G7 in daily production. Printing to numbers vs. printing to the proof. Analyzing proof / press accuracy with IT8.7/4, P2P and ISO 12647-7 targets. Tolerances and process control discussion.

**17:00 Adjourn**

**DAY 3**

**08:30 Arrival and Coffee**

**08:45 Review of Day 2 - Q&A**

**09:15 Lecture: Manual Graph Paper Method**

Calculating G7 curves by the legacy graph paper method - (PowerPoint slides, not a live demonstration).

**10:30 Break**

**10:45 Lecture / Demo: G7 in the Pre-Press Workflow**

Integrating G7 and color management in a complete workflow - Photoshop settings - handling incoming files - accurate soft proofing setup, etc.

**11:30 Discussion: Being a G7 Expert or G7 Professional**

How can G7 best support your business model? Does G7 offer any potential quality or cost advantages to you and/or your clients? How would you take G7 to the field? The G7 Master application process.

**12:00 Lunch**

**13:00 Managing Expectations**

Real world printing variations. Customer education. Horror stories from the trenches. Understanding G7's capabilities and limitations.

**14:00 Review All Materials**

In preparation for web-based G7 Expert/ Professional Examination

**15:00 Final Adjourn**