4-Day Training Course Schedule

Training Type: Offset, flexography and digital

Provisional schedule

DAY 1

08:30 **Registration and Coffee**

09:00 Course Overview and Introductions

09:15 **About G7 Expert, G7 Professional and G7 Masters Program**

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

10:30 **Break**

11:00 **Lecture: G7 Calibration Principles**

12:30 **Lunch** (1 hour on site)

13:30 **Lecture: G7-Calibration Principles** (continued)

14:30 **Lab: Live Proofer Calibration**

15:30 **Break**

16:00 **Lab: Veryfiying Proofer Calibration** Measure new P2P and compare to ideal curve

16:30 **Lab: Make & Check Color-Managed Proof** Create color-managed proof and compare to G7-based reference point condition data. If necessary, adjust reference condition data by paper-white simulation to match actual stock from tomorrow's press run.

1730 **Adjourn**

DAY 2

08:45 **Arrival and Coffee**

09:00 **Review of Day 1 - Q&A**

9:40 **Lecture: Press G7 Calibration and G7 Press Control**
Includes calculating custom target CIELab values for actual stock color by paper-white simulation method.

10:25 **Departure to site for press run**

11:30 **Demo: Make "Uncalibrated" Plates & Record Values**

12:30 **Live Demo: Press Calibration Run** Run to solid CIELab values - check evenness - run enough copies until process is stable and record ink key settings, etc.

13:30 On site working lunch

14:00 **Lab: Measure Press Sheets, Calculate Correction Curves by software, Make New Calibrated Plates** Measure P2P targets - apply to printing process (e.g. make new plates) - check for expected dot changes - if OK send to press.

15:00 **Live Demo: Qualification Production Press Run** Run to same solid ink values - check HR, SC, and gray balance - compare to proof - optimize match to proof with small press moves - run several hundred sheets.

15:30 **Break**

16:00 **Live Demo: Qualification Production Press Run**
Run to same solid ink values - check HR, SC, and gray balance - compare to proof - optimize match to proof with small press moves - run several hundred sheets.

17:00 **Demo: Verify Second Press Run For G7 Calibration**
Measure P2P target and compare in G7 verification software. Compare press sheet to proof in D50 viewing booth.

18:00 **Adjourn and return to hotel**

DAY 3

08:45 **Arrival and Coffee**

09:00 **Review of Day 2 - Q&A**

09:15 **Discussion: Press Run Review**
Did "printing to the G7 numbers" bring the press close to the proof? What was hardest about both runs? What could be done differently next time?

11:00 **Break**

11:30 **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.

12:30 **lunch**

13:30 **Lecture: Manual Graph Paper method**
Calculating G7 curves by the legacy graph paper method – (PowerPoint slides, not a live demonstration).

14:30 **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.

13:30 **Break**

16:00 **Considerations for flexographic standardization**

17:00 **Adjourn**

DAY 4

08:45 **Arrival and Coffee**

09:00 **Review of Day 3 - Q&A**

10:00 **Considerations for digital standardization**

11:00 **Color optimization across substrates and technologies**

11:30 **Break**

12:00 Discussion: Managing Expectations

13:00 **Lunch**

14:00 **Review all Materials**
In preparation for web-based G7 Expert/ Professional Examination.

15:15 **Break**

15:45 **On-line examination**

16:30 **Final Adjourn**