

## G7 Process Control & Implementation Certification & Training

Align the global printing, packaging, and graphic communications supply chains by building process control driven workflows, processes, and cultures throughout print suppliers, brands, print buyers, creatives, OEMs & print technology developers.



The Idealliance G7 Process Control & Implementation Certification & Training supports G7 Experts and G7 Professionals around the globe with in-depth hands-on next level training to become the premier leaders in color management, print & packaging production, process control, and print & packaging management.

G7 Process Control Experts are leaders who serve the print & packaging supply chain as globally recognized, and licensed color management, process control, print & packaging production experts for the printing, packaging and graphic communications supply chain.

Certification & Training focuses on G7 in a process control driven environment, ISO Standards and ICC Profiling directly through live hands-on instruction and guidance for calibration of all print technology featuring the latest print engines & print technology, tools, and solutions.



G7<sup>®</sup>: One file, One separation,  
One calibration, One aim point  
**Print Anywhere™**

## COURSE OUTLINE

### CALIBRATION

#### **G7 Basics & Your G7 Toolkit:**

Tonality, Gray Balance, Assessment Metrics, G7 Compliance. Software & Hardware necessary for G7 Process Control.

#### **Implementation Planning:**

What is Needed, Press Equipment Prep & Maintenance, Technical Review & Confirmation, Press Targets, & Press Materials.

#### **G7 Production & Troubleshooting**

Machine Stability, Targeting a Print Standard Linearization, Calibration, and G7 Verification for live print production.

### PRODUCTION

#### **Production Preparation:**

Using G7 to enhance accuracy and efficiency of an ICC workflow.

#### **Live Calibration Press Run**

Evaluating the color gamut, ink targeting & machine capability, SCCA, & measurement to check for analysis including gamut clipping & full G7 calibration.

#### **Generating Press Curves Live**

Measurement & analysis of test form(s), creation of curves, & entering G7 curves into the RIP.

#### **Live Verification Press Run**

Confirmation of print consistency and measurement of G7 metrics. On press adjustments according to evaluation. Ensuring calibration alignment for print buyers, & brands.

#### **Live G7 Press Production**

Utilizing ICC profiling & G7. Profiling, utilizing the appropriate targets and test charts. Checking device stability. Measurement, creation, and conformance of ICC profiling along with G7 conformance.

#### **Live Proofing Calibration & Curves**

Device calibration, targeting & evaluating the color gamut, color management, & measurement. Creation of curves, & entering G7 curves into the RIP to confirm calibration through additional measurement and analysis.

#### **Live G7 Proof Production**

Creating an ICC profile, utilizing the appropriate targets & test charts. Checking device stability. Measurement, creation, & conformance of ICC profiling with G7 conformance.

#### **G7 Press & Proof Alignment**

Achieving a press to proof match. Evaluation, analysis & methods and tools for correction.

### PROCESS CONTROL

#### **Continuous Measurement & Assessment**

Utilizing the required tools, training & maintenance. Creation & utilization of colorbars. Quality control through measurement, feedback loops, & tracking of consumable & equipment to maintain calibration & print conditions. Imaging engine process control.

#### **Live G7 Production Maintenance**

Proof & print calibration control. Live press sheet analysis & CRF. SOP's for measurement & correction. Calibration procedures including live press measurement & recalibration.

#### **Live Advanced G7 Calibration**

Maintaining production variables to ensure G7 alignment. Maintaining print buyer & brand tolerances with G7. Spot color calibration. Monitor calibration. Nested calibration & G7 as a relinearization tool.

#### **ALSO INCLUDES ONLINE G7 PROCESS CONTROL SUPPLEMENTAL TRAINING TO FURTHER SUPPORT YOUR DEVELOPMENT & KNOWLEDGBASE OF G7 PRODUCTION**

G7 Process Control & Implementation Certification & Training will give you the experience, skill, and strategies through live training including in-depth print calibration and quality control sessions to manage your print supply chain and drive a process control based production culture.