

# Pathways to ISO compliance

## A. SELF ASSESSMENT

### 1. ACQUIRE STANDARD

Purchase hard copy or download AS/ISO Standard 12647-2 from Standards Australia

### 2. AUDIT WORKFLOW

Test and measure materials, working environment, processes and procedures including file management, profile handling, proofing, viewing conditions, instrumentation, printing conditions (ink, paper, press).

### 3. MONITOR SUPPLIES

Ensure consistent supply of compliant materials. (NOTE: This will require monitoring of inks and paper types for compliance with 12647-2 standard).

### 4. RUN PRINT TRIALS

Run print trials using compliant materials to develop own characterisation data compliant with ISO standard set based on in-house tests and measurements. This will also require the generation of a separation setup (profile) with appropriate TVI and GCR values.

### 5. PROOFING

Implement consistent monitoring at each stage of production using process control with appropriate instrumentation: colour separation, proofing, viewing conditions, CtP, press. Aim: staying within ISO 12647-2 tolerances.

### 6. PRODUCT MONITORING

Consistent measuring and monitoring of press sheets. Aim: staying within ISO 12647-2 tolerances.

### 7. END RESULT

Consistent production of printed material compliant with AS/ISO 12647-2.

## B. CLIENT DRIVEN

### 1. ACCESS CONSULTANT/ACQUIRE STANDARD

Print buyer engages specialist print consultant to advise on acquisition of consistent product across a range of print suppliers. ISO standard identified as ONLY international reference for printed colour reproduction. AS/ISO standard 12647-2 acquired from Standards Australia.

### 2. AGREED PERFORMANCE CRITERIA

Advises print suppliers that work will only be accepted on the basis of compliance with AS/ISO 12647-2. Measurement and assessment of printed product to be carried out by the buyer.

### 3. IMPLEMENTATION

Printer implements print production and process control using AS/ISO 12647-2 as target for compliant print production and proofing. Submits proofs and press sheets for measurement and assessment to client.

[NOTE: Production environment needs to be compliant with associated standards for proofing, inks, viewing conditions...]

### 4. PRODUCT MONITORING

Client monitors supplied product against AS/ISO standard. Accepts/rejects work on the basis of objective measurement of sample sheets. [NOTE: This requires suitably trained staff skilled in the measurement and assessment of proofs and prints as well as working environment consistent with printers e.g. viewing conditions, instrumentation]

### 5. END RESULT

Consistent production of printed material compliant with AS/ISO 12647-2.

## C. THIRD PARTY CERTIFIED

### 1. ACCESS CONSULTANT/ACQUIRE STANDARD

Informed client seeking consistent colour quality across all suppliers OR printer interested in implementing workflow aimed at producing ISO compliant product engages third party consultant with authority to oversee implementation of certified workflow (e.g. FOGRA or GRACol). Acquires AS/ISO 12647-2

### 2. IMPLEMENT CERTIFICATION PROCESS

Consultant liaises with client and print suppliers on the requirements of AS/ISO compliance AND third party certification. Audits workflow: tests and measure materials, working environment, processes and procedures including file management, profile handling, proofing, viewing conditions, instrumentation, printing conditions (ink, paper, press) in accordance with Certifiers requirements.

### 3. MONITORING

Consultant (agent) conducts ongoing monitoring of workflow on behalf of certifier. Printer submits workflow and output (press sheets, proofs, working environment) to regular audit process. Insists on compliance with ISO standard. May require use of specific characterisation data and profile e.g. FOGRA ISO Coated Vs\_39L/ GRACol 7.

### 4. CERTIFICATION

Third party consultant issue certification on behalf of certifying body (FOGRA/GRACol).

### 5. END RESULT

Consistent production of printed material compliant with AS/ISO 12647-2.