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Graphic technology — Guidelines for schema writers — Template for colour quality management

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 130, *Graphic technology*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Introduction

This document specifies requirements for certification schemes for certifying the production of printed products. Quality and repeatability are ensured by applying total quality control according to ISO 9001 as the overarching method, coupled with print specific ISO standards.

A certification can be centred around any ISO standard related to print production. It will therefore use the term THE REFERENCED STANDARD as a pointer to the actual standard that is referenced in the certification scheme. Digital presses that can match an output condition of THE REFERENCED STANDARD are also intended to be included for certification.

While this scheme assumes familiarity and adoption of a quality management systems based on the requirements of ISO 9001, it doesn't intend to assess or audit an organization's conformity to a complete implementation of ISO 9001.

The use of this document should make it easier to compare certifications worldwide.

A scheme developed according to this document can be validated by accreditation organisations to produce verifiable results.

In this document:

— "shall" indicates a requirement;

— "should" indicates a recommendation;

— "may" indicates a permission;

— "can" indicates a possibility or a capability.

Information marked "NOTE" is for guidance in understanding or clarifying the associated requirement.

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1 Scope

This document provides a framework that organisations can follow, and that can be used as the structure for market or sector specific schemes. It is intended to be a process certification.

The goal of this document is to have comparable attestations or certifications worldwide.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3664, *Graphic technology and photography — Viewing conditions*

ISO 12646, *Graphic technology — Displays for colour proofing — Characteristics*

ISO 13655, *Graphic technology — Spectral measurement and colorimetric computation for graphic arts images*

ISO/IEC 17011, *Conformity assessment — Requirements for accreditation bodies accrediting conformity assessment bodies*

ISO/IEC 17065, *Conformity assessment — Requirements for bodies certifying products, processes and services*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

3.1
product
final output (printed matter) supplied to the customer

Note 1 to entry: In the context of an attestation or certification this means that the emphasis is on a specific compliant print production process, and not on the organisation as such.

3.2
colour quality and production management system
range of processes, including those of a quality management system, as outlined in this document, which are required to consistently produce printed products compliant with ISO colour quality standards

3.3
accredited body
authoritative body that performs accreditation

Note 1 to entry: The authority of an accreditation body is generally derived from government.

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