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Imaging materials — Reflection colour photographic prints — Test print construction and measurement

*Matériaux pour l'image — Réflexion des impressions photographiques
en couleurs — Mesurage et construction d'une impression d'essai*



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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 18944 was prepared by Technical Committee ISO/TC 42, *Photography*.

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Introduction

This International Standard is one of a series of International Standards prepared by ISO/TC 42 on the physical properties, stability and permanence of imaging materials.

This International Standard provides constraints on factors pertaining to target print preparation and resulting target print measurement which can cause a confounding test-process-induced variation in measured colour values and densities.

The requirements in this International Standard are intended to be used with test methods that produce test data to be shared publicly, with the aim that test results can be duplicated in an alternate test facility.

Topics addressed include:

- description of test types (image print stability testing versus image forming materials testing);
- digital file preparation;
- digital test file usage;
- addressing target print uniformity;
- managing test equipment non-uniformity;
- print system configuration and control;
- test print conditioning;
- measurement timing and measurement conditions;
- required sRGB encoded patch set for image print stability test target and the corresponding patch selection process;
- informative guidance for test file construction and use;
- informative guidance on statistical approaches to minimize measurement error.