PUBLICLY AVAILABLE SPECIFICATION

ISO/PAS 15339-2

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Graphic technology — Printing from digital data across multiple technologies —

Part 2: Characterized reference printing conditions, CRPC1–CRPC7

Technologie graphique — Impression à partir de données numériques via des technologies multiples —

Partie 2: Conditions d'impression de référence caractérisées, CRPC1–CRPC7

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Foreword

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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).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 130, *Graphic technology*.

ISO/PAS 15339 consists of the following parts, under the general title *Graphic technology — Printing from digital data across multiple technologies*:

— *Part 1: Principles* [Publicly Available Specification]

— *Part 2: Characterized reference printing conditions, CRPC1–CRPC7* [Publicly Available Specification]

Introduction

ISO/PAS 15339 is based on the premise that in the printing and publishing industries, electronic data are the intermediary for content storage and exchange throughout production including copy preparation, job assembly, proofing, and process printing. It further assumes that data preparation can be largely process-independent and that the choice of the printing process or processes to be used for final production will be based primarily on run-length requirements and the substrates to be used. There are various tools in place to both define the relationship of digital data to printed colour for specific instances of printing and to manipulate data such that similar results can be obtained between and among different printing processes (see ISO/TS 10128). These specific instances of printing are typically described by colour characterization data, which is the relationship between CMYK input data and colour measured on the printed sheet. Where such a set of colour characterization data are used as a reference it is referred to as a characterized reference printing condition (CRPC).

ISO/PAS 15339-1 describes the principles involved in developing and working with CRPCs.

This part of ISO/PAS 15339 defines a set of CRPCs associated with the initial publication of ISO/PAS 15339. It is intended that if changes in, or additions to, these data sets are needed in the future, they will be documented in additional parts of ISO/PAS 15339 so that changes in the data sets are possible without losing traceability to earlier data sets.

Not all printing processes that can achieve the same colour gamut are subject to the same limitations. Offset, gravure, flexography, electrophotographic, ink-jet, etc. each have limitations that may have to be considered in the final data preparation. These typically include limitations of total ink coverage, and minimum and maximum printable dot sizes. Should general guidance be needed, additional parts of ISO/PAS 15339 can be prepared to assist in the communication or standardization of the handling of such limitations.