ISO 12639:2004-05 (E)

Graphic technology - Prepress digital data exchange - Tag image file format for image technology (TIFF/IT)

Contents

Page

Foreword v

Introduction vi

1 Scope 1

2 Compliance levels and identification 1
2.1 General 1
2.2 Image file type identification 1
2.3 TIFF/IT conformance 2
2.4 TIFF/IT-P1 conformance 2
2.5 TIFF/IT-P2 conformance 2
2.6 Conformance identification 2

3 Normative references 2

4 Terms, definitions and abbreviated terms 3
4.1 Terms and definitions 3
4.2 Abbreviated terms 5

5 Notations and field types 5
5.1 Notations 5
5.2 Field types 6

6 Image data type description 7
6.1 Colour continuous-tone picture image (CT) data 7
6.2 Colour line-art (LW) image data 7
6.3 High-resolution continuous-tone (HC) image data 7
6.4 Monochrome and binary images 7
6.5 Final page (FP) data 8

7 Requirements for TIFF/IT, TIFF/IT-P1 and TIFF/IT-P2 image data files 8
7.1 Structure of TIFF/IT file 8
7.2 General parameters 10
7.3 Colour continuous-tone picture (CT) file 22
7.4 Colour line-art (LW) file 25
7.5 High-resolution continuous-tone (HC) file 32
7.6 Monochrome continuous-tone picture (MP) file 35
7.7 Binary picture (BP) file 38
7.8 Binary line-art (BL) file 40
7.9 Screened data image (SD) file 42
7.10 Final page (FP) file 44

Annex A (informative) Background of conformity levels 50

Annex B (informative) Identification and determination procedures for TIFF/IT file type 52

Annex C (informative) Relationship between image types on a colour page 54

Annex D (informative) Alphabetical list of TIFF/IT field names 55

Annex E (normative) Incorporating JPEG compressed data into TIFF/IT 57

Annex F (normative) Incorporating Flate compressed data into TIFF/IT 59

Annex G (normative) RGB colour-space data in TIFF/IT-CT 61

Annex H (normative) LAB colour space data in TIFF/IT CT 65

Annex I (informative) Colour values 68

Annex J (normative) ICC Profile tag in TIFF/IT image 69

Annex K (informative) Monochrome continuous-tone picture colour-value calculation 70

Bibliography 74