

ISO/IEC 15775:2022-12 (E)

Information technology - Office equipment - Method of specifying image reproduction of colour copying machines and multifunction devices with copying modes by printed test charts

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Test charts	2
4.1	General	2
4.2	Material of test charts	2
4.2.1	General	2
4.2.2	Examples of material for halftone test charts available as ISO 15775 test charts	2
4.2.3	Examples of materials for continuous tone test charts available as ISO 15775 test charts	2
4.3	Layout of test charts	2
4.3.1	General	2
4.3.2	Basic layout of the picture area and the frame area around	3
4.3.3	Layout of the picture area and the frame area around of test charts 1 to 4	4
4.3.4	Restrictions for layout and content of picture B1	5
4.3.5	Restrictions for digital image data and resolution of picture B1	6
4.3.6	Restrictions for producing ISO-test charts in halftone technique	6
4.4	Layout files and EPS-picture files (or equivalent)	7
4.5	Digital PS-files and PDF-files (or equivalent) for ISO-test charts	7
4.6	Production of ISO-test charts	9
4.7	Intended printing colours and comparison with produced colours	10
4.8	ISO-identification, ISO-reference material code, and ISO-image file version	11
4.9	Content and purpose of frame area of the test charts	12
4.10	Content and purpose of picture area of the test charts	14
4.10.1	Test chart 1 (achromatic test chart: high lightness contrast)	14
4.10.2	Test chart 2 (chromatic test chart: CMYN colours)	16
4.10.3	Test chart 3 (achromatic test chart: medium lightness contrast)	19
4.10.4	Test chart 4 (chromatic test chart: OLVN-colours)	21
5	Tests	24
5.1	General	24
5.2	Visual test	24
5.2.1	General	24
5.2.2	Testing conditions	24
5.2.3	Recognition frequency for use of Landolt-rings	24
5.3	Colourimetric specification	25
5.3.1	General	25
5.3.2	Colourimeter	25
5.3.3	Calculation method	25
5.3.4	Measurements	25
5.3.5	Evaluation	25
6	Test report	26

Annex A (normative) Form A	27
Annex B (normative) Form B	28
Annex C (normative) Form C	29
Annex D (normative) Form D	30
Annex E (normative) Form E	31
Annex F (normative) Form F	32
Annex G (informative) Colourimetric specification	33
Annex H (informative) Intended and produced colours	40
Annex I (informative) Guideline for ISO-test chart production	49
Annex J (informative) Halftone raster-cell data	51
Annex K (informative) Colour names	57
Annex L (informative) Material of test charts	59
Annex M (informative) Information on websites	62
Bibliography	64