

ISO 12641-1:2025-02 (E)

Graphic technology - Prepress digital data exchange - Part 1: Colour targets for input scanner calibration

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Requirements	4
4.1	General	4
4.2	Target design	4
4.3	Transmission targets	4
4.3.1	Target layout and physical characteristics	4
4.3.2	Patch size	10
4.3.3	Colour gamut mapping	11
4.3.4	Neutral and dye scale values	11
4.3.5	Neutral scale mapping	12
4.4	Reflection targets	13
4.4.1	Target layout and physical characteristics	13
4.4.2	Patch size	15
4.4.3	Colour gamut mapping	15
4.4.4	Neutral and dye scale values	15
4.4.5	Neutral scale mapping	16
4.5	Allowable tolerances on patch values	17
4.5.1	Uncalibrated targets	17
4.5.2	Calibrated targets	17
4.6	Spectral measurement and colorimetric calculation	17
4.7	Data reporting	18
4.8	Data file format	18
4.8.1	File format	18
4.8.2	Keyword syntax and usage	18
4.8.3	Data format identifiers	19
4.9	Useable target life	20
Annex A (informative) Gamut mapping -- Computational reference		21
Annex B (informative) Application notes		23
Bibliography		26