

BUREAU OF INDIAN STANDARDS

Program of Work

MSD 6 : Graphic Arts Technology

Scope: To formulate standards, for Graphic Arts industry for all of reproduction technology or applications, that comprises image carriers, pre-press, press, post-press activities, including print and finishing performance aspects of substrates, colours, coatings, and all print related consumables; print quality assurance; including sustainable, recyclable, and green factors in the print processes; equally applicable for analogue as well as digital print segments.

Liaison: **ISO TC-130 (P):** *Graphic technology*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS/ISO/TS 10128 : 2023 ISO/TS 10128 :2023 ISO/TS 10128 :2023	Graphic Technology $\frac{1}{2}$ Methods of Adjustment of the Colour Reproduction of a Printing System to Match a Set of Characterization Data		-	Identical under single numbering
2	IS 11956 : 2023	Preparation of Trade Catalogues $\frac{1}{2}$ Guidelines (First revision)		-	Indigenous
3	IS 12000 (Part 1) : 2016 Reviewed In : 2020	Guide for paper spoilage and wastage for printing industry: Part 1 sheetfed letterpress and offset processes (First Revision)	September, 2020	-	Indigenous
4	IS 12000 (Part 2) : 2019	Guide for paper spoilage and wastage for printing industry: Part 2 web offset processes		-	Indigenous
5	IS 1250 : 2021 ISO 5776: 2015 ISO 5776 :2016	Proof Corrections for Printers and Authors		-	Identical under dual numbering
6	IS/ISO 12632 : 2015 ISO 12632 : 2015 Reviewed In : 2024 Adoption of ISO 1263	Graphic Technology "Ink, Paper and Labels" Requirements on Hot Alkali Penetration and Resistance	March, 2024	-	Identical under single numbering
7	IS/ISO 12640-2 : 2011 ISO 12640-4:2011 Reviewed In : 2024 ISO 12640-4:2011	Graphic technology Prepress digital data exchange Part 4: Wide gamut display-referred standard colour image data [Adobe RGB (1998)/SCID]	April, 2024	-	Identical under single numbering
8	IS/ISO 13655 : 2017 ISO 13655:2017 Reviewed In : 2021 ISO 13655:2017	Graphic technology Spectral measurement and colorimetric computation for graphic arts images	November, 2021	-	Identical under single numbering
9	IS/ISO 14298 : 2021 ISO 14298: 2021	Graphic Technology - Management of Security Printing		-	Identical under single numbering

	ISO 14298: 2021	Processes (First Revision)			
10	IS 14640 (Part 2) : 2018 ISO 11084-2 : 2006 Reviewed In : 2023 ISO 10545-4 : 2018	Graphic Technology " Register Systems for Photographic Materials, Foils and Paper Part 2 Register Pin Systems for Plate Making	January, 2023	-	Modified/Technically Equivalent
11	IS 15306 : 2003 Reviewed In : 2021	Printing and Publishing - Glossary of Terms	April, 2021	-	Indigenous
12	IS 15306 (Part 1) : 2016 ISO 12637-1 : 2006 Reviewed In : 2020 ISO 12637-1: 2006	Graphic technology - Vocabulary: Part 1 fundamental terms (First Revision)	September, 2020	-	Identical under dual numbering
13	IS 15306 (Part 2) : 2016 Reviewed In : 2020 ISO 12637-2:2008	Graphic technology - Vocabulary: Part 2 prepress terms (First Revision)	September, 2020	-	Identical under dual numbering
14	IS 15306 (Part 3) : 2017 ISO 12637-3 : 2009 Reviewed In : 2022 ISO 12637-3:2009	Graphic technology - Vocabulary: Part 3 printing terms(First Revision)	January, 2022	-	Identical under dual numbering
15	IS 15306 (Part 4) : 2016 ISO 12637-4 : 2008 Reviewed In : 2020 ISO 12637-4: 2008	Graphic technology - Vocabulary: Part 4 postpress terms (First Revision)	September, 2020	-	Identical under dual numbering
16	IS/ISO/TS 15311-2 : 2018 ISO/TS 15311-2: 2018 ISO/TS 15311-2: 2018	Graphic technology Print quality requirements for printed matter Part 2: Commercial print applications utilizing digital printing technologies		-	Identical under single numbering
17	IS/ISO 15341 : 2014 ISO 15341 : 2014 Reviewed In : 2024 ISO 15341 : 2014	Graphic Technology 1/2 Method for Radius Determination of Printing Cylinders	July, 2024	-	Identical under single numbering
18	IS/ISO 15397 : 2014 ISO 15397: 2014 Reviewed In : 2024 ISO 15397: 2014	Graphic Technology Communication of Graphic Paper Properties	April, 2024	-	Identical under single numbering
19	IS 15963 (Part 1) : 2017 ISO 12647-1 : 2013 ISO 12647-1:2013	Graphic technology - Process control for the production of half - Tone colour separations, proof and production prints: Part 1 parameters and measurement methods(First Revision)	January, 2022	-	Identical under dual numbering
20	IS 15963 (Part 2) : 2016 ISO 12647-2 : 2013 Reviewed In : 2024 ISO 12647-2:2013	Graphic technology - Process control for the production of half - Tone colour separations, proof and production prints: Part 2 offset lithographic processes (First Revision)	March, 2024	-	Identical under dual numbering
21	IS 15963 (Part 3) : 2015 ISO 12647-3 : 2013 Reviewed In : 2023 ISO 12647-3:2013	Graphic technology - Process control for the production of half - Tone colour separations, proof and production prints: Part 3 coldset offset lithography on newsprint(First Revision)	April, 2023	-	Identical under dual numbering

22	IS 15963 (Part 4) : 2018 ISO 12467 - 4 : 2014 Reviewed In : 2023 ISO 12647-4:2014	Graphic technology - Process control for the production of half - Tone colour separations, proof and production prints: Part 4 publication gravure printing(First Revision)	January, 2023	-	Identical under dual numbering
23	IS 15963 (Part 5) : 2018 ISO 12647-5 : 2018 Reviewed In : 2023 ISO 12647-5:2015	Graphic Technology â€“ Process Control for the Production of Half-Tone Colour Separations, Proofs and Production Prints Part 5 Screen Printing (First Revision)	January, 2023	-	Identical under dual numbering
24	IS 15963 (Part 6) : 2022 ISO 12647-6 :2020	Graphic technology - Process control for the production of half - Tone colour separations proof and production prints: Part 6 flexographic printing Second Revision		-	Identical under dual numbering
25	IS 15963 (Part 7) : 2020 ISO 12647-7 : 2016 Reviewed In : 2024 IS 15963 (part 7) Se	Graphic Technology - Process Control for the Production of Half-Tone Colour Separations, Proof and Production Prints Part 7 Proofing Processes Working Directly from Digital Data (Second Revision)	March, 2024	-	Identical under dual numbering
26	IS 15963 (Part 8) : 2022 ISO 12647-8: 2021 ISO 12647-8: 2021	Graphic technology -- Process control for the production of half-tone colour separations proof and production prints -- Part 8: Validation print processes working directly from digital data		-	Identical under dual numbering
27	IS 15963 (Part 9) : 2022 ISO 12647-9: 2021 ISO 12647-9: 2021	Graphic technology -- Process control for the production of half-tone colour separations proof and production prints -- Part 9 Metal decoration printing processes using offset lithography		-	Identical under dual numbering
28	IS 16322 : 2022 ISO 12646: 2015 ISO12646 : 2008	Graphic technology Displays for colour proofing Characteristics First Revision		-	Identical under dual numbering
29	IS 16436 : 2024 ISO 28178: 2022 ISO 28178: 2022	Graphic Technology â€” Exchange Format for Colour and Process Control Data Using XML or ASCII Text (First Revision)		-	Identical under dual numbering
30	IS 16437 (Part 1) : 2016 ISO 15930-1:2001 Reviewed In : 2021 ISO 15930-1 : 2001	Graphic technology - Prepress digital data exchange - Use of PDF: Part 1 complete exchange using CMKY data	April, 2021	-	Identical under dual numbering
31	IS 16437 (Part 3) : 2018 ISO 15930-3 : 2002 Reviewed In : 2023 ISO 15930-3:2002	Graphic technology - Prepress digital data exchange - Use of PDF: Part 3 complete exchange suitable for colour - Managed workflows (PDF / X - 3)	January, 2023	-	Identical under dual numbering
32	IS 16437 (Part 4) : 2018 ISO 15930-4 : 2003 Reviewed In : 2023 ISO 15930-4:2003	Graphic technology - Prepress digital data exchange using PDF: Part 4: complete exchange of CMYK and spot colour printing data using pdf 1.4 (PDF/x - 1a)	January, 2023	-	Identical under dual numbering
33	IS 16437 (Part 6) :	Graphic technology - Prepress	January, 2023	-	Identical under dual

	2018 ISO 15930-6 : 2003 Reviewed In : 2023 ISO 15930-6 : 2003	digital data exchange using PDF: Part 6 complete exchange of printing data suitable for colour - Managed workflows using PDF 1.4 (PDF - 3)			numbering
34	IS 16437 (Part 7) : 2018 ISO 15930-7 : 2010 Reviewed In : 2023 ISO 15930-7:2010	Graphic technology - Prepress digital data exchange using PDF: Part 7 complete exchange of printing data (PDF / X - 4) and partial exchange of printing data with external profile reference (Pdf / X - 4p) using pdf 1.6	January, 2023	-	Identical under dual numbering
35	IS 16437 (Part 8) : 2019 ISO 15930-8 : 2010 Reviewed In : 2023 ISO 15930-8:2010 and	Graphic Technology “ Prepress Digital Data Exchange Using Pdf Part 8 Partial Exchange of Printing Data Using PDF 1.6 (PDF / X-5)	April, 2023	-	Identical under dual numbering
36	IS/ISO 16762 : 2016 ISO 16762: 2016 Reviewed In : 2024 ISO 16762: 2016	Graphic technology Post-press General requirements for transfer handling and storage	April, 2024	-	Identical under single numbering
37	IS/ISO 16763 : 2016 ISO 16763: 2016 Reviewed In : 2024 ISO 16763: 2016	Graphic technology $i_c/2$ Post-press $i_c/2$ Requirements for bound products	April, 2024	-	Identical under single numbering
38	IS 16844 : 2019 ISO 14861 : 2015 Reviewed In : 2023 ISO 14861: 2015	Graphic technology - Requirements for colour soft proofing systems	April, 2023	-	Identical under dual numbering
39	IS 16853 (Part 1) : 2018 ISO 12642-1 : 2011 Reviewed In : 2023 ISO 12642-1 : 2011	Graphic Technology “ Input Data for Characterization of Four- Colour Process Printing Part 1 Initial Data Set	January, 2023	-	Identical under dual numbering
40	IS 16853 (Part 2) : 2018 ISO 12642-2:2006 Reviewed In : 2023 ISO 12642-2:2006	Graphic Technology “ Input data for characterization of 4-colour process printing - Part 2: Expanded data set	January, 2023	-	Identical under dual numbering
41	IS 16853 (Part 3) : 2022 ISO 12642-3: 2021 ISO 12642-3: 2021	Graphic technology Input data for characterization of 4-colour process printing Part 3: Extended data set including near neutral scale		-	Identical under dual numbering
42	IS/ISO 18619 : 2015 ISO 18619: 2015 Reviewed In : 2024 ISO 18619: 2015	Image technology colour management Black point compensation	July, 2024	-	Identical under single numbering
43	IS/ISO/TS 18621-11 : 2022 ISO/TS 18621-11:2022 ISO/TS 18621-11:2022	Graphic technology Image quality evaluation methods for printed matter Part 11: Colour gamut analysis		-	Identical under single numbering
44	IS/ISO/TS 18621-21 : 2023 ISO/TS 18621-21: 2023 ISO/TS 18621-21:	Graphic Technology $i_c/2$ Image quality Evaluation Methods for Printed Matter Part 21 Measurement of 1D Distortions of Macroscopic Uniformity Utilizing		-	Identical under single numbering

	2023	Scanning Spectrophotometers			
45	IS 18953 (Part 1) : 2024 ISO 16613-1:2017 ISO 16613-1:2017	Graphic technology Variable content replacement Part 1: Using PDFX for variable content replacement PDFVCR-1		-	Identical under dual numbering
46	IS/ISO 19594 : 2017 ISO 19594 : 2017 Reviewed In : 2022 ISO 19594	Graphic Technology " Test method for the Determination of the Binding Strength for Perfect-Bound Products " Page-Pull Test Working Upwards	January, 2022	-	Identical under single numbering
47	IS/ISO 20294 : 2018 ISO 20294: 2018 ISO 20294: 2018	Graphic technology Quantification and communication for calculating the carbon footprint of e-media		-	Identical under single numbering
48	IS/ISO 20690 : 2018 ISO 20690: 2018 ISO 20690: 2018	Graphic technology Determination of the operating power consumption of digital printing devices		-	Identical under single numbering
49	IS/ISO 21632 : 2018 ISO 21632 : 2018 ISO 21632 : 2018	Graphic technology Determination of the energy consumption of digital printing devices including transitional and related modes		-	Identical under single numbering
50	IS/ISO/TS 21830 : 2018 ISO/TS 21830 : 2018 ISO/TS 21830 : 2018	Image Technology Colour Management - Black Point Compensation for N-Colour ICC Profiles		-	Identical under single numbering
51	IS/ISO 24487-1 : 2021 ISO 24487-1: 2021 ISO 24487-1: 2021	Graphic technology Processless lithographic plates Part 1: Evaluation methods for characteristics and performance		-	Identical under single numbering
52	IS/ISO 2834-1 : 2020 ISO 2834-1 :2020 ISO 2834-1 :2020	Graphic Technology Laboratory Preparation of Test Prints Part 1: Paste Inks		-	Identical under single numbering
53	IS/ISO 2834-2 : 2015 ISO 2834-2 : 2015 Reviewed In : 2020 ISO 2834-2:2015	Graphic Technology " Laboratory Preparation Test Prints Part 2 Liquid Printing Inks	March, 2020	-	Identical under single numbering
54	IS/ISO 2834-3 : 2008 ISO 2834 -3:2008 Reviewed In : 2024 ISO 2834 -3:2008	Graphic Technology Laboratory Preparation Test Prints Part 3 Screen Printing Inks	June, 2024	-	Identical under single numbering
55	IS 3050 : 2018 Reviewed In : 2023	Code of practice for reinforced binding of library books and periodicals (First Revision)	February, 2023	-	Indigenous
56	IS 4 : 2024	Learned Periodicals - Layout - Guide (Second Revision)		-	Indigenous
57	IS 6298 : 2023	Guide for Selection of Type and Page Layout in Textbooks		-	Indigenous
58	IS 6660 : 2023	Guide for illustration in books		-	Indigenous
59	IS 7140 : 2023	Symbols and notations for correction of illustrations and illustration proofs		-	Indigenous
60	IS 7160 : 2003 Reviewed In : 2020	Guide for print area, margins and type sizes for textbooks (First	September, 2020	-	Indigenous

		Revision)			
61	IS 7400 : 2023	Textbooks ½ Preparation and Production ½ Guideline (First Revision)		-	Indigenous
62	IS 790 : 2023	Guidelines for preliminary pages of a book		-	Indigenous
63	IS 8010 (Part 1) : 2023	Guidelines for preparation of technical reports Part 1: Research and development reports		-	Indigenous
64	IS 8010 (Part 2) : 2023	Guidelines for preparation of technical report- Part 2: Feasibility reports		-	Indigenous
65	IS 8010 (Part 3) : 2023	Guidelines for preparation of technical reports Part 3 : Industrial potential survey reports		-	Indigenous
66	IS 8010 (Part 3) : 1987 Reviewed In : 2020	Guidelines for preparation of technical reports: Part 3 industrial potential survey reports	September, 2020	-	Indigenous

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Preliminary Draft Standards

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	MSD 6 (26125)	Graphic technology Laboratory preparation of test prints Part 2 Liquid printing inks First Revision

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
1	MSD 6 (24581)	Graphic technology Image quality evaluation methods for printed matter Part 31 Evaluation of the perceived resolution of printing systems with the Contrast Resolution chart

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Total Published Standards:48 Total Standards Under development:2

Aspect Wise Report

Product : 0

Code of Practices : 1
Methods of Test : 2
Terminology : 5
Dimensions : 0
System Standard : 1
Safety Standard : 0
Others : 51
Service Specification : 0
Process Specification : 0
Unclassified : 4

Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS 793 : 1956	Practice for author statement in the title-page of a book

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
<i>No Records Found</i>		