

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 ISO 12640-4:2011	Graphic technology Prepress digital data exchange Part 4: Wide gamut display-referred standard colour image data [Adobe RGB (1998)/SCID]		-	Identical under single numbering
8	IS/ISO 13655 : 2017 ISO 13655:2017 ISO 13655:2017	Graphic technology Spectral measurement and colorimetric computation for graphic arts images		-	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 ISO 15341 : 2014	Graphic Technology "½ Method for Radius Determination of Printing Cylinders		-	Identical under single numbering
18	IS/ISO 15397 : 2014 ISO 15397: 2014 ISO 15397: 2014	Graphic Technology Communication of Graphic Paper Properties		-	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	Graphic technology - Process control for the production of half -	January, 2023	-	Identical under dual numbering

	ISO 12467 - 4 : 2014 Reviewed In : 2023 ISO 12647-4:2014	Tone colour separations, proof and production prints: Part 4 publication gravure printing(First Revision)			
23	IS 15963 (Part 5) : 2018 ISO 12647-5 : 2018 Reviewed In : 2023 ISO 12647-5:2015	Graphic Technology – 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 – 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) : 2018 ISO 15930-6 : 2003	Graphic technology - Prepress digital data exchange using PDF: Part 6 complete exchange of	January, 2023	-	Identical under dual numbering

	Reviewed In : 2023 ISO 15930-6 : 2003	printing data suitable for colour - Managed workflows using PDF 1.4 (PDF - 3)			
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 ISO 16762: 2016	Graphic technology Post-press General requirements for transfer handling and storage		-	Identical under single numbering
37	IS/ISO 16763 : 2016 ISO 16763: 2016 ISO 16763: 2016	Graphic technology ½ Post-press ½ Requirements for bound products		-	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 ISO 18619: 2015	Image technology colour management Black point compensation		-	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: 2023	Graphic Technology ½ Image quality Evaluation Methods for Printed Matter Part 21 Measurement of 1D Distortions of Macroscopic Uniformity Utilizing Scanning Spectrophotometers		-	Identical under single numbering
45	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	January, 2022	-	Identical under single numbering

		Test Working Upwards			
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	IS/ISO 2834-3 : 2008 ISO 2834 -3:2008 ISO 2834 -3:2008	Graphic Technology Laboratory Preparation Test Prints Part 3 Screen Printing Inks		-	Identical under single numbering
54	IS 3050 : 2018 Reviewed In : 2023	Code of practice for reinforced binding of library books and periodicals (First Revision)	February, 2023	-	Indigenous
55	IS 4 : 2024	Learned Periodicals - Layout - Guide (Second Revision)		-	Indigenous
56	IS 6298 : 2023	Guide for Selection of Type and Page Layout in Textbooks		-	Indigenous
57	IS 6660 : 2023	Guide for illustration in books		-	Indigenous
58	IS 7140 : 2023	Symbols and notations for correction of illustrations and illustration proofs		-	Indigenous
59	IS 7160 : 2003 Reviewed In : 2020	Guide for print area, margins and type sizes for textbooks (First Revision)	September, 2020	-	Indigenous
60	IS 7400 : 2023	Textbooks ½ Preparation and Production ½ Guideline (First Revision)		-	Indigenous
61	IS 790 : 2023	Guidelines for preliminary pages of a book		-	Indigenous
62	IS 8010 (Part 1) : 2023	Guidelines for preparation of technical reports Part 1: Research and development reports		-	Indigenous
63	IS 8010 (Part 2) :	Guidelines for preparation of		-	Indigenous

	2023	technical report- Part 2: Feasibility reports			
64	IS 8010 (Part 3) : 2023	Guidelines for preparation of technical reports Part 3 : Industrial potential survey reports		-	Indigenous
65	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 (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
2	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 (15448)	Graphic technology Variable content replacement Part 1 Using PDFX for variable content replacement PDFVCR-1

Finalized Draft Indian Standards under Print

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

Total Published Standards:48 Total Standards Under development:3

Aspect Wise Report

Product : 0
Code of Practices : 1
Methods of Test : 2
Terminology : 5
Dimensions : 0
System Standard : 1
Safety Standard : 0
Others : 50
Service Specification : 0

Process Specification : 0
Unclassified : 4

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. 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

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