

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 i½ 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 i½ 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 Reviewed In : 2024 ISO 5776 :2016 | Proof Corrections for Printers and Authors | September, 2024 | - | 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 | Graphic Technology - | | - | Identical under single |

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|----|---|---|---------------|---|----------------------------------|
| | ISO 14298: 2021 ISO 14298: 2021 | Management of Security Printing Processes (First Revision) | | | numbering |
| 10 | IS 14640 (Part 2):2018 ISO 11084-2 : 2006 Reviewed In : 2023 ISO 11084-2: 2006 | Graphic Technology “ Register Systems for Photographic Materials, Foils and Paper Part 2 Register Pin Systems for Plate Making | January, 2023 | - | Identical under dual numbering |
| 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 : 2025 ISO 12637-1: 2006 | Graphic technology - Vocabulary: Part 1 fundamental terms (First Revision) | March, 2025 | - | Identical under dual numbering |
| 13 | IS 15306 (Part 2):2016 Reviewed In : 2025 ISO 12637-2:2008 | Graphic technology - Vocabulary: Part 2 prepress terms (First Revision) | March, 2025 | - | 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 : 2025 ISO 12637-4: 2008 | Graphic technology - Vocabulary: Part 4 postpress terms (First Revision) | April, 2025 | - | 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 “½ 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 | April, 2023 | - | Identical under dual numbering |

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|----|--|---|---------------|---|--------------------------------|
| | | newsprint(First Revision) | | | |
| 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 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 ISO 12646: 2015 | 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 |

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|----|--|---|---------------|---|----------------------------------|
| 33 | IS 16437 (Part 6):2018 ISO 15930-6 : 2003 Reviewed In : 2023 ISO 15930-6 : 2003 | Graphic technology - Prepress digital data exchange using PDF: Part 6 complete exchange of printing data suitable for colour - Managed workflows using PDF 1.4 (PDF - 3) | January, 2023 | - | Identical under dual 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 $i_c^{1/2}$ Post-press $i_c^{1/2}$ 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 | Graphic Technology $i_c^{1/2}$ Image quality Evaluation Methods for Printed Matter Part 21 Measurement of 1D Distortions of | | - | Identical under single numbering |

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|----|--|---|----------------|---|----------------------------------|
| | ISO/TS 18621-21:2023 | Macroscopic Uniformity Utilizing Scanning Spectrophotometers | | | |
| 45 | IS/ISO/TS 18621-31:2024 ISO/TS 18621-31:2024 ISO/TS 18621-31:2024 | Graphic technology $\frac{1}{2}$ Image Quality Evaluation Methods for Printed Matter $\frac{1}{2}$ Part 31: Evaluation of the Perceived Resolution of Printing Systems with the Contrast Resolution Chart | | - | Identical under single numbering |
| 46 | 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 |
| 47 | 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 |
| 48 | 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 |
| 49 | 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 |
| 50 | 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 |
| 51 | 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 |
| 52 | 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 |
| 53 | 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 |
| 54 | IS/ISO 2834-2:2025 ISO 2834- 2 : 2022 ISO 2834- 2 : 2022 | Graphic technology $\frac{1}{2}$ Laboratory preparation of test prints $\frac{1}{2}$ Part 2: Liquid printing inks (First Revision) | | - | Identical under single numbering |
| 55 | 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 |
| 56 | IS 3050:2018 Reviewed In : 2023 | Code of practice for reinforced binding of library books and periodicals (First Revision) | February, 2023 | - | Indigenous |
| 57 | IS 4:2024 | Learned Periodicals - Layout - Guide (Second Revision) | | - | Indigenous |
| 58 | IS 6298:2023 | Guide for Selection of Type and Page Layout in Textbooks | | - | Indigenous |
| 59 | IS 6660:2023 | Guide for illustration in books | | - | Indigenous |
| 60 | IS 7140:2023 | Symbols and notations for | | - | Indigenous |

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|----|---|--|-----------------|---|------------|
| | | correction of illustrations and illustration proofs | | | |
| 61 | IS 7160:2003 Reviewed In : 2020 | Guide for print area, margins and type sizes for textbooks (First Revision) | September, 2020 | - | Indigenous |
| 62 | IS 7400:2023 | Textbooks ½ Preparation and Production ½ Guideline (First Revision) | | - | Indigenous |
| 63 | IS 790:2023 | Guidelines for preliminary pages of a book | | - | Indigenous |
| 64 | IS 8010 (Part 1):2023 | Guidelines for preparation of technical reports Part 1: Research and development reports | | - | Indigenous |
| 65 | IS 8010 (Part 2):2023 | Guidelines for preparation of technical report- Part 2: Feasibility reports | | - | Indigenous |
| 66 | IS 8010 (Part 3):2023 | Guidelines for preparation of technical reports Part 3 : Industrial potential survey reports | | - | Indigenous |
| 67 | 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 |
| No Records Found | | |

| Preliminary Draft Standards | | |
|-----------------------------|---------|-------|
| SI. No. | Doc No. | Title |
| No Records Found | | |

| Drafts Standards in WC Stage | | |
|------------------------------|---------|-------|
| SI. No. | Doc No. | Title |
| No Records Found | | |

| Draft Standards Completed WC Stage | | |
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| SI. No. | Doc No. | Title |
| No Records Found | | |

| Finalized Draft Indian Standard | | |
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| SI. No. | Doc No. | Title |
| No Records Found | | |

| Finalized Draft Indian Standards under Print | | |
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| SI. No. | Doc No. | Title |
| No Records Found | | |

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| Total Published Standards:48 | Total Standards Under development:0 |
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Aspect Wise Report

Product : 0
Code of Practices : 1
Methods of Test : 2
Terminology : 5
Dimensions : 0
System Standard : 1
Safety Standard : 0
Others : 53
Service Specification : 0
Process Specification : 1
Unclassified : 3

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 |
|------------------|---------------|-------|
| No Records Found | | |