

BUREAU OF INDIAN STANDARDS

Program of Work

MED 32 : Photographic Equipment

Scope: Formulation of standards on: a) Terminology, material requirements, measurements, tests, calculations and performance for photographic equipment and accessories including cameras but excluding chemicals, paper and film. b) All types of equipment and accessories used in silent and sound motion picture projectors (including still projectors), sound recording and reproduction including dimension cinematographic films. Note 1 - The scope does not include components of cinematographic equipment which are already explicitly covered by the scope of other committees, such as acoustics, Recording, electric lamps, glassware. Note 2 - Video recording equipment is excluded. Note 3 - Formulation of standards on photographic materials is covered in inorganic Chemical and photographic materials sectional committee, CHD 1. Co-ordination of work with ISO/TC 42 Photography and ISO/TC 36 Cinematography..

Liaison: **ISO TC-36 (P): Cinematography ISO TC-ISO/TC 42 (P): Photography ISO TC-36 (P): Cinematography ISO TC-42 (P): Photography**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS/ISO 1039:1995 ISO 1039:1995 ISO 1039:1995	CINEMATOGRAPHY - CORES FOR MOTION-PICTURE AND MAGNETIC FILM ROLLS DIMENSIONS ADOPTION OF ISO 1039: 1995	March, 2023	-	Identical under single numbering
2	IS 10567:1983 Reaffirmed but not taken up for revision	Dimensions and designations of optical filter mounts for photographic equipment	March, 2022	-	Indigenous
3	IS 10917:1984 ISO 2720	Exposure meters (photoelectric type) for general purposes	February, 2021	-	Indigenous
4	IS 11164:1992 ISO 1948	Photography - Front Lens Barrels Up To 127 Mm Dimensions Important To The Connection Of Auxiliaries	March, 2023	-	Indigenous
5	IS/ISO 11315-2:1997 ISO 11315-2:1997 ISO 11315-2:1997	Photography Projection in indoor rooms Part 2: Screen luminance test for still and video projection ADOPTION OF ISO 11315-2: 1997		-	Identical under single numbering
6	IS/ISO 11315-1:1997 ISO 11315-1:1997 ISO 11315-1:1997	Photography Projection in indoor rooms Part 1: Screen illumination test for still projectors	March, 2023	-	Identical under single numbering
7	IS 11541:1985	Position and dimensions of image	February, 2021	-	Indigenous

		area produced by 16 mm motion picture camera aperture and maximum projectable image area			
8	IS/ISO 1222:2010 IS/ISO 1222 : 2010	Photography – Tripod Connections	November, 2023	-	Indigenous
9	IS/ISO 1230:2007 ISO 1230 : 2007	Photography - Determination of Flash Guide Numbers for Electronic Flash Equipment	March, 2022	-	Indigenous
10	IS 12774:1989	Positions And Width Dimensions Recording And Producing Head Gaps And Sound Records For Three-four Or Six-track Magnetic Sound Records On 35 Mm And Single-track On 17.5 Mm Motion-picture Film Containing No Picture	February, 2021	-	Indigenous
11	IS 12775:1989	Cinematography - Reproduction Characteristics Of A Chain Frequency Response For Reproduction Of 35 Mm Photography Sound	February, 2021	-	Indigenous
12	IS 13421:1992 Decision taken to Reaffirm and Archive	Cinematography - Six-track magnetic sound records on striped release prints - locations and dimensions	March, 2023	-	Indigenous
13	IS 14621:1998 ISO 2827	Determination of dielectric constant of wood under microwave frequencies - Method of test	August, 2020	-	Indigenous
14	IS 14622:1998 ISO 5763	PHOTOGRAPHY - ELECTRONIC FLASH EQUIPMENT- AUTOMATIC CONTROL OF EXPOSURE	August, 2020	-	Indigenous
15	IS 15047:2002 ISO 8581	Photography - Electronic Flash Equipment - Connectors to Synchro-Cord	March, 2022	-	Indigenous
16	IS 15049:2002 ISO 519	Photography - Handheld Cameras - Flash Connector Dimensions	March, 2022	-	Indigenous
17	IS 15050:2001 ISO 1755	Photography - Projector Slides - Dimensions	March, 2022	-	Indigenous
18	IS 15357 (Part 1):2003 ISO 11315-1	Photography - Projection in Indoor Rooms - Part 1 : Screen Illumination Test for Still Projection	August, 2020	-	Indigenous
19	IS 15357 (Part 2):2003 ISO 11315-2	Photography - Projection in Indoor Rooms - Part 2 : Screen Luminance Test for Still and Video Projection	August, 2020	-	Indigenous
20	IS 15485:2004 ISO 10157	Photography - Flash Exposure Meter - Requirements	August, 2020	-	Indigenous
21	IS 15486:2004 ISO 8478	Photography - Camera Lenses - Measurement of ISO Spectral Transmittance	August, 2020	-	Indigenous
22	IS/ISO 1754:2010 IS/ISO 1754 : 2010 ISO 1754:2010	Photography - Cameras Using 35 mm Film and Roll Film - Dimensions of Pictures Sizes	November, 2023	-	Identical under dual numbering

23	IS/ISO 1793:2005 ISO 1793 : 2005	Cinematography-Reels for 16 mm Motion-picture Projectors (Up tp and Including 610 m capacity: 38 cm size)-Dimensions	March, 2022	-	Indigenous
24	IS/ISO 18906:2000 ISO 18906 : 2000	Imaging Materials - Photographic Films - Specifications for Safety Film	March, 2022	-	Indigenous
25	IS 19052:2024 ISO 2969 : 2015 ISO 2969 : 2015	CINEMATOGRAPHY ? B-CHAIN ELECTRO-ACOUSTIC REPOSE OF MOTION-PICTURE CONTROL ROOMS AND INDOOR THEATRES ? SPECIFICATIONS AND MEASUREMENTS		-	Identical under dual numbering
26	IS/ISO 25:1994 ISO 25 : 1994	Cinematography - Camera Usage of 16 mm Motion-Pictures Film - Specifications	March, 2022	-	Indigenous
27	IS/ISO 2721:2013 ISO 2721 : 2013 ---	Photography â€” Film-based Cameras â€” Automatic Controls of Exposure	November, 2023	-	Identical under single numbering
28	IS/ISO 2910:2018 ISO 2910:2018 ISO 2910:2018	CINEMATOGRAPHY SCREEN LUMINANCE AND CHROMINANCE FOR THE PROJECTION OF FILM MOTION PICTURES	March, 2023	-	Identical under single numbering
29	IS/ISO 491:2002 ISO 491 : 2002 ---	Cinematography 35 mm Motion-Picture Film and Magnetic Film - Cutting and Perforating Dimensions	June, 2021	-	Identical under single numbering
30	IS/ISO 516:2019 516 516	Camera Shutters â€” Timing â€” General Definition and Mechanical Shutter Measurements (First Revision)		-	Identical under single numbering
31	IS/ISO 517:2008 ISO 517 : 2008	Photography - Apertures and Related Properties Pertaining to Photographic Lenses - Designations and Measurements	June, 2021	-	Indigenous
32	IS/ISO 518:2006 ISO 518 : 2006	Photography - Camera Accessory Shoes, with and without Electrical Contacts for Photoflash Lamps and Electronic Photoflash Units - Specification	August, 2020	-	Indigenous
33	IS/ISO 69:1998 69 69	CINEMATOGRAPHY 16 MM MOTION-PICTURE AND MAGNETIC FILM CUTTING AND PERFORATING DIMENSIONS		-	Identical under single numbering
34	IS/ISO 71:2014 ISO 71:2014 ISO 71:2014	CINEMATOGRAPHY 16 MM NEGATIVE PHOTOGRAPHIC SOUND RECORD ON 16 MM 3516 MM AND 3532 MM MOTION PICTURE FILM POSITIONS AND DIMENSIONS Adoption of ISO 71:2014	March, 2023	-	Identical under single numbering
35	IS 7848:1975	Studio spot lights for use in motion picture studios	February, 2021	-	Indigenous
36	IS/ISO 8622:1998 ISO 8622 : 1998	Cinematography - Magnetic Sound Records on 70 mm Motion-Pictures Releases Prints with	March, 2022	-	Indigenous

		Magnetic Stripes - A-Chain Reproduction Characteristics			
37	IS/ISO 8950:1994 ISO 8950 : 1994 ----	Cinematography - Audio Records on 70 mm Motion-Picture Release Prints with Magnetic Stripes - Recorded Characteristic	March, 2022	-	Identical under single numbering
38	IS 9125:1992	Arc lamp carbons for use in cinemas	March, 2023	-	Indigenous
39	IS/ISO 9336-1:2010 ISO 9336-1 : 2010	Optics and Photonics - Optional Transfer Function - Application Part 1 Interchangeable Lenses for 35 mm Still Cameras	March, 2022	-	Indigenous
40	IS 9916:1981 Reaffirmed but not taken up for revision	Distance Scale Markings of Photographic Lenses	August, 2020	-	

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
<i>No Records Found</i>		

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
1	MED 32 (33336)	Optics and Photonics Camera Lenses Measurement of ISO Spectral Transmittance First Revision

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	MED 32 (01411) Revision of: IS 10906:1992	Photography - Cameras using films 35 mm and 16 mm film - Picture sizes
2	MED 32 (01215)	Photography camera shutters timing Adoption of ISO 516 1999
3	MED 32 (01216)	Photography Apertures and related properties pertaining to photographic lenses Designations and measurements Adoption of ISO 517 2006
4	MED 32 (01217)	Photography Camera accessory shoes with and without electrical contacts for photo flash lamps and electric photo flash units Specification Adoption of ISO 518 2006
5	MED 32 (01218)	Photography Hand held cameras- Flash connectors dimensions Adoption of ISO 519 1992
6	MED 32 (01219)	Photography Tripod connections Adoption of ISO 1222 2010

7	MED 32 (01239)	Cinematography Camera usage of 16 mm motion-picture film- Specifications
8	MED 32 (01240)	Cinematography Audio record on 70 mm motion-picture release prints with magnetic strips-Recorded characteristic
9	MED 32 (01241)	Cinematography Magnetic sound records on 70 mm motion- picture release prints with magnetic stripes A-chain reproduction characteristics
10	MED 32 (01242)	Imaging materials-Photographic films-Specifications for safety film
11	MED 32 (01243)	Cinematography-65 mm and 70 mm unexposed motion-picture film-Cutting and perforating dimensions
12	MED 32 (01244)	Photography- Determination of flash guide numbers for electronic flash equipment
13	MED 32 (01245)	Optics and photonics-Optical transfer function-Application Part 1 Interchangeable lenses for 35 mm still cameras
14	MED 32 (01246)	Cinematography-Reels for 16 mm motion-picture projectors up to and including 610 m capacity 38 cm size Dimensions
15	MED 32 (10330)	Draft Indian Standard on Photography Film-based Cameras Automatic Controls of exposure Adoption of IS 15046ISO 2721 2013
16	MED 32 (19600)	CINEMATOGRAPHY SCREEN LUMINANCE AND CHROMINANCE FOR THE PROJECTION OF FILM MOTION PICTURES
17	MED 32 (19601)	Photography Projection in indoor rooms Part 1 Screen illumination test for still projectors
18	MED 32 (19602)	Photography Projection in indoor rooms Part 2 Screen luminance test for still and video projection ADOPTION OF ISO 11315-2 1997
19	MED 32 (19603) Revision of: IS 6084:1971	CINEMATOGRAPHY 16 MM NEGATIVE PHOTOGRAPHIC SOUND RECORD ON 16 MM 3516 MM AND 3532 MM MOTION PICTURE FILM POSITIONS AND DIMENSIONS Adoption of ISO 71 2014
20	MED 32 (19604) Revision of: IS 6097:1971	CINEMATOGRAPHY - CORES FOR MOTION-PICTURE AND MAGNETIC FILM ROLLS DIMENSIONS ADOPTION OF ISO 1039 1995
21	MED 32 (22380) Revision of: IS/ISO 516:1999	CAMERA SHUTTERS TIMING GENERAL DEFINITION AND MECHANICAL SHUTTER MEASUREMENTS
22	MED 32 (22383)	CINEMATOGRAPHY 16 MM MOTION-PICTURE AND MAGNETIC FILM CUTTING AND PERFORATING DIMENSIONS
23	MED 32 (24570)	CINEMATOGRAPHY B-CHAIN ELECTRO-ACOUSTIC REPOSE OF MOTION-PICTURE CONTROL ROOMS AND INDOOR THEATRES SPECIFICATIONS AND MEASUREMENTS
24	MED 32 (34003)	Studio Spot-Lights for use in motion picture studios Specification First Revision
25	MED 32 (34014)	Arc Lamp Carbons for use in Cinemas Specification Second Revision

Total Published Standards:40 Total Standards Under development:26

Aspect Wise Report

Product : 6
Code of Practices : 5
Methods of Test : 6
Terminology : 0
Dimensions : 19
System Standard : 0
Safety Standard : 1
Others : 3
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 10547:1983	Camera Accessory Shoes for Photoflash Lamps and Electronic Photoflash Units
2	IS 10739:1983	Dimensions for model I - Cartridge camera interface and take up core drive of 8 mm type S motion picture camera cartridge
3	IS 10750 (Part 1):1983	Shutter Cable Release Photographic - Part 1 Fitting Dimensions of Tip and Socket

4	IS 10784:1983	Dimensions of small flash connections for hand-held cameras
5	IS 10822:1984	Dimensions for projection reels for 8 mm type S motion picture film
6	IS 10835:1984	Tripod Connections Photographic
7	IS 10861:1983	Dimensions for sprockets for 8 mm type S motion picture film
8	IS 10906:1992 ISO 1754	Photography - Cameras using films 35 mm and 16 mm film - Picture sizes
9	IS 10912:1992 ISO1203	Photography - Roll film cameras - Back window location an picture sizes
10	IS 11085:1984	Dimensions for tape splices for 8 mm motion picture film for projector use
11	IS 11528:1985	Dimensions for reels for 16 mm motion picture projectors up to and including 120 m capacity 18 mm size
12	IS 11577:1985	Dimensions for projectable reels for 8 mm type S motion picture film for use with projection cassettes
13	IS 11591:1985	Camera usage of 16 mm motion picture film
14	IS 11932:1986	Recorded Characteristics for Magnetic Sound on Full Coat 16 Mm Motion Picture Film
15	IS 12018:1986	A-chain Reproduction Characteristics of Magnetic Sound Records on 35 Mm And 70 Mm Striped Prints
16	IS 12293:1988	Recorded characteristics of magnetic audio records for motion picture film 8 mm type S
17	IS 12310:1988	Flutter test film for 8 mm type S Audio reproducers magnetic type
18	IS 12568:1988	Methods for Testing Black and White Photographic Enlargers
19	IS 12638:1988	Test Procedures for Germanium Gamma-ray Detectors
20	IS 12639:1988	Test Procedures for Germanium Detectors For X and Gamma Radiation
21	IS 12748:1989	Motion Picture Safety Film
22	IS 12749:1989	Cinematography - 65 And 70 Mm Unexposed Motion-picture Film - Cutting And Perforating Dimensions
23	IS 12773:1989	Cinematography - Recorded Characteristics Of Magnetic Sound Record On 35 Mm Motion Picture Magnetics Film
24	IS 14620:1998 ISO 1230 ISO 14654	Fusion bonded epoxy coated reinforcing bars - Specification
25	IS 15046:2001 ISO 2721	Photography - Cameras - Automatic Controls of Exposure
26	IS 15048:2001 ISO 9336-1	Optics and optical instruments - Optical transfer function application Part Intchangeable lenses for 35mm still cameras
27	IS 15357 (Part 3):2003	Photography - Projection in Indoor Rooms - Part 3 Classification of Transmitting Projection Screens and Measurement of their Transmitted Luminance Levels
28	IS 15484:2004	Photography - Overhead Projectors - Methods for Measuring and Reporting Performance Characteristics
29	IS/ISO 3023:1995 ISO 3023 : 1995	Cinematography - 65 mm and 70 mm Unexposed Motion-Picture Film - Cutting and Perforating Dimensions
30	IS 4495:1992	Cinematography - light output of narrow gauge film projectors - Method of measurement

31	IS 4496:1968	Screen luminance for the projection of 16 mm film by incandescent lamps
32	IS 4497:1977	Steel wardrobes Adjustable Type - Specification Second Revision
33	IS/ISO 519:1992 ISO 519 : 1992 ---	Photography - Hand-Held Cameras - Flash-Connector Dimensions
34	IS 5260:1969	Buzz-track test film 16mm see IS5260 to5266
35	IS 5260 (Part 5266):1969	Buzz-track test film 16 mm IS 5260 1969 to IS 5266 1969 in one volume
36	IS 5261:1969	Sound focusing test film 16 mm - SEE IS 5260 TO IS 5266
37	IS 5262:1969	Registration test film 16 mm - SEE IS 5260 TO IS 5266
38	IS 5263:1969	Multi-frequency test film 16 mm - SEE IS 5260 TO IS 5266
39	IS 5264:1986	3150 Hz Flutter Test Film for 16mm cinematograph projectors - SEE IS 5260 TO IS 5266
40	IS 5265:1969	Sound-and-picture test film 16 mm - SEE IS 5260 TO IS 5266
41	IS 5266:1969	400 Hz signal level test film see IS5260 to5266
42	IS 5353:1969	Screen luminance for the projection of 35 mm film on matt and directional screens
43	IS 5636:1970	cans for 16 mm projector spools
44	IS 5673:1970	Methods of tests for still projectors
45	IS 5674:1970	16 mm Projector Spools
46	IS 5700:1977	Cinematograph screens
47	IS 5778:1970	Still Projectors
48	IS 6084:1971	Dimensions for 16 mm motion picture film
49	IS 6085:1979	Dimensions for 35 mm motion picture film
50	IS 6095:1971	Cans for 35 mm Motion Picture Films
51	IS 6096:1971	Dimensions for sprockets for 35 mm motion picture projectors
52	IS 6097:1971	Dimensions for cores for motion picture magnetic film
53	IS 6119:1971	Carbon Arc Lamps for Motion Picture Projection
54	IS 6561:1972	Buzz - track test film see IS 6561 to IS 6564
55	IS 6561 (Part 6564):1972	Specifications for test films for 35mm motion- picture sound reproducers photographic type
56	IS 6562:1972	1000Hz balancing and signal level test film see IS 6561 to IS 6564
57	IS 6563:1972	sound focusing test film see IS 6561 to IS 6564
58	IS 6564:1972	scanning beam uniformity test film see IS 6561 to IS 6564
59	IS 6933:1973	35 mm portable motion picture projectors

60	IS 6937:1986	Overhead projectors first revision
61	IS 7390:1986	3150 Hz flutter test film for 35 mm motion picture sound reproducers photographic type
62	IS 7397:1986	B-chain electro-acoustic response of motion picture sound reproduction system
63	IS 7791:1975	Projector alignment test film for 35 mm motion-picture sound reproducers
64	IS 9534:1980	Projectors usage of 8 mm type S motion picture film for direct front projection
65	IS 9535:1980	Dimensions for 8 mm type S motion picture raw stock film
66	IS 9552:1980	Camera usage of 8 mm motion picture film perforated type S
67	IS 9577:1980	Positions and dimensions of image area produced by 8 mm type S motion picture camera aperture and maximum projectable image area
68	IS 9915:1981	Lens Aperture Markings Still Cameras
69	IS 9948:1981	Shutter Exposure-time Markings Still Cameras

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 10917:1984 ISO 2720	Exposure meters photoelectric type for general purposes
2	IS 15047:2002 ISO 8581	Photography - Electronic Flash Equipment - Connectors to Synchro-Cord
3	IS 15485:2004 ISO 10157	Photography - Flash Exposure Meter - Requirements
4	IS 19052:2024 ISO 2969 : 2015	CINEMATOGRAPHY B-CHAIN ELECTRO-ACOUSTIC REPOSE OF MOTION-PICTURE CONTROL ROOMS AND INDOOR THEATRES SPECIFICATIONS AND MEASUREMENTS
5	IS 7848:1975	Studio spot lights for use in motion picture studios
6	IS 9125:1992	Arc lamp carbons for use in cinemas