

CED 22 SCOPE	FIRE FIGHTING STANDARDIZATION IN THE FIELD OF: I) FIRE FIGHTING EQUIPMENT INCLUDING WATER FITTINGS II) FIRE FIGHTING UNITS III) FIRE DETECTION AND FIRE ALARM SYSTEMS, AND IV) HELMETS
LIAISON	ISO/TC 21 (O) EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING ISO/TC 21/SC 2 (O) MANUALLY TRANSPORTABLE FIRE EXTINGUISHERS ISO/TC 21/SC 3 (O) FIRE DETECTION AND ALARM SYSTEM ISO/TC 21/SC 5 (O) FIXED FIRE FIGHTING SYSTEMS USING WATER ISO/TC 21/SC 6 (O) FOAM AND POWDER MEDIA AND FIRE FIGHTING SYSTEMS USING FOAM AND POWDER ISO/TC 21/SC 8 (O) GASEOUS MEDIA AND FIRE FIGHTING SYSTEMS USING GAS ISO/TC 21/SC 11 (O) SMOKE AND HEAT CONTROL SYSTEMS AND COMPONENTS

SI No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.	Aspect
1	IS 884: 1985 (A5)	Specification for first-aid hose reel for fire fighting (<i>first revision</i>)	Dec 2020	3	S
2	IS 901: 1988	Specification for couplings, double male and double female, instantaneous pattern for fire fighting (<i>third revision</i>)	Sep 2017		S
3	IS 902: 1992	Suction hose couplings for fire fighting purposes — Specification (<i>third revision</i>)	Sep 2017		S
4	IS 903: 1993	Fire hose delivery couplings, branch pipe, nozzles and nozzle spanner — Specification (<i>fourth revision</i>)	Aug 2018	4	S
5	IS 904: 1983 (A5)	Specification for 2-way and 3-way suction collecting heads for fire fighting purposes (<i>second revision</i>)	Dec 2020	1	S
6	IS 905: 1980 (A5)	Specification for delivery breechings, dividing and collecting instantaneous pattern for fire fighting purposes (<i>second revision</i>)	Sep 2017		S
7	*IS 906: 1988	Specification for revolving branch pipe for fire fighting (<i>third revision</i>)	Dec 2020		S
8	IS 907: 1984 (A5)	Specification for suction strainers, cylindrical type for fire fighting purposes (<i>second revision</i>)	Dec 2020		S
9	IS 908: 1975 (A5)	Specification for fire hydrant, stand post type (<i>second revision</i>)	Dec 2020	1	S
10	IS 909: 1992	Underground fire hydrant, sluice valve type — Specification (<i>third revision</i>)	Sep 2017		S
11	IS 910: 1980 (A5)	Specification for combined key for hydrant, hydrant cover and lower valve (<i>second revision</i>)	Sep 2017	1	S
12	IS 926: 1985 (A5)	Specification for fireman's axe (<i>second revision</i>)	Dec 2020		S
13	IS 927: 1981 (A5)	Specification for fire hooks (<i>second revision</i>)	Sep 2017	2	S
14	IS 928: 1984 (A5)	Specification for fire bells (<i>second revision</i>)	Dec 2020		S
15	IS 937: 1981 (A5)	Specification for washers for water fittings for fire fighting purposes (<i>second revision</i>)	Sep 2017	2	S
16	IS 939: 1977 (A5)	Specification for snatch block for use with fibre rope for fire brigade use (<i>first revision</i>)	Sep 2017		S
17	IS 941: 1985 (A5)	Specification for blower and exhauster for fire fighting (<i>second revision</i>)	Dec 2020	2	S
18	IS 942: 1982 (A5)	Functional requirements for 275 l/min portable pump set for fire fighting (<i>second revision</i>)	Dec 2020		O
19	IS 943: 1979 (A5)	Functional requirements for 680-l/min trailer pump for fire brigade use (<i>second revision</i>)	Aug 2018	2	O
20	IS 944: 1979 (A5)	Functional requirements for 1800-l/min trailer pump for fire brigade use (<i>second revision</i>)	Sep 2017	1	O

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21	IS 947: 1985 (A5)	Functional requirements for towing tender for trailer fire pump for fire brigade use (<i>first revision</i>)	Sep 2017	1	O
22	IS 948: 1983 (A5)	Functional requirements for water tender type 'A' for fire brigade use (<i>second revision</i>)	Dec 2020	1	O
23	IS 949: 2012	Emergency (rescue) tender for fire brigade use — Functional requirements (<i>second revision</i>)	Mar 2017		O
24	*IS 950: 2012	Functional requirements for water tender, Type B for fire brigade use (<i>third revision</i>)	Oct 2017		O
25	IS 951: 2003	Functional requirements for crash tender for air fields (<i>fourth revision</i>)	Aug 2018		O
26	IS 952: 2012	Fog nozzle for fire brigade use — Specification (<i>second revision</i>)	Jun 2017		S
27	IS 955: 1980 (A5)	Functional requirements for dry powder tender for fire brigade use (<i>first revision</i>)	Aug 2018	1	O
28	IS 956: 2004	Functional requirements for rescue tender for air fields (<i>second revision</i>)	Jan 2020		O
29	IS 957: 1967 (A5)	Specification for control van for fire brigade use	Dec 2020	3	S
30	IS 1941 (Part 1): 1976 (A5)	Functional requirements for electric motor sirens: Part 1 AC, 3-Phase, 50 Hz, 415 Volts type (<i>second revision</i>)	Sep 2017		O
31	*IS 2097: 2012 (A5)	Foam making branch pipe and foam inductor— Specification (<i>second revision</i>)	Jun 2017		S
32	IS 2175: 1988	Specification for heat sensitive fire detectors for use in automatic fire alarm system (<i>second revision</i>)	Dec 2020		S
33	*IS 2189: 2008	Selection, installation and maintenance of automatic fire detection and alarm system — Code of practice (<i>fourth revision</i>)	Aug 2018		C
34	*IS 2190: 2010	Selection, installation and maintenance of first-aid fire extinguishers — Code of practice (<i>fourth revision</i>)	Dec 2020	2	C
35	IS 2546: 1974 (A5)	Specification for galvanized mild steel fire bucket (<i>first revision</i>)	Dec 2020	2	S
36	IS 2696: 1974 (A5)	Functional requirements for 1125-l/min light fire engine (<i>first revision</i>) (Superseding IS 938)	Sep 2017	2	O
37	IS 2745: 1983 (A5)	Specification for non-metal helmet for firemen and civil defence personnel (<i>second revision</i>)	Dec 2020	3	S
38	IS 2871: 2012 (A5)	Branch pipe, universal for fire fighting purposes — Specification (<i>second revision</i>)	Jun 2017		S
39	IS 2925: 1984 IS 2925: 1984 (B)	Specification for industrial safety helmets (<i>second revision</i>)	Dec 2020	4	S
40	IS 2930: 1980 (A5)	Functional requirements for hose laying tender for fire brigade use (<i>first revision</i>)	Sep 2017	1	O
41	IS 3582: 1984 (A5)	Specification for basket strainers for fire fighting purposes (cylindrical type)	Dec 2020		S
42	IS 3744: 1985 (A5)	Specification for hose binding machine (<i>first revision</i>)	Dec 2020		S
43	*IS 3844: 1989	Code of practice for installation and maintenance of internal fire hydrants and hose reels on premises (<i>first revision</i>)	Dec 2020		C
44	IS 4151: 2015	Protective helmet for two wheeler riders — Specification (<i>fourth revision</i>)	Dec 2020	2	S
45	IS 4308: 2019	Dry chemical powders for fire fighting BC, ABC and D types — Specification (<i>third revision</i>)		4	S
46	IS 4571: 1977 (A5)	Specification for aluminium extension ladders for fire brigade use (<i>first revision</i>)	Dec 2020	5	S

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47	IS 4643: 1984	Specification for suction wrenches for fire brigade use (<i>first revision</i>)	Dec 2020		S
48	IS 4862 (Part 1): 1986 (A5)	Specification for portable fire extinguishers for aircraft: Part 1 Halon 1211 Type (<i>first revision</i>)	Dec 2020	3	S
49	*IS 4927: 1992*	Unlined flax canvas hose for fire fighting — Specification (<i>first revision</i>)	Sep 2017	2	S
50	IS 4928: 1986 (A5)	Specification for delivery valve for centrifugal fire pump outlets (<i>first revision</i>)	Dec 2020		S
51	IS 4947: 2006	Gas cartridges for use in fire extinguishers — Specification (<i>third revision</i>)	Feb 2017	1	S
52	IS 4989: 2018	Foam concentrate for producing mechanical foam for fire fighting — Specification (<i>fourth revision</i>)			S
53	IS 5131: 2002	Dividing breaching with control for fire brigade use — Specification (<i>second revision</i>)	Sep 2017		S
54	IS 5290: 1993	Landing valves — Specification (<i>third revision</i>)	Aug 2018	6	S
55	IS 5486: 1985 (A5)	Specification for quick release knife (<i>first revision</i>)	Dec 2020		S
56	IS 5505: 1985 (A5)	Specification for multi-edged rescue axe (non-wedging) (<i>first revision</i>)	Dec 2020		S
57	IS 5612 (Part 1): 1977 (A5)	Specification for hose-clamps and hose-bandages for fire brigade use: Part 1 Hose-clamps (<i>first revision</i>)	Sep 2017	1	S
58	IS 5612 (Part 2): 1977 (A5)	Specification for hose-clamps and hose bandages for fire brigade use: Part 2 Hose bandages (<i>first revision</i>)	Sep 2017		S
59	IS 5714: 1981 (A5)	Specification for hydrant, stand-pipe for fire fighting (<i>first revision</i>)	Sep 2017	1	S
60	IS 5888: 1970 (A5)	Code of practice for design and construction of fire service drill- tower	Dec 2020		C
61	IS 5896 (Part 1): 1970 (A5)	Code of practice for selection, operation and maintenance of special fire fighting appliances: Part 1 Combined foam and CO ₂ crash tender	Dec 2020		C
62	IS 5896 (Part 3): 1975 (A5)	Code of practice for selection, operation and maintenance of fire fighting appliances: Part 3 Turntable ladders	Sep 2017		C
63	IS 6026: 1985 (A5)	Specification for hand-operated sirens (<i>first revision</i>)	Dec 2020		S
64	IS 6067: 1983 (A5)	Functional requirements for water tender type 'X' for fire brigade use (<i>first revision</i>)	Dec 2020		O
65	IS 6070: 1983 (A5)	Code of practice for selection, operation and maintenance of trailer fire pumps, portable pumps, water tenders and motor fire engines (<i>first revision</i>)	Dec 2020		C
66	IS 7673: 2004	Fire fighting equipment — Glossary of terms (<i>first revision</i>)	Aug 2018		T
67	IS 7692: 1993	Headforms for testing of helmets — Specification (<i>first revision</i>)	Aug 2018		S
68	IS 8090: 1976 (A5)	Specification for couplings, branch pipe, nozzle used in hose reel tubing for fire fighting	Dec 2020	1	S
69	IS 8096: 1992	Fire beaters — Specification (<i>first revision</i>)	Sep 2017		S
70	IS 8423: 1994	Controlled percolating hose for fire fighting — Specification (<i>first revision</i>)	Dec 2020	3	S
71	*IS 8442: 2008	Stand post type water and foam monitor for fire fighting — Specification (<i>first revision</i>)	Aug 2018		S
72	IS 9562: 1980 (A5)	Specification for non-metal helmet for police force	Sep 2017	5	S
73	*IS 9668: 1990	Provision and maintenance of water supplies for	Dec 2020		C

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		fire fighting — Code of practice (<i>first revision</i>)			
74	IS 9695: 1980 (A5)	Methods of sampling of helmets	Dec 2020		M
75	IS 9972 : 2023	Automatic Sprinkler Heads for Fire Protective Service — Specification (Second Revision)			S
76	IS 9973: 1981 (A5)	Specification for visor for scooter helmets	Sep 2017	1	S
77	IS 9995: 1981 (A5)	Specification for visor for non-metal police and firemen's helmet	Sep 2017	1	S
78	IS 10460: 1983 (A5)	Functional requirements for small foam tender for fire brigade use	Dec 2020	1	O
79	IS 10993: 1984 (A5)	Functional requirements for 2000-kg dry powder tender for fire brigade use	Dec 2020	1	O
80	IS 11101: 1984 (A5)	Specification for extended branch pipe for fire brigade use	Sep 2017		S
81	IS 11108: 1984 (A5)	Specification for portable fire extinguishers — Halon 1211 type	Dec 2020	4	S
82	IS 11360: 1985 (A5)	Specification for smoke detectors for use in automatic electrical fire alarm system	Dec 2020		S
83	IS 11833: 1986 (A5)	Specification for dry powder fire extinguisher for metal fires	Sep 2017	4	S
84	IS 12717: 1989	Fire fighting equipment - High capacity portable pump set (1100-1600 1/min) — Functional requirements	Dec 2020	1	O
85	IS 12796: 1989	Fire rake — Specification	Dec 2020		S
86	IS 12805: 1989	Tool McLeod for fighting forest fires — Specification	Dec 2020		S
87	IS 12835 (Part 1): 2021	Design and installation of fixed foam fire extinguishing system — Code of practice: Part 1 Low expansion foam (<i>first revision</i>)			C
88	IS 12853: 1989	Fire fighting — Pulaski tool for forest fires — Specification	Dec 2020		S
89	IS 12859: 1989	Fire fighting — Brush hook for forest fires — Specification	Dec 2020		S
90	IS 12861: 1989	Fire fighting — Double bit axe for forest fires — Specification	Dec 2020		S
91	IS 12862: 1989	Fire fighting — Shovel for forest fires — Specification	Dec 2020		S
92	*IS 13039: 2014	External hydrant systems provision and maintenance — Code of practice (<i>first revision</i>)	Jun 2019		C
93	IS 14851: 2000	Maintenance of fire hose — Code of practice	Dec 2020		C
94	IS 14933: 2001	High pressure fire fighting hose — Specification	Dec 2020		S
95	IS 14951: 2001	Fire extinguisher — 135 litres capacity mechanical foam type — Specification	Dec 2020	2	S
96	IS 15051: 2001	High pressure fire hose delivery couplings — Specification	Sep 2017		S
97	IS 15105: 2021	Design, installation and maintenance of fixed automatic sprinkler fire extinguishing systems — Code of practice (<i>first revision</i>)			C
98	IS 15220: 2002	Halogenated hydrocarbons — Halon 1211 and halon 1301 — Fire extinguishing media — Specification	Sep 2017		S
99	IS 15221: 2002	Safe handling and transfer procedures of halon 1211 and halon 1301 (halogenated hydrocarbons) — Fire extinguishing media — Code of practice	Sep 2017		C
100	IS 15222: 2002	Carbon-dioxide as fire extinguishing media for fire protection — Specification	Sep 2017		S

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101	IS 15301: 2003	Installation and maintenance of fire fighting pumps — Specification	Aug 2018		C
102	IS 15325: 2020	Design and installation of fixed automatic high and medium velocity water spray system — Code of practice (<i>first revision</i>)			C
103	IS 15493: 2021	Gaseous fire extinguishing systems — General requirements (<i>first revision</i>)			O
104	IS 15496: 2004	Inspection and maintenance of gaseous fire extinguishing systems — Code of practice	Jan 2020		C
105	IS 15497: 2004	Gaseous fire extinguishing systems IG 01 extinguishing systems	Jan 2020		O
106	IS 15501: 2004	Gaseous fire extinguishing systems IG 541 extinguishing	Jan 2020		O
107	IS 15505: 2004	Gaseous fire extinguishing systems – HCFC Blend A extinguishing systems	Jan 2020		O
108	IS 15506: 2004	Gaseous fire extinguishing systems – IG 55 extinguishing systems	Jan 2020		O
109	IS 15517: 2004	Gaseous fire extinguishing systems – HFC 227ea (Hepta Fluoro Propane) extinguishing systems	Jan 2020	2	O
110	IS 15519: 2020	Water mist fire protection systems – System design, installation and commissioning — Code of practice (<i>first revision</i>)			C
111	IS 15525: 2004	Gaseous fire extinguishing systems – IG 100 extinguishing systems	Jan 2020		O
112	IS 15528: 2004	Gaseous fire extinguishing systems – Carbon dioxide total flooding and local application (Sub-floor and in-cabinet), high and low pressure (refrigerated) systems	Jan 2020		O
113	IS 15682: 2006	Fire fighting vehicles and equipment – Symbols for operator controls and other display	Feb 2017		O
114	IS 15683: 2018	Portable fire extinguishers – Performance and construction — Specification (<i>first revision</i>)			S
115	IS 15811: 2008	Long-range water-cum-foam monitor with self-inducting, aspirating and non-aspirating jet and spray/fog nozzle for fire fighting — Specification	Aug 2018		S
116	IS 15821: 2008	Gaseous fire extinguishing systems – Physical properties and system design – CF ₃ I Extinguishant	Aug 2018		O
117	IS 15835: 2009	Gaseous fire extinguishing systems — HCFC-125 Extinguishing systems	Jan 2020	1	O
118	IS 15908: 2021	Selection, installation and maintenance of control and indicating equipment for fire detection and alarm system — Code of practice (<i>first revision</i>)			C
119	IS 16018: 2012	Wheeled fire extinguishers – Performance and construction — Specification	Apr 2017	2	S
120	IS 16088: 2012	Chlorinated polyvinyl chloride (CPVC) pipes for automatic sprinkler fire extinguishing system — Specification	Nov 2017	1	S
121	IS 16095: 2013	Hazmat vehicle — Specification	Oct 2018		S
122	IS 16109: 2013	Turntable ladder — Specification	Sep 2018		S
123	IS 16534: 2017	Chlorinated polyvinyl chloride (CPVC) pipe fittings for automatic sprinkler fire extinguishing system — Specification		1	S
124	IS/ISO 6182-7: 2004	Fire protection — Automatic sprinkler systems: Part 7 Requirements and test methods for early suppression fast response (ESFR) sprinklers	Sep 2018		O
125	IS/ISO 7240-2: 2003	Fire detection and alarm systems: Part 2 Control			S

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		and indicating equipment			
126	IS/ISO 7240-3: 2010	Fire detection and alarm systems: Part 3 Audible alarm devices			S
127	IS/ISO 7240-4: 2003	Fire detection and alarm systems: Part 4 Power supply equipment			S
128	IS/ISO 7240-5: 2012	Fire detection and alarm systems: Part 5 Point-type heat detectors (<i>first revision</i>)			S
129	IS/ISO 7240-6: 2011	Fire detection and alarm systems: Part 6 Carbon monoxide fire detectors using electro - chemical cells			S
130	IS/ISO 7240-7: 2011	Fire detection and alarm systems: Part 7 Point-type smoke detectors using scattered light, transmitted light or ionization	Sep 2018		S
131	IS/ISO 7240-8: 2014	Fire detection and alarm systems: Part 8 Point-type fire detectors using a carbon monoxide sensor in combination with a heat sensor			S
132	IS/ISO 7240-10: 2012	Fire detection and alarm systems: Part 10 Point-type flame detectors			S
133	IS/ISO 7240-11: 2011	Fire detection and alarm systems: Part 11 Manual call points	Sep 2018		S
134	IS/ISO 7240-12: 2014	Fire detection and alarm systems: Part 12 Line type smoke detectors using a transmitted optical beam			S
135	IS/ISO 7240-13: 2005	Fire detection and alarm systems: Part 13 Compatibility assessment of system components			S
136	IS/ISO 7240-15: 2004	Fire detection and alarm systems: Part 15 Point type fire detectors using scattered light, transmitted light or ionization sensor in combination with a heat sensor	Sep 2018		S
137	IS/ISO 7240-16: 2007	Fire detection and alarm systems: Part 16 Sound system control and indicating equipment			S
138	IS/ISO 7240-17: 2009	Fire detection and alarm systems: Part 17 Short - circuit isolators			S
139	IS/ISO 7240-18: 2017	Fire detection and alarm systems: Part 18 Input/Output devices			S
140	IS/ISO 7240-20: 2010	Fire detection and alarm systems: Part 20 Aspirating smoke detectors			S
141	IS/ISO 7240-21: 2005	Fire detection and alarm systems: Part 21 Routing equipment			S
142	IS/ISO 7240-22: 2017	Fire detection and alarm systems: Part 22 Smoke – Detection equipment for ducts			S
143	IS/ISO 7240-23: 2013	Fire detection and alarm systems: Part 23 Visual alarm devices			S
144	IS/ISO 7240-24: 2016	Fire detection and alarm systems: Part 24 Fire alarm loudspeakers			S
145	IS/ISO 7240-25: 2010	Fire detection and alarm systems: Part 25 Components using radio transmission paths			S
146	IS/ISO 7240-27: 2018	Fire detection and alarm systems: Part 27 Point-type fire detectors using a smoke sensor in combination with carbon monoxide sensor and, optically, one or more heat sensors			S
147	IS/ISO 7240-29: 2017	Fire detection and alarm systems: Part 29 Video fire detectors			S

DRAFTS COMPLETED WIDE CIRCULATION		
1	DOC: CED 22 (14626)	Draft Indian Standard Selection, installation and maintenance of automatic fire detection and alarm system — Code of Practice (<i>fifth revision of IS 2189</i>)
2	DOC: CED 22 (19044)	Draft Indian Standard Portable and fixed type revolving branch for fire fighting — Specification (<i>fourth revision of IS 906</i>)
3	DOC: CED 22 (19181)	Draft Indian Standard Hydrant Systems — Design Installation and Maintenance — Code of Practice (<i>second revision of IS 13039</i>) (amalgamating IS 3844, IS 9668 and IS 15301)
4	DOC: CED 22 (19695)	Draft Indian Standard Low expansion foam making branch pipes and portable foam inductors — Specification (<i>third revision of IS 2097</i>)
5	DOC: CED 22 (19821)	Draft Indian Standard Stand post type water and foam monitor for fire fighting — Specification (<i>second revision of IS 8442</i>)
DRAFT STANDARDS FORMULATED		
1	CED 22 (19653)P	Draft Indian Standard Landing Valves — Specification (Fourth Revision of IS 5290)
2	DOC: CED 22 (21197)P	Draft Indian Standard Selection, installation and maintenance of first-aid fire extinguishers — Code of practice (<i>fifth revision of IS 2190</i>)
3	CED 22 (22075)P	Draft Indian Standard Disposable Fire Extinguishers of Aerosol Type – Specification

* INDICATES STANDARDS UNDER REVISION
STANDARD

/ INDICATES ADOPTION OF ISO

S — Product Specification

C — Code of Practice

M — Methods of Tests

T — Terminology

D — Dimensions

O — Others