

**STANDARDS DEVELOPMENT CENTRE**  
(Electrotechnical Division)

**LIST OF PSS TO BE RETAINED**

1.	PS: 1 -2013 (R)	IEC: 60879	Revised for Performance and Construction of Electric Circulating Fans and Regulators (4 <sup>th</sup> Revision)
2.	PS:17-2012(R)	IEC:64	Tungsten Filament Lamps for domestic and similar general lighting purposes. Performance requirements (5 <sup>th</sup> Revision)
3.	PS:101-1960	IS:365	Electric Boiling Plates for domestic use
4.	PS:102-1960	BS:546	Socket out-let two pin plugs of reversible type and without earth connection
5.	PS:115-1986 (R)	BS:546	Two-pole & earthing-pin plugs, socket out-lets adaptors (1 <sup>st</sup> Revision) (Withdrawn and superseded with latest version of IEC 60884-1 & 60906-1)
6.	PS:116:1960	IS:	Ceiling roses, two and three terminals
7.	PS:117:1985	BS:3676	Withdrawn & superseded by PS/IEC-60669-1/2002
8.	PS: 131-1961		BS: A.C. Energy meter (whole current) (withdrawn & superseded by PS:1603-1983) which subsequently withdrawn & superseded by PS: IEC 60521/2002 PS: IEC 62052-11/2010 & PS: IEC 62053-11/2010.
9.	PS::185:2012(R)	IEC:311	Methods of measurement of performance of electric irons for household or similar use (2 <sup>nd</sup> Revision).
10.	PS:186-1987(R)	SABS:948-1	Three phase Induction Motor, Part-1: Low voltage standard motors (1 <sup>st</sup> Revision) (Withdrawn and superseded with latest version of IEC 60334-1 to 4)
11.	PS:206-1-2012(R)	IEC:95-1	Lead-acid starter batteries. Part-1: General requirements and methods of test. (2 <sup>nd</sup> Revision)
12.	PS:206-2-2012(R)	IEC:95-2	Lead-acid starter batteries. Part 2, Dimensions of batteries and dimensions of marking of terminals (2 <sup>nd</sup> Revision)
13.	PS: 207-2013 (R)	IEC:38	Pakistan Standard for Standard voltages(3 <sup>rd</sup> revision)

14.	PS:248: 1989(R)	IEC:85	Thermal evaluation and classification of electrical insulation (2 <sup>nd</sup> revision)
15.	PS:252-1963	IS:368	Portable electric immersion heaters for domestic use
16.	PS: 253/2010(R)	IEC:60530	Revised for Methods for Measuring the Performance of Electric Kettles and Jugs for Household and Similar use (2 <sup>nd</sup> Revision)
17.	PS:289-1985(R)	BS:6500/84	Insulated flexible Cable and Cord (2 <sup>nd</sup> Revision)
18.	PS:290-1965	IS:369/52	Portable electric Radiators for domestic use
19.	PS:292/2012(R)	IEC:81/1984	Tubular fluorescent lamps for general lighting Service (7 <sup>th</sup> Rev.)
20.	PS:293-1963	IEC:75	Porcelain insulators for overhead lines with a nominal voltage of 1000 volts and upwards (withdrawn & superseded by PS-1565)
21.	PS:294-1993(R)	IEC:56-1/64	High-voltage alternating-current circuit breakers (1 <sup>st</sup> Revision) by PS-1565
22.	PS:295-1963	IEC:56-2/59	Rules for normal load conditions, Part-1: Rules for temperature rise (Withdrawn & superseded by PS:294)
23.	PS:296-1963	IEC:56-3/59	Rules for normal load conditions. Rules for operating conditions Part-2: Coordination of rated voltages, rated breaking capacities and rated normal currents. (Withdrawn & superseded by PS:294)
24.	PS:297-1963	IEC:56-4/59	Rules for strength of insulation, rules for the selection of circuit-breakers for service, rules for erection and maintenance of circuit breaker in service (withdrawn & superseded by PS:294)
25.	PS:298-1963	IEC:52/60	Voltage measurements by means of sphere-gaps
26.	PS:299-1/1983	IEC:60-1/73	High voltage test techniques- General definitions and test requirements.
27.	PS:299-2/1983(R)	IEC:60-2/94	Test procedures (1 <sup>st</sup> Revision)
28.	PS:299-3/1983(R)	IEC:60-3/76	Measuring devices (1 <sup>st</sup> Revision)
29.	PS:299-4/1983(R)	IEC:60-4/79	Application guide for measuring devices (1 <sup>st</sup> Revision)

30.	PS:300-1963	IEC: 50(05)/98	Fundamental definitions (withdrawn & superseded by PS:2111(101,121,131 & 151))
31.	PS:303-1963	IEC:50(10)56	Machines and Transformers (withdrawn & Superseded by PS:2111(411)/89)
32.	PS:304-1963	IEC:50(11)56	Statistic Convertors
33.	PS:305-1963	IEC:50(12)/55	Tranductors (withdrawn & superseded by PS:2111(431))
34.	PS:306-1963	IEC:50(15)/57	Switch boards and apparatus for connection and regulations (withdrawn & superseded by PS:2111(441))
35.	PS:307-1963	IEC:50(16)/56	Protective relays (withdrawn & superseded by PS:2111(446 & 448))
36.	PS:308-1963	IEC:50(20)/58	Scientific and Industrial measuring instruments (withdrawn & superseded by PS:2111(301,302 & 303))
37.	PS:309-1963	IEC:50(30)/57	Electric Traction(Withdrawn & superseded by PS:IEC 60050-811/2002)
38.	PS:311-1963	IEC:50(35)/58	Electro-technical Applications (withdrawn & superseded by PS:2111(351 & 441))
39.	PS:312-1963	IEC:50(40)/60	Electro-heating applications (withdrawn & superseded by PS:2111(841))
40.	PS:313-1963	IEC:50(45)/70	Lighting (withdrawn & superseded by PS:2111(845))
41.	PS:314-1963	IEC:50(50)/60	Electro-chemistry and Electro-metallurgy (withdrawn & superseded by PS:2111-01, 111-02)
42.	PS:387-1963	IEC:56-5/	Field testing circuit breakers with respect to the switching of overhead lines on no load (superseded by PS:294)
43.	PS:388-1963	IEC:56-6	Testing of circuit breakers with respect to the switching of Cables on no load (withdrawn & superseded by PS:294)
44.	PS:415-2013 (R)	IEC:59/99	Standard current ratings (2 <sup>nd</sup> Revision)
45.	PS:416-1964	IEC:88/57	Standard rated currents for low voltages

46.	PS:417/2010(R)	ISO:4521(R)	Revised for Metallic Coating – Electrodeposited Silver and Silver Alloy coatings for engineering purposes (1 <sup>st</sup> Revision)
47.	PS:418/2010(R)	ISO:1456	Revised for Metallic Coatings – Electrodeposited coatings of Nickel plus chromium and of copper plus nickel plus chromium (1 <sup>st</sup> Revision)
48.	PS:432-1964	BS-679/1974	Aluminium conductors in insulated cables (withdrawn & superseded by PS:1418)
49.	PS:433-1/1989(R)	IEC:86-1	Primary Batteries, Part-1: General (2 <sup>nd</sup> Revision)
50.	PS:433-2/1989	IEC:86-2	Primary Batteries, Part-2: Specification sheets (2 <sup>nd</sup> Rev.)
51.	PS:433-3/1966	IEC:86-3	Drycells and Batteries terminals (withdrawn & merged in PS:433-2)
52.	PS:434-1964		Antimonial lead storage battery plates
53.	PS:479-1965		Hard rubber containers for motor vehicles batteries
54.	PS:480-1965	IEC:2170/62	The performance of fractional horse-power electric motor (withdrawn & superseded by PS:1666)
55.	PS:497-1/1997(R)	IEC:60920	Ballasts for Tubular fluorescent Lamps General and safety requirements (4 <sup>th</sup> Revision)
56.	PS:497-2/2012(R)	IEC:60921	Ballasts for Tubular fluorescent Lamps – Performance requirements(5 <sup>th</sup> Revision)
57.	PS: 563-1/96(R)	IEC: 60076-1	Power Transformers Part-1: General (1 <sup>st</sup> Revision) (withdrawn & superseded by PS: IEC 60076-1/2010)
58.	PS: 563-2/99	IEC: 60076-2	Power transformers - Part 2: Temperature rise for liquid-immersed transformers, (withdrawn & superseded by PS: IEC 60076-2/2010)
59.	PS:563-3/1983		IEC: 60076-3 Insulation levels and dielectric tests(withdrawn & superseded by PS: IEC 60076-3/2010)
60.	PS:563-4/1983		IEC: 60076-4 Power transformers - Part 4: Guide to the lightning impulse and switching impulse testing(withdrawn & superseded by PS: IEC 60076-4/2010)

61.	PS:563-5/1985	IEC: 60076-5	Power Transformers - Part 5: Ability To Withstand Short Circuit (withdrawn & superseded by PS: IEC 60076-5/2010)
62.	PS:564-1965	IEC:50(70)	Graphical symbols for machines, transformers, primary cells and accumulators (withdrawn & superseded by PS:1060)
63.	PS:565-1965	IS: 722	A.C. Energy meters, Part-3: Three-phase whole-current and transformers operated meters (withdrawn & superseded by PS:1603)
64.	PS:566-1995(R)	BS: 6360/91	Conductors in insulated cables and cords (2 <sup>nd</sup> Revision)
65.	PS:567-1987(R)	IS-283/76	Porcelain insulators (for telegraph and telephone lines (1 <sup>st</sup> Revision)
66.	PS:568-1978(R)	BS: 4727-2	Glossary of terms particular to power engineering "Power cable terminology" (1 <sup>st</sup> Revision)
67.	PS:588-1992(R)	IEC:896-1/87	Stationary Lead-acid batteries – General requirements and methods of test, Part-1: Vented types (2 <sup>nd</sup> Revision)
68.	PS:598-1978(R)	BS: 174/97	Hard-drawn Wire for telegraph and telephone purposes (1 <sup>st</sup> Revision)
69.	PS:599-1978(R)	BS: 125/70	Hard-drawn copper and copper-cadmium conductors for overhead power transmission purposes (1 <sup>st</sup> Revision)
70.	PS:600-1978	BS:174/70	Copper-Cadmium Wire for telegraph and telephone purposes
71.	PS:601-1987(R)	IEC:155/83	Starter for Tubular fluorescent Lamps (2 <sup>nd</sup> Revision)
72.	PS:602-1988(R)	IS:1401/	Standard test fingers and probes (1 <sup>st</sup> Revision)
73.	PS:625-1994(R)	IEC:136	Dimensions of brushes and brush-holders for electrical machinery (2 <sup>nd</sup> Revision)
74.	PS:661-1981(R)	IEC:442/98	Methods for measuring performance of electric toasters for household and similar purposes (1 <sup>st</sup> Revision)
75.	PS:662-1/1986(R)	IEC:335-1/2001	Safety of household and similar electrical appliances General requirements (1 <sup>st</sup> Revision)

76.	PS:662-2-8/1980	IEC:335-2-8/72	Safety of household and similar electrical appliances. Particular requirements for electric shavers, hair clippers and similar appliances
77.	PS:662-2-9/1980	IEC:335-2-9/72	Safety of household and similar electrical appliances. Particular requirements for toaster, grills, waffle irons and roasters
78.	PS:663-1987(R)	IS:2312/67	Propeller type a.c. ventilating fans (1 <sup>st</sup> Revision)
79.	PS:664-1978(R)	BS:1035/74	Cathode Copper (1 <sup>st</sup> Revision)
80.	PS:665-1978 (R)	BS:1036/64	Electrolytic tough pitch high conductivity copper (1 <sup>st</sup> Revision)
81.	PS:666-1978(R)	BS:1037-64	Fire refined tough high conductivity copper (1 <sup>st</sup> Revision)
82.	PS:667-1978(R)	BS:1038/64	99.85 percent tough pitch copper (1 <sup>st</sup> Revision)
83.	PS:668-1978(R)	BS:1039/64	99.75 percent tough pitch copper (1 <sup>st</sup> Revision)
84.	PS:669-1978(R)	BS:1040/64	99.50 percent tough pitch copper (1 <sup>st</sup> Revision)
85.	PS:670-1978(R)	BS:172/74	Phosphorous De-oxidized non-arsenical copper (1 <sup>st</sup> Revision)
86.	PS:671-1978(R)	BS:1173/64	Tough pitch arsenical copper (1 <sup>st</sup> Revision)
87.	PS:672-1978(R)	BS:1174/64	Phosphorous De-oxidized arsenical copper (1 <sup>st</sup> Revision)
88.	PS:673-1978(R)	BS:1861/64	Tough pitch arsenical copper (1 <sup>st</sup> Revision)
89.	PS:711-1968		Sparking Plugs (withdrawn & superseded by PS:1776 to PS:1781)
90.	PS:712-1968		Metal-clad Switches (withdrawn & superseded by PS:1531)
91.	PS:713-1986 (R)	IEC:160/63	Atmospheric conditions for test purposes (1 <sup>st</sup> Revision)
92.	PS:714-1998(R)	BS:6004/85	PVC-Insulated Cables (Non-armoured) for Electric power and lighting (4 <sup>th</sup> Revision) (Withdrawn and superseded with latest version of IEC 60227-1 to 7)
93.	PS:715-1987(R)	BS:6746/94	PVC-Insulation and sheath of electric cables (2 <sup>nd</sup> Revision)

94.	PS:715-C/1978(R)	BS:6746-C/76	Colour chart for PVC Insulation and sheath of electric cables (1 <sup>st</sup> Revision)
95.	PS:798-1970	BS-2895	Attachment and envelopes. Dimensions for generators (dynamamos for internal combustion engines)
96.	PS:799-1970	BS:123/63	PVC-Insulated Cables for power switch-gear wiring (withdrawn & superseded by PS:1566)
97.	PS:800-1970	IS:2086/63	Carrier and bases used in reversible type electric fuse up to 650 volts
98.	PS:825-1/1982(R)	IEC:61-1/69	Lamp caps and holders together with gauges for the control of interchangeability and safety. Part 1: Lamp caps. (1 <sup>st</sup> Revision)
99.	PS:825-2/1982(R)	IEC:61-2/69	Lamp caps and holders together with gauges for the control of interchangeability and safety. Part 2: Lamp Holders (1 <sup>st</sup> Revision)
100.	PS::825-3:1982(R)	IEC:61-3/69	Lamp caps and holders together with gauges for the control of interchangeability and safety. Part 3:Gauges (1 <sup>st</sup> Revision)
101.	PS:826-2000(R)	IEC:44-1	Instrument Transformers – Part 1 Current Transformers (2 <sup>nd</sup> Revision)
102.	PS:827-1971	BS:936/60	Oil circuit-breakers for medium voltage, alternating current systems (superseded by PS:1532)
103.	PS:828-1971	BS:683	Alkaline train lighting accumulators.
104.	PS:852-1/1987(R)	IEC:332-1/93	Tests on electric cables under fire conditions, Part-1: Test on a single vertical insulated wire or cable (2 <sup>nd</sup> Revision)
105.	PS:852-3/1987(R)	IEC:332-3/2000	Test on electric cables under fire conditions, Part-2: Test on bunched wires or cables (2 <sup>nd</sup> Revision)
106.	PS:853-1978	IEC:2627	Wrought aluminium for electrical purposes
107.	PS:854-1971	IEC:2590/64	Aluminium Ingot (E.C. Grade)
108.	PS:891-1/1986(R)	IEC:34-1/99	Rotating electrical machines-Rating and performance (1 <sup>st</sup> Revision)

109.	PS:892-1976	IEC:34-2/97	Rotating electrical machines-Methods for determining losses and efficiency of rotating electrical machinery from tests (excluding machines for traction vehicles)
110.	PS:893-1987(R)	IEC:34-2/97	Rotating electrical machines-Rating and characteristics of three-phase, 50 Hz turbine type machines (2 <sup>nd</sup> Revision)
111.	PS:894-1987(R)	IEC:34-4/95	Methods for determining synchronous machines quantities from tests (2 <sup>nd</sup> Revision)
112.	PS:895-1997(R)	IEC:34-5/9/C	Rotating electrical machines, Part-5: Classification of degrees of protection provided by enclosures of rotating machines (IP Code) (3 <sup>rd</sup> Revision)
113.	PS:896-1995(R)	IEC:34-6/91	Rotating electrical machines, Part-6: Methods of cooling (IC Code) (1 <sup>st</sup> Revision)
114.	PS:897-1972	BS:4516-1/69	Enamelled copper conductors, round wire (withdrawn & superseded by PS:1279)
115.	PS: 944-1972		Electric cables Electric insulation sheath of.
116.	PS:950-1978(R)	BS:6899-1/91	Rubber insulation and sheath of electric cables (1 <sup>st</sup> Revision)
117.	PS:951-1989(R)	IEC:238/87	Edison screw lamp-holders (2 <sup>nd</sup> Revision) (Withdrawn & superseded by PS: IEC 60238/2002)
118.	PS:959-1973		control symbols and tell – tables
119.	PS:1002-1974	IEC:27	Letter symbols to be used in electrical technology - General
120.	PS:1004-1974	IEC:51	Direct acting indicating electrical measuring instruments and their accessories
121.	PS:1009-1974	IEC:68-1	Basic Environmental Testing Procedures - General
122.	PS:1010-1974	IEC:68-2-1	Tests - Test A: Cold (withdrawn & superseded by PS:2181-2-1)
123.	PS:1011-1974	IEC:68-2-2/74	Tests -Test B: Dry heat (withdrawn & superseded by PS:2181-2-2)
124.	PS:1012-1974	IEC:68-2-3	Tests -Test Ca: Damp heat, steady state (withdrawn & superseded by PS:2181-2-3)



125.	PS:1013-1974	IEC:68	Tests -Test D: Accelerated damp heat
126.	PS:1014-1974	IEC:68-2-6	Tests -Test Fc: Vibration (sinusoidal) (withdrawn & superseded by PS:2181-2-6)
127.	PS:1015-1974	IEC:68-2-7	Tests -Test Ga: Acceleration steady state (withdrawn & superseded by PS:2181-2-7)
128.	PS:1016-1974	IEC:68-2-8	Tests -Test H: Storage (withdrawn)
129.	PS:1017-1974	IEC:68-2-10	Tests -Test J: Mould growth (withdrawn & superseded by PS:2181-2-10)
130.	PS:1018-1974	IEC:68-2-11	Tests -Test Ka: Salt mist, (withdrawn & superseded by PS:2181-2-11)
131.	PS:1019-1974	IEC:68-2-13	Tests -Test M: Low air pressure, (withdrawn & superseded by PS:2181-2-13)
132.	PS:1020-1974	IEC:68-2-14	Tests -Test N: Change of temperature (withdrawn & superseded by PS:2181-2-14)
133.	PS:1021-1974	IEC:68-2-17	Tests -Test Q: Sealing (withdrawn & superseded by PS:2181-2-17)
134.	PS:1022-1974	IEC:68-2-20	Tests -Test T: Soldering (withdrawn & superseded by PS:2181-2-20)
135.	PS:1023-1974	IEC:68-2-21	Tests -Test U: Robustness of terminations. (Withdrawn & superseded by PS:2181-2-21)
136.	PS:1024-1974	IEC:68-2-27	Tests -Test Ea and Guidance: Shock (Withdrawn & superseded by PS:2181-2-27)
137.	PS:1025-1974	IEC:68-2-168	Tests -Guidance for damp heat tests
138.	PS:1026-1974	IEC:68-2-29	Tests -Test Eb and Guidance: Bump. (Withdrawn & superseded by PS:2181-2-29)
139.	PS:1027-1974	IEC:68-2-30	Tests -Test Db and guidance: Damp heat, cyclic (12+12 hour cycle) (Withdrawn & superseded by PS:2181-2-30)
140.	PS:1028-1974	IEC:68-2-31	Tests -Test Ec: Drop and topple, primarily for equipment type specimens. (Withdrawn & superseded by PS:2181-2-31)
141.	PS:1029-1974	IEC:68-2-32	Tests -Test Ed: Free fall (withdrawn & superseded by PS:2181-2-32)
142.	PS:1030-1974	IEC:68-2-33	Tests - Guidance on change of temperature tests.

143.	PS:1031-1974	IEC:68-2-34	Tests -Test Fd: Random vibration wide band- General requirements (Withdrawn & superseded by PS:2181-2-34)
144.	PS:1032-1974	IEC:68-2-35	Tests -Test Fda: Random vibration wide band- Reproducibility High (Withdrawn & superseded by PS:2181-2-35)
145.	PS:1033-1974	IEC:68-2-36	Tests -Test Fdb: Random vibration wide band- Reproducibility Medium. (Withdrawn & superseded by PS:2181-2-36)
146.	PS:1034-1974	IEC:68-2-37	Tests -Test Fdc: Random vibration wide band- Reproducibility Low. (Withdrawn & superseded by PS:2181-2-37)
147.	PS:1035-1990(R)	IEC:70	Power Capacitor (1 <sup>st</sup> Revision) (Withdrawn & superseded by PS: IEC 60831- 1/2002)
148.	PS:1039-1974	IEC:93	Recommended methods of tests for volume and surface resistivities of electrical insulating materials
149.	PS:1045-1974	IEC:99-1	Non-linear resistor type arresters for a.c. systems (Withdrawn & superseded by PS:4097)
150.	PS:1046-1974	IEC:99-2/62	Expulsion type lightning arresters
151.	PS:1052-1974	IEC:110	Recommendation for capacitors for inductive heat generating plants operating at frequencies between 40 and 24000 Hz
152.	PS:1058-1974	IEC:117-0	General Index
153.	PS:1059-1974	IEC:117-1	Kind of current, distribution systems, methods of correction and circuit element.
154.	1060-1974	IEC:117-2	Machines, transformers, primary cells and accumulators
155.	PS:1061-1974	IEC:117-3	Contacts, switchgear, mechanical controls, starters and elements of electro-mechanical technology.
156.	PS:1061-A/1974		Contacts, switchgear, mechanical controls starters and elements of electro-mechanical relays (1 <sup>st</sup> Supplement)
157.	PS:1061-B/1974		Contacts, switchgear, mechanical controls, starters and elements of electro-mechanical relays (2 <sup>nd</sup> Supplement)

158.	PS:1062-1974	IEC:117-4	Measuring instruments and electric clock
159.	PS:1063-1974		IEC:117-5 Generating stations and sub-stations lines for transmission and distribution
160.	PS:1097-1974		lever switches general requirements and measuring methods
161.	PS:1098-1974		lever switches requirement of type 1 , slow-make slow-break
162.	PS:1099-1974		leaver switches requirement of type 2 quick-make , quick-break (toggle Switches)
163.	PS:1110-1974	IEC:143	Series Capacitors for power systems
164.	PS:1159-1974		Field of quantities and units used in electricity
165.	PS:1168-1974		Test procedure the evaluation of the thermal endurances of enameled wire by the lowering of eclectic strength between twisted wires.
166.	PS:1169-1974		Colours of the cores of fixable cables and cords. (withdrawn in 1976).
167.	PS:1172-1989	IEC:182-4/71	Diameter of conductors or round winding wires (1 <sup>st</sup> Rev.)
168.	PS:1173-1989(R)	IEC:142-2/87	Maximum overall diameters of enamelled round winding wires (1 <sup>st</sup> Revision)
169.	PS:1174-1974	IEC:182-3/72	Dimensions of conductors for rectangular winding wires
170.	PS:1175-1974	IEC:142-4/71	Diameters of conductors for round resistance wires
171.	PS:1176-1989(R)	IEC:183/65	Guide to the selection of high-voltage cables(1 <sup>st</sup> Revision)
172.	PS:1177-1974	IEC:184/65	Methods for specifying the characteristics of electro-mechanical transducers for shock and vibration measurements
173.	PS:1191-2013 (R)	IEC:96/65	Pakistan Standard frequencies (2 <sup>nd</sup> Revision)
174.	PS:1199-1974	IEC: 216/66	Guide for the preparation of tests procedures for evaluation the thermal endurance of electrical insulating materials

175. PS:1210-1974 IEC:227/67 Polyvinyl chloride insulated flexible cables and cords with circular conductors and a rated voltage not exceeding 750 V (withdrawn)
176. PS:1211-1974 IEC:228/66 Nominal cross-sectional areas and composition of conductors of insulated cables (withdrawn)
177. PS:1212-1992(R) IEC:229/82 Tests on cables over-sheaths which have special protective function and are applied by extrusion (1<sup>st</sup> Revision)
178. PS:1234-1980(R) IEC:251-1/78 Enamelled round wires (1<sup>st</sup> Revision)(Withdrawn & superseded by PS –4704)
179. PS:1235-1974 IEC:251-2/78 Textile-covered bunched enamelled copper wires
180. PS:1236-1994(R) IEC:252/93 A.C. Motor Capacitors (1<sup>st</sup> Revision) (withdrawn and superseded by PS:IEC 60252-1/2002)
181. PS:1237-1974 IEC:258/68 Direct recording electrical measuring instruments and their accessories.
182. PS:1240-1974 IEC:264-1/68 Container for round winding wires
183. PS:1241-1993 IEC:264-2/ Delivery spools for winding wires
184. PS:1241-2-1:1993(R) IEC:264-2-1/89 Packaging of winding wires, Part-2: Cylindrical barreled delivery spools, Section One – Basic dimensions (1<sup>st</sup> Revision)
185. PS:1241-2-2/1993 IEC:264-2-2/90 Packaging of winding wires, Part-2: Cylindrical barreled spools, Section-2: Specification for returnable spools made from thermoplastic material
186. PS:1242-1974 IEC:264/3/73 Taper barreled delivery spools for winding wires
187. PS:1243-1974 IEC:266/69 Fixed wirewound resistors type 2
188. PS:1257-1993(R) IEC:285/83 Sealed nickel-cadmium cylindrical rechargeable single cell- General requirements and test methods (1<sup>st</sup> Revision)
189. PS:1258-1974 IEC:285-2/72 Dimensions
190. PS:1259-1974 IEC:286/68 Packaging of components on continuous tapes
191. PS:1262-1974 IEC:289/68 Reactors

192.	PS:1279-1980(R)	IEC:370-1/70	Enamelled round copper wires with high mechanical properties (1 <sup>st</sup> Revision) (Withdrawn & superceded by PS:4703)
193.	PS:1280-1974	IEC:317-2/70	Heat or solvent binding self-flexing enamelled round copper wire
194.	PS:1280-A/1974	IEC:317-2/A/72	Heat or solvent binding self-flexing enamelled round copper wire (1 <sup>st</sup> Supplement)
195.	PS:1281-1974	IEC:317-3/70	Enamelled round copper wires with a temperature index of 155
196.	PS:1281-A/1974	IEC:317-3A/72	Enamelled round copper wires with a temperature index of 155 (1 <sup>st</sup> Supplement)
197.	PS:1282-1974	IEC:317-4/2000	Self fluxing enamelled round copper wires
198.	PS:1282-A/1974	IEC:317-4-A/97	Self fluxing enamelled round copper wires (1 <sup>st</sup> Supplement)
199.	PS:1283-1974	IEC:317-5/70	Heat or solvent bonding enameled round copper wire with high mechanical properties
	PS:1283-A/1974 wire with	IEC:317-5-A/72	Heat or solvent bonding enamelled round copper high mechanical properties (1 <sup>st</sup> Supplement)
317-6/70	Enamelled round copper wires with good dielectric properties under humid conditions		
	PS:1284-A/1974 dielectric	IEC:317-6A/72 properties under	Enamelled round copper wires with good humid conditions (1 <sup>st</sup> Supplement)
203.	PS:1285-1974(R)	IEC:317-7/97	Enamelled round copper wires with good dielectric properties under humid conditions (1 <sup>st</sup> Revision).
204.	PS:1286-1974	IEC:317-8/97	Enamelled round copper wires with a temperature index of 180
205.	PS:1287-1974	IEC:317-9/97	Enamelled round copper wires with high mechanical properties for use in refrigerant systems
206.	PS:1288-1974	IEC:317-10/72	Enamelled round copper wires with a temperature index of 180 for use in refrigerant systems

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| 207. | PS:1289-1974    | IEC:317-11/99 | Bunched enamelled copper wires with silk covering   |
| 208. | PS:1299-1974    | IEC:334-1/70  | Air dielectric rotary variable capacitors-General requirements for tests and measuring method   |
| 209. | PS:1300-1974    |               | Control switches. Low voltage switching devise for control and auxiliary circuits including contactor relays. Part 1: General requirements.   |
| 210. | PS:1301-1974    |               | Control switches. Low voltage switching devise for control and auxiliary circuits including contactor relays. Part 2: special requirements for specific types of control switches, section One: push button and related control switches. |
|      | PS: 1301-A-1974 |               | Control switches. Low voltage switching devise for control and auxiliary circuits including contactor relays. Part 2: special requirements for specific types of control switches, section Two: 1 <sup>st</sup> supplement.               |
|      | PS: 1301-B-1974 |               | Control switches. Low voltage switching devise for control and auxiliary circuits including contactor relays. Part 2: special requirements for specific types of control switches, section Two: 2 <sup>nd</sup> supplement.               |
| 213. | PS:1312-1974    | IEC: 358/71   | Coupling capacitors and capacitor dividers  |
| 214. | PS:1319-1974    |               | Conventions concerning electric and magnetic circuits.  |
| 215. | PS:1328-1974    | BS:215-1/70   | Aluminium stranded conductors for overhead power transmission   |
| 216. | PS:1329-1974    | BS:215-2/70   | Aluminium conductors, steel reinforced for overhead power transmission  |
| 217. | PS:1330-1974    | BS:4565       | Galvanized steel wire for aluminium conductors, steel reinforced  |
| 218. | PS:1331-1974    | IEC:242/67    | Pakistan standard frequencies for centralized network installation  |
| 219. | PS:1350-1989(R) | IEC:254-1/97  | General requirements and methods of test (2 <sup>nd</sup> Revision)   |
| 220. | PS:1351-1989(R) | IEC:254-2/73  | Dimensions of cells and terminals and marking (2 <sup>nd</sup> Revision)  |
| 221. | PS:1352-1985(R) | IEC:305/95    | Characteristics of string insulator units of the cap and pin type (1 <sup>st</sup> Revision)  |

222.	PS:1353-1986(R)	IEC:120/84	Dimensions of ball and socket couplings of string insulator units (2 <sup>nd</sup> Revision)
223.	PS:1354-1986(R)	IEC:137/84	Bushing for alternating voltages above 1000 V (1 <sup>st</sup> Revision)
224.	PS:1380-1995(R)	IEC:233/74	Tests on hollow insulators for use in electrical equipment (1 <sup>st</sup> Revision)
225.	PS:1381-1990	IEC:273/90	Characteristics of indoor and outdoor post insulators for systems with nominal voltages greater than 1000 V
226.	PS:1406-1978	IEC:138/54	Oxygen free high conductivity copper for special applications
227.	PS:1407-1978	BS:5099/92	Spark testing of electric cables
228.	PS:1408-1978	BS:4990/73	Copper-clad aluminium conductors in insulated cables (superseded by PS:566)
229.	PS:1409-1978	BS:6007/75	Rubber-insulated cables for electric power and lighting
230.	PS:1410-1978	BS:4109/70	Copper wire for electrical purposes and for insulated cables and flexible cords
231.	PS:1411-1978	BS:2755/70	Copper and copper-cadmium stranded conductors for overhead electric traction systems
232.	PS:1412-1978	BS:23/70	Copper and copper-cadmium trolley and contact for electric traction
233.	PS:1413-1978	IEC:105/58	Commercial purity aluminium bar material
234.	PS:1414-1978	IEC:104/87	Aluminium alloy conductor wire of the aluminium magnesium silicon type
235.	PS:1415-1978	IEC:111/59	Resistivity of commercial hard-drawn aluminium electrical conductor wire
236.	PS:1416-1987(R)	BS:4607-1/82	Specification for fittings and components of insulating materials (1 <sup>st</sup> Revision)
237.	PS:1417-1987(R)	BS:4607-5/82	Specification for rigid conduits fittings and components of insulating materials (1 <sup>st</sup> Revision)
238.	PS:1418-1978	BS:679/74	Aluminium conductors in insulated cables(Superseded by PS:566)

239.	PS:1419-1978	BS:3988/70	Wrought aluminium for electrical purposes – Solid conductors for insulated cables
240.	PS:1420-1978	IS:1553/70	Unalloyed copper containing not less than 99.90% of copper-determination of copper-electrolytic method
241.	PS:1421-1978	IS:1010/71	Chemical analysis of copper and copper alloy – Sampling of copper refinery shape
242.	PS:1422-1978	BS:176/70	Copper binding and joining wires for telegraph and telephone purposes
243.	PS:1423-1978	BS:177/70	Copper and copper-cadmium tapes and binders for telegraph and telephone purposes
244.	PS:1424-1978	BS:179/80	Copper jointing sleeves for telegraph and telephone purposes
245.	PS:1425-1978	BS:181/70	Copper-cadmium jointing sleeves for telegraph and telephone purposes
246.	PS:1441-1979		Copper and copper alloys wire
247.	PS:1453-1979	IEC:400/72	Lamp-holders for tubular fluorescent lamps and starter-holders
248.	PS:1454-1979	BS:3239/60	Determination of resistivity of metallic electrical conductor materials (Superseded by PS:1533)
249.	PS:1455-1979	BS:989/53	Hard-drawn high conductivity copper (withdrawn)
250.	PS:1497-1980	IEC:360/71	Standard method of measurement of lamp cap temperature rise
251.	PS:1498-1980	IEC:529/76	Classification of degrees of protection provided by enclosures
252.	PS:1518-1987(R)	IEC:566	Capacitors for use in tubular fluorescent, high-pressure mercury and low-pressure sodium vapour discharge lamp circuits (1 <sup>st</sup> Revision)
253.	PS:1519-1981	IEC:162	Luminaires for tubular fluorescent lamps (Superseded by PS:1601)
254.	PS:1531-1986(R)	IEC:408/85	Low-voltage air-breaker switches air breaker disconnections air breaker switch disconnections and fuse combination units (1 <sup>st</sup> Revision)
255.	PS:1532-1/1990(R)	IEC:157-1/73	Circuit-breakers (1 <sup>st</sup> Revision)
256.	PS:1533-1982	BS:5714/87	Methods of measurement of resistivity of metallic materials



257.	PS:1534-1982	IEC:121/60	Commercial annealed aluminium electrical conductor wire
258.	PS:1535-1987(R)	IEC:379/86	Method for measuring the performance of electric storage water-heaters for household purposes (1 <sup>st</sup> Revision)
259.	PS:1536-1982	IEC:531/99(R)	Methods for measuring the performance of household electric room heaters of the storage type
260.	PS:1537-1982	IEC:299/94(R)	Measurement of the performance characteristic of electric blankets
261.	PS:1565-1985	IEC:383/93	Test on insulators of ceramic material or glass for overhead lines with a nominal voltage greater than 1000 V (Replaced PS : 293/1963).
262.	PS:1566-1983	BS:6231/81	PVC-insulated cables for switchgear and controlgear wiring
263.	PS:1601-1/2013 (R)	IEC:598-1/86	Luminaires – General requirements and tests (1 <sup>st</sup> Revision)
	PS:1601-2-1/2013	IEC:598-2-1/79	Luminaires – Fixed general purpose
	PS:1601-2-2/2013	IEC:598-2-2/97	Luminaires – Recessed
	PS:1601-2-3/2013 (R)	IEC:598-2-3/2000	Luminaires for road and street lighting (1 <sup>st</sup> Revision)
	PS:1601-2-4/2013 (R)	IEC:598-2-4/97	Luminaires – Portable general purpose
	PS:1601-2-5/2013 (R)		IEC:598-2-5/98 Flood Light

186/87

## Voltage Transformers

270.	PS:1603-1983	BS:5685	Electricity meters – Class 0.5, 1 and 2 single-phase and poly-phase, single-rate and multi-rate watt hour meters (Replaced PS-131-1960).
271.	PS:1663-1985	IEC:188/2001	High-pressure mercury vapour lamps
272.	PS:1664-1985	IEC:262/69	Ballasts for high-pressure mercury vapour lamps
273.	PS:1665-1994(R)	IEC:502/85	Extruded solid dielectric insulated power cables for rated voltages from 1 kV to 30 kV (1 <sup>st</sup> Revision)
274.	PS:1666-1985	BS:5000-11/73	The electrical performance of small power electric motors and generators

275.	PS: 1701-1985		Ferronobium-Specification and condition of delivery.
276.	PS: 1702-1985		Ferrotungsten-Specification and condition of delivery.
277.	PS:1744-2013 (R)	IEC: 60670	Boxes for the enclosures of electrical accessories
278.	PS:1745-1985	IEC:230/66	Impulse tests on cables and their accessories
279.	PS:1746-1996(R)	IEC:214/89	On-load tap-changers (1 <sup>st</sup> Revision)
280.	PS:1747-1985	IEC:575/77	Thermal mechanical performance tests and mechanical performance tests on string insulators units
281.	PS:1748-1985	IEC:506/25	Switching impulse tests on high voltage insulators
282.	PS:1775-1995(R)	IEC:942/88	Application guide for on-load tap changers (1 <sup>st</sup> Revision)
283.	PS:1776-1986	ISO:1919/89	Road vehicles-spark plugs M14x1.25 with flat seating and their cylinder head housing
284.	PS:1777-1986	ISO:2344/98	Road vehicles-spark plugs M14x1.25 with conical seating and their cylinder head housing
285.	PS:1778-1986	ISO:2345/94	Road vehicles-spark plugs M18x1.5 with flat seating and their cylinder head housing
286.	PS:1779-1986	ISO:2346	Road vehicles-compact spark plugs M14x1.25 with flat seating and their cylinder head housing
287.	PS:1780-1986	ISO:2347	Road vehicles-compact spark plugs M14x1.25 with conical seating and their cylinder head housing
288.	PS:1781-1986	ISO:2348	Road vehicles-spark plugs M10x1 with flat seating and their cylinder head housing
289.	PS:1837-1987	BS:6469	Methods of test for insulation and sheath of electric cables
290.	PS:1904-1987	IEC:675/99	Methods for measuring the performance of house-hold electric room heaters other than storage heaters
291.	PS:1905-2013 (R)	IEC: 61386	Conduits for electrical installations, Part-1: Specification of general requirements

292.	PS:1970-1988	IEC:736/92	Testing equipment for electrical energy meters
293.	PS:1971-1988	IEC:141-1/76	Tests on oil-filled and gas-pressure cables and their accessories, Part-1: Oil-filled, paper-insulated, metal-sheathed cables and accessories for alternating voltages up to and including 400 kV
294.	PS:1972-1988	IEC:601815/86	Guide for the selection of insulators in respects of polluted conditions
295.	PS:1973-1988	IEC:291	Fuse definitions
296.	PS:1974-1988	IEC:129/84	Alternating current disconnectors and earthing switches
297.	PS:1975-1988	IEC:755/83	General requirements for residual current operated protective devices
298.	PS:2107-1989	IEC:535/79	Jet fans and regulators
299.	PS:2108-1989	IEC:168/88	Tests on indoor and outdoor post insulators of ceramic material or glass for systems with nominal voltages greater than 1000 V
300.	PS:2109-1989	IEC:2694/80	Common clauses for high-voltage switchgear and control- gear standards
301.	PS:2110-1989	IEC:60269/86	Low-voltage fuses, Part-1: General requirements
302.	PS:2111(00)/1989	IEC:50(10)/79	General index of the electro-technical vocabulary
303.	PS:2111(26)/1989	IEC:50(26)/68	Nuclear power plants for electric energy generation
304.	PS: 2111 (55)-1990	IEC:60050(55)	Electrotechnical vocabulary, chapter 55, Telegraphy and telephony.
305.	PS: 2111 (60)-1998	IEC: 50(60)	Electrotechnical vocabulary, Radio-communications.
306.	PS:2111(101,121, 101,121,131,151 PS-300-1963 & PS:2882)	IEC:50	Fundamental definitions (Replaced 131,151)(R) /2001
307.	PS:2111 (111-01, 111-02)-1989	IEC:50(111)	Electrochemistry and electro-metallurgy.
308.	PS:2111(131)/2002	IEC:50(131)	Circuit theory
309.	PS:2111(151)/2002	IEC:50-151/02	Electrical and magnetic devices. (Replaced PS: 2882-1990)
310.	PS:2111(301)/1998	IEC:50-(301, 302,	Chapter 301: General terms on measurements in electricity. Chapter 302: Electrical measuring instruments.

			Chapter 303: Electric measuring instruments. (Replaced PS-308/1963)
311.	PS: 2111(321)-1989	IEC 50 (321)	Instrument transformers.
312.	PS: 2111(351)-1989	IEC 50 (351)	Automatic control. (Replaced PS-331/63)
313.	PS: 2111(371)-1990	IEC 50 (371)	Chapter 371. Telecontrol.
314.	PS: 2111(391)-1989	IEC 50 (391)	Detection and measurement of ionizing radiation by electric means.
315.	PS: 2111(392)-1989	IEC 50 (392)	Nuclear instrumentation, supplement to chapter 391.
316.	PS: 2111(411)-2001	IEC 50 (411)	Rotating machinery. (Replaced PS-303/63)
317.	PS: 2111(431)-1989	IEC 50 (431)	Transducers (Replaced PS-305/63)
318.	PS: 2111(441)-2002	IEC: 50 (441)	Switchgear, controlgear and fuses. (Replaced PS-306/63)
319.	PS:2111(446, 448)-02	IEC:50 (448)	Electric relays, power system protection. (Replaced PS-307/63)
320.	PS:2111(461)-1994(R)	IEC: 50(461)	Chapter 461: Electric cables (Revised)
321.	PS:2111(471)-1989	IEC: 50(471)	Chapter 471: Insulators.
322.	PS:2111(521)-1990	IEC: 50(521)	Chapter 521: Semiconductor devices and integrated circuits. (Replaced PS-301/1963)
323.	PS:2111(531)-1990	IEC: 50(531)	Chapter 531:Electric Tubes (Replaced PS-301/1963)
324.	PS:2111(601)-2002(R)	IEC: 50(601)	Chapter 601: General transmission and distribution of electricity. General (Revised)
325.	PS: 2111(602)-2002(R)	IEC: 50(602)	Generation, transmission and distribution of electricity. General (Revised)
326.	PS:2111(603)-2002	IEC: 50(603)	Chapter 603: Generation, transmission and distribution of electricity – power system planning and management.
327.	PS:2111(604)-2002(R)	IEC: 50(604)	Chapter 604: Operation (Revised)
328.	PS:2111(605)-2002(R)	IEC: 50(605)	Substations (Revised)
329.	PS:2111(691)-1989(R)	IEC: 50(691)	Tariffs for electricity. (Revised)
330.	PS:2111(826)-2001(R)	IEC: 50(826)	Electrical installations of buildings (Revised).

331.	PS:2111(841)/1989	IEC:50(841)	Industrial electro-heating (Replaced PS-312/63)
332.	PS:2111(845)/1989	IEC:50(845)	Lighting (Replaced PS-313/63)
333.	PS:2112-1989	IEC:604132	Test procedures for determining physical properties of brush materials for electrical machines
334.	PS:2113-1989	IEC:560	Definitions and terminology of brush-holder for electrical machines
335.	PS:2114—1989	IEC:773/83	Test methods and apparatus for the measurement of the operational characteristics of brushes
336.	PS:2115-1989	IEC:894/87	Guide for test procedure for the measurement of loss tangent of coils and bars for machine windings
337.	PS:2116-1989	IEC:41/63	International code for the field acceptance tests of hydraulic turbines
338.	PS:2117-1989	IEC:193/65	International code for model acceptance tests of hydraulic turbines
339.	PS:2117-A/1989	IEC: 193-A/72	(First Supplement)
340.	PS:2118-1989	IEC:198/66	International code for the field acceptance tests of storage pumps
341.	PS:2119-1989	IEC:74/63	Method for assessing the oxidation stability of insulating oils (Incorporating amendments No.1: 1973 & No.2:1974)
342.	PS:2120-1989	IEC:156/63	Method for the determination of the electric strength of insulating oils.
343.	PS:2121-1989	IEC:247/78	Measurement of relative permittivity, dielectric dissipation factor and d.c. resistivity of insulating liquids
344.	PS:2122-1989	IEC:474/74	Test method for oxidation stability of inhibited mineral insulating oils
345.	PS:2123-1989	IEC:588-5/79	Part-5: Screening test for compatibility of materials and transformer askarels
346.	PS:2123-6/1989 capacitor askarels	IEC:588-6/79	Part-6: Screening test for effects of materials on
347.	PS:2124-1989	IEC:666/79	Detection and determination of specified anti-oxidant additives in

## insulating oils

348.	PS:2125-1989	IEC:2733/82	Determination of water in insulating oils, and in oil-impregnated paper and pressboard
349.	PS:2126-1989	IEC:813/85	Test method for evaluating the oxidation stability of hydrocarbon insulating liquids
350.	PS:2127-1989	IEC:814/85	Determination of water in insulating liquids by automatic coulometric Karl Fischer titration
351.	PS:2128-1989	IEC:8972/987	Methods for the determination of the lightning impulse breakdown voltage of insulating liquids
352.	PS:2129-1989	IEC:93/88	Methods of test for volume resistivity and surface resistivity of solid electrical insulating materials
353.	PS:2130-1989	IEC:112/79	Method for determining the comparative and the proof tracking indices of solid insulating materials under moist conditions
354.	PS:2131-1989	IEC:167/64	Methods of test for the determination of the insulation resistance of solid insulating materials
355.	PS:2132-1989	IEC:243/67	Recommended methods of test for electric strength of solid insulating materials at power frequencies
356.	PS:2133-1989	IEC:250/59	Recommended methods for the determination of the permittivity and dielectric dissipation factor of electrical insulating materials at power, audio and radio frequencies including meter wavelengths
357.	PS:2134-1989	IEC:290/69	Evaluation of the thermal endurance of electrical insulating varnishes by the helical coil bond test
358.	PS:2135-1989	IEC:290/69	Recommended test methods for determining the relative resistance of insulating materials to breakdown by surface discharges
359.	PS:2136-1989	IEC:343/70	Method of test for electrical resistance and resistivity of insulating materials at elevated temperature
360.	PS:2137-1989	IEC:370/71	Test procedure for thermal endurance of insulating varnishes – Electric strength method
361.	PS:2138-2/1989	IEC:371-2/87	Specification for insulating materials based on mica. Part-2: Methods of test

362.	PS:2139-1/1989	IEC:377-1	Methods for the determination of the dielectric properties of insulating materials at frequencies above 300 MHz. Part-1: General.
363.	PS:2139-2/1989	IEC:377-2	Part-2: Resonance methods
364.	PS:2140-1/1989	IEC:394-1/72	Varnished fabrics for electrical purposes Part –1 Definitions & general requirements.
365.	PS:2140-2/1989	IEC:394-2/72	Part-2: Methods of test
366.	PS:2141-1989	IEC:4262/93	Test methods for determining electrolytic corrosion with corrosion with insulating material
367.	PS:2142-1989	IEC:450/74	Measurement of the average viscometric degree of polymerization of new and aged electrical papers
368.	PS:2143-2/1989	IEC:454-2	Specifications for pressure-sensitive adhesive tapes for electrical purposes Part-2: Methods of test
369.	PS:2144-2/1989	IEC:455-2/77	Specification for solventless polymerizable resinous compounds used for electrical insulating Part-2: Methods of test.
370.	PS:2144-2-2/1989	IEC:455-2-2	Part-2: Methods of test. Test methods for coating powders for electrical purposes
371.	PS:2145-2/1989	IEC:464-2/74	Specification for insulating varnishes containing solvent Part-2: Test methods
372.	PS:2146-1/1989	IEC:493-1	Guide for the statistical analysis of ageing test data Part-1: Methods based on mean values of normally distributed test results
373.	PS:2147-3/1989	IEC:544-3/79	Guide for determining the effects of ionizing radiation on insulating materials Part-3: Test procedures for permanent effects
374.	PS:2148-2/1989	IEC:554-2/77	Specification for cellulosic papers for electrical purposes Part-2: Methods of test
375.	PS:2149-1989	IEC:587/84	Test methods for evaluating resistance to tracking and erosion of electrical insulating materials used under severe ambient conditions
376.	PS:2150-1989	IEC:589/77	Methods of test for the determination of ionic impurities in electrical insulating materials by extraction with liquids

377.	PS:2151-1989	IEC:626-2/70	Specification of combined flexible materials for electrical insulation Part-2: Methods of test
378.	PS:2152-1989	IEC:641-2/79	Specification for pressboard and presspaper for electrical purposes Part-2: Methods of test
379.	PS:2153-1989	IEC: 648/79	Method of test for coefficients of fraction of plastic film and sheeting for use as electrical insulation
380.	PS:2154-2/1989	IEC:667-2/82	Specification for vulcanized fibre for electrical purposes Part-2: Methods of test
381.	PS:2155-2/1989	IEC:672	Specification for ceramic and glass insulating materials Part-2: Methods of test
382.	PS:2156-2/1989	IEC:684-2/84	Specification for flexible insulating sleeving Part-2: Methods of test
383.	PS:2157-1989	IEC:699/81	Test method for the evaluation of bond strength of impregnating varnishes by the wire bundle test
384.	PS:2158-1989	IEC:707/81	Methods of test for the determination of the flammability of solid electrical insulating materials when exposed to an igniting source
385.	PS:2159-1989	IEC:795/84	Test method for evaluating thermal endurance of flexible sheet materials using the wrapped tube method
386.	PS:2160--11980	IEC:55-1/78	Paper-insulated metal-sheath cables for rated voltages up to 18/30 kV (with copper or aluminium conductors and excluding gas-pressure and oil-filled cables) Part-1: Tests
387.	PS:2161-2/1989	IEC:141-2/63	Tests on oil-filled and gas-pressure cables and their accessories Part-2: Internal gas-pressure cables and accessories for alternating voltages up to 275 kV
388.	PS:2161-3/1989	IEC:141-3/63	Part-3 External gas-pressure (gas compression cables and accessories for alternating voltage up to 275 kV
389.	PS:2161-4/1989	IEC:141-4/80	Oil-impregnated paper-insulated high pressure oil-filled pipe-type cables and accessories for alternating voltages up to and including 400 kV
390.	PS:2162-2/1989	IEC:227-2/79	Polyvinyl chloride insulated cable of rated voltages up to and including 450/750 V Part-2: Test methods



391.	PS:2163-1989	IEC:229/82	Tests on cable oversheaths which have a special protective function and are applied by extrusion
392.	PS:2164-2/1989	IEC:295	Rubber insulated cables of rated voltages up to and including 450/750 V Part-2: Test methods
393.	PS:2165-1989	IEC:5402/82	Test methods for insulations and sheaths of electric cables and cords (elastomeric and thermoplastic compounds)
394.	PS:2166-1/1989	IEC:754-1/82	Test on gases evolved during combustion of electric cables Part-1: Determination of the amount of halogen acid gas evolved during the combustion of polymeric materials taken from cables
395.	PS:2167-1/1989	IEC:811-1/85	Common test methods for insulating and sheathing materials of electric cable Part-1: Methods for general application
396.	PS:2167-1-1/1989	IEC:811-1-1/85	Section One: Measurements of thickness and overall dimensions – Tests for determining the mechanical properties
397.	PS:2167-1-2/1989	IEC:811-1-2/85	Section Two: Thermal ageing methods
398.	PS:2167-1-3/1989	IEC:811-1-3/85	Section Three: Methods for determining the density – Water absorption test – Shrinkage test
399.	PS:2167-1-4/1989	IEC:811-1-4/85	Section Four: Test at low temperature
400.	PS:2167-2-1/1989	IEC:811-2	Part-2: Methods specific to elastomeric compounds
401.	PS:2167-3-1/1989	IEC:811-2-1/86	Section One: Ozone resistance test – Hot set test-mineral oil immersion test
402.	PS:2167-3-2/1989	IEC:811-3	Part-3: Methods specific to PVC compounds
403.	PS:2167-4-1/1989	IEC:811-3/85	Section One: Pressure test at high temperature – Test for resistance to cracking
404.	PS:2168-1/1989	IEC:885-1/87	Electrical test methods for electric cables Part-1: Electrical tests for cables, cords and wires for voltages up to and including 450/750 V
405.	PS:2168-2/1989	IEC:885-2/87	Part-2: Partial discharge tests

406.	PS:2169-1989	IEC:396/72	Test methods for induction furnaces with submerged channels
407.	PS:2170-1989 heating	IEC:397/72 resistors	Test methods for batch furnaces with metallic
408.	PS:2170-A/1989 Determination of accumulated heat	IEC:397/72	First Supplement: Sub-clause 5.14:
409.	PS:2171-1989	IEC:646/79	Test methods for crucible induction furnaces
410.	PS:2172-1989	IEC:616/80	Test methods for direct arc furnaces
411.	PS:2173-1989	IEC:680/80	Test methods of plasma equipment for electro-heat applications
412.	PS:2174-1989	IEC:683/80	Test methods for submerged arc furnishes
413.	PS:2175-1989	IEC:703/81	Test methods for electro-heating installations with electron guns
414.	PS:2176-1989	IEC:779/83	Test methods for electro-slag remelting furnaces
415.	PS:2177-1989	IEC:6342/78	Heat test source (H.T.S.) lamps for carrying out heating tests on luminaries
416.	PS:2178-1989	IEC:438/73	Tests and dimensions for high-voltage a.c. insulators
417.	PS:2179-1989	IEC:507/75	Artificial pollution tests on high-voltage insulators to be used on a.c. systems
418.	PS:2180-5/1989	IEC:255-5/77	Electrical relay Part-5: Insulation tests for electrical relays
419.	PS:2180-7/1989	IEC:255-7/78	Part-7: Test and measurement procedure for electro-mechanical all-or-nothing relays
420.	PS:2180-14/1989	IEC:255-14/81	Part-14: Endurance test for electrical relays contacts-preferred values of contact loads
421.	PS:2180-15/1989	IEC:255/15/81	Part-15: Endurance tests for electrical relays contacts – Specification for the characteristics of test equipment.
422.	PS:2181-2-1/1989	IEC: 60068-2-1	Basic environmental testing procedures Part-2: Tests: Test A: Cold

423. PS:2181-2-1A/1989 IEC: 60068-2-1A First Supplement
424. PS:2181-2-2/1989 IEC: 60068-2-2 Tests B: Dry heat. (Superseded by PS-1011/1974) Contains Test Ba. Dry heat for non-heat dissipating Specimen with sudden change of temperature; Test Bb: Dry heat for non-heat dissipating specimen with gradual change to temperature; Test BC: Dry heat for heat-dissipating specimen with sudden change of temperature; Test Bd: Dry heat for heat-dissipating specimen with gradual change or temperature. The 1987 reprint includes IEC No. 62-2-2A.
425. PS:2181-2-3/1989 IEC: 60068-2-3 Test Ca: Damp heat, steady state. (superseded by PS-1012/1974) Describes a continuous test at a steady temperature of 40 C and a relative humidity of 90-95%. The standard test duration is 4 to 56 days.
426. PS:2181-2-5/1989 IEC60068-2-5 Test Sa: Simulated solar radiation at ground level Determines the thermal, mechanical, chemical, electrical and other effects on equipment and components as a result of exposure to solar radiation at the surface of the earth.
427. PS:2181-2-6/1989 IEC60068-2-6 Test Fc and guidance: Vibration (sinusoidal) (Superseded by PS-1014/1974) Gives a method of test which provides a standard procedures to determine the ability of components, equipment and other articles to with stand specified services of sinusoidal vibration. Has the status of a basis safety publication in accordance with IEC Guide 104.
428. PS:2181-2-7/1989 IEC60068-2-7 Test Ga and guidance: Acceleration, steady state applied to the structural suitability and the satisfactory performance of components and equipment when subjected of forces produced by steady acceleration.. Has the status of a basic safety publication in accordance with IEC Guide 104.
429. PS: 2181-2-10/1989 IEC: 60068-2-10 Part 2: Test J and guidance: Mould growth (superseded by PS-1017/1974) This test covers the inoculation of assembles specimen with a selection of mould spores followed by a period of incubation under conditions which promote spore germination and the

growth of mould. Two variations of the test are given.. variation 1 specifies direct inoculation of the specimen with the mould spores whereas variant 2 specifies the pre-conditioning of the test specimen with nutrients which support mould growth.

430. PS: 2181-2-11/1989 IEC: 60068-2-11 Test Ka: Salt mist (Superseded by PS-1018/1974). Compares resistance to deterioration from salt mist between specimens of similar construction. May be used to evaluate the quality and the uniformity of protective coatings.
431. PS: 2181-2-13/1989 IEC: 60068-2-13 Test M: Low air pressure (superseded by PS-1019/1974) Determines the ability of components, equipment and other articles to be stored, transported or used under low air pressure conditions.
432. PS: 2181-2-14/1989 IEC: 60068-2-14 Test N: Change of temperature (Superseded by PS-1020/1974) Determines the ability of components, equipment and other articles to withstand rapid changes of ambient temperature. The exposure times to accomplish this depend upon the nature of the specimen.
433. PS: 2181-2-17/1989 IEC: 60068-2-17 Test Q: Sealing (Superseded by PS-1021/1974) Includes a number of tests which use different conditioning procedure appropriate for different application.
434. PS: 2181-2-20/1989 IEC: 60068-2-20 Test T: Soldering (Supersede by PS-1022/1974) Describes solder-ability tests on wire and tag terminations (Ta), and Printing Wiring Boards (Tc) also describes tests for resistance to soldering heat, applicable to components (Tb).
435. PS: 2181-2-21/1989 IEC: 60068-2-21 Tests U: Robustness of terminations and integral mounting devices (Superseded by PS-1023/197) Applicable to all electrical and electronic components whose terminations or integral mounting devices are liable to be submitted to stress during normal assembly or handling operations.
436. PS: 2181-2-27/1989 IEC: 60068-2-27 Part 2: Tests: Test Ea and guidance; shock (superseded by PS-1024/1974) Applies to components, equipment and other electro technical products which during transportation or in use, may be subjected to relatively infrequent non-repetitive shocks. Provide a procedure for

determining the ability of a specimen to withstand specified severities of shock. Has a status of basic safety publication in accordance with IEC guide 104.

437. PS: 2181-2-29/1989 IEC: 60068-2-29 Part 2: Tests: Test Eb and guidance: Bump (Superseded by PS-1026/1974) Determines the ability of specimen to with stand specified severities of bump. Has status of a basic safety publication in a accordance with IEC guide 104.
438. PS: 2181-2-30/1989 IEC: 60068-2-30 Test Db and guidance: Damp heat, cyclic (12 + 12 – hour cycle) (superceded by PS- 1027/1974) Determine the suitability of components, equipment and other articles for use and / or storage under conditions of high humidity when combined with cyclic temperature changes.
439. PS: 2181-2-31/1989 IEC: 60068-2-31 Test Ec: Drop and topple, primarily for equipment-type specimens. (Superceded by PS- 1028/1974) Determines the effect on a specimen of simple standard treatments which are representative of the knocks and jolts likely to occur during repair work or rough handling on a table or bench. Has the stands of basic safety publication in accordance with IEC guide 104.
440. PS: 2181-2-32/1989 IEC: 60068-2-32 Test Ed: Free fall. (Superceded by PS- 1029/197) Determines the effect on a specimen of standard treatments which are representative of the fails likely to occur during rough handling. Has the status of a basic safety publication in accordance with IEC Guide 104.
441. PS: 2181-2-34/1989 IEC: 60068-2-34 Test Fd: Random vibration wide band – General Requirements. (Superseded by PS-1031/1974)
442. PS: 2181-2-35/1989 IEC: 60068-2-35 Test F da: Random vibration wide band – Reproducibility High. (Superseded by PS-1032/1974)
443. PS: 2181-2-36/1989 IEC: 60068-2-36 Test F db: Random vibration wide band-Reproducibility Medium (Superseded by PS- 1033/1974)
444. PS: 2181-2-37/1989 IEC: 60068-2-37 Test F dc: Random vibration wide band- Reproducibility Low. (Superseded by PS-1034/1974)
445. PS: 2181-2-38/1989 IEC: 60068-2-38 Test Z/AD: Composite temperature / humidity cyclic test. Applies to component type specimen and is a test to determine in accelerated manner the resistance to the effects of high temperature.

446. PS: 2181-2-39/1989 IEC: 60068-2-39 Test Z/AMD: Combined sequential cold, low air pressure, and damp heat Test. Applies to air craft components and equipment, particularly those installed in unheated or un-pressurized conditions.
447. PS: 2181-2-40/1989 IEC: 60068-2-40 Test Z/AM: combined cold / low air pressure tests. Applies to heat-dissipating and non-heat-dissipating specimens and is a test to determine the ability of components, equipment and other article to be stored and used under a simultaneous combination of low temperature and low air pressure.
448. PS: 2181-2-41/1989 IEC: 60068-2-41 Test Z/BM: Combined dry heat/low air pressure tests. Applies to heat-dissipating and non-heat-dissipating specimens is a the test is to be determine the ability of component equipment and other articles to be stored and used under a simultaneous combination of high temperature and low air pressure.
- 449.PS: 2181-2-42/1989 IEC: 60068-2-42 Test Kc: Sulphur dioxide test for contacts and connections. Provides an accelerated means of assessing the corrosive effect of atmospheres polluted with sulphur dioxide on contacts and connections
450. PS: 2181-2-43/1989 IEC: 60068-2-43 Test Kd: Hydrogen sulphide test for contacts and connections, to determine the influence of atmospheres containing hydrogen sulphide on the contact properties of contacts made of silver or silver alloy, silver protected with another layer, other metals covered with silver or silver alloy. To check wrapped or crimped connections made of the same materials with regard to tightness or effective-ness. The criterion of performance is the change in contact resistance caused by exposure to the hydrogen-sulphide-containing atmosphere.
- 451.PS: 2181-2-45/1989 IEC: 60068-2-45 Test XA and guidance: Immersion in cleaning solvents applies to electronic components and other parts mounted on printed circuit bonds which may be subjected to cleaning operations. Also gives information on test solvents and test temperatures.
452. PS: 2181-2-50/1989 IEC: 60068-2-50 Test Z/AFc: Combined cold/vibration (sinusoildal) tests for both heat-dissipating and non-heat dissipating specimens. Combination f test Fc: Vibration (sinusioldal) and test A cold.

453. PS: 2181-2-51/1989 IEC: 60068-2-51 Test Z/BFc: combined by heat-vibration (sinusoidal) tests for both heat-dissipating and non-heat-dissipating specimens combination of Test Fc. Vibration (sinusoidal) and test B. Dn heat.
454. PS: 2181-2-52/1989 IEC: 60068-2-52 Tests Kb: Salt mist, cyclic (sodium chloride solution) Determines the suitability of components and equipment for use or exposure in a salt-laden atmosphere.
455. PS: 2181-2-53/1989 IEC: 60068-2-53 Guidance to tests Z/AFc and Z/BFc: combined temperature (cold and dry heat) and vibration (sinusoidal) tests. Gives guidance on the use of Tests / ZAfc and Z/BFc when testing components, equipment and other electro-technical products.
456. PS: 2181-2-54/1989 IEC: 60068-2-54 Test Ta: Soldering, solderability testing by the wetting balance method. Determines the solderability of components terminations of any shape. Specially suitable for reference testing and components that cannot be quantitatively tested by other methods.
457. PS: 2181-3-1-1989 IEC: 60068-3-13 Background information Section One-Cold and dry heat tests gives background information for test A: Cold (IEC 68-2-1), and Tests B: Dry heat (IEC 68-2-2). Includes appendices on the effect of: chamber size on the surface temperature of a specimen when no forced air circulation is used; airflow on chamber conditions and on surface temperature of test specimens: wire termination dimension and material on surface temperature of component; measurement of temperature, air velocity and emission coefficient.
- 458 PS: 2181-3-1A-1989 IEC: 60068-3-1A First Supplement Gives additional information for cases where temperature stability is not achieved during the t
459. PS: 2181-3-2/1989 IEC: 60068-3-2 Basic Environmental Testing Procedures Part-3: Background Information Section Two: Combined temperature/two air pressure tests gives background information for test Z/AM: Combined cold/low air pressure tests (IEC 68-2-40), AND TEST Z/BM. Combined by heat/low pressure tests (IEC 68-2-41)
460. PS: 2181-4/1989 IEC: 60068-4 Information for specification writers – Test summaries Provide information on individual environment test for specification writers and others

when a knowledge of the detailed provisions of the complete standard is not required. These summaries are not intended to be a substitute for the standards concerned.

461.	PS: 2182-2-/1989	IEC: 60095-2	<p>Fire hazard testing. Part-2: Test methods needle flame test. Specifies a needle-flame test to stimulate the effect of small filament which may result from fault conditions within the equipment, in order to assess by a simulation technique the fire hazard. This edition supersedes the first edition of IEC 695-2-2(1980).</p> <p>Has the status of a basic safety publication in accordance with IEC Guide 4.</p>
462.	PS: 2182-2-1/1989	IEC: 60095-2-1	<p>First hazard testing. Part-2-1: Glow-wire test and; guidance.</p>
463.	PS: 2182-2-2/1989	IEC: 60095-2-2	<p>Pt-2-2; Needle-flame test</p>
464.	PS: 2182-2-3/1989	IEC: 60095-2-3	<p>Pt 2-3: Bad-connection test with heaters</p> <p>The bad-connection test with heaters is intended to simulate are overheated connection, consideration being given to the connection and to the current passing through it under normal conditions of use, in order to assess the fire hazard by a simulation technique. The test is to be applied only to screw connections. Has the status of a basic safety publication in accordance with IEC Guide 104. This test should not be used for new work.</p>
465.	PS: 2183-1989	IEC 60851	<p>Methods of test for winding wires</p> <p>Gives methods for calculating the cyclic rating factor for cables where the internal thermal capacitance can be neglected.</p>
466.	PS: 2183-2/1989	IEC: 60851-2	<p>Methods of test for winding wires.</p> <p>Part-2: Determination of dimensions specifies the following method of test:</p> <p>Test 4: Dimensions:</p>
467.	PS: 2183-3/1989	IEC: 60851-3	<p>Methods of testing for winding wires.</p> <p>Part-3: Mechanical properties specifies the following methods of test:</p> <p>Part-6: Elongation;</p> <p>Part-7: Springiness;</p> <p>Part-8: Flexibility and adherence;</p> <p>Part-11: Resistance to abrasion;</p> <p>Part-18: Heat or solvent bonding;</p>
468.	PS: 2183-5/1989	IEC: 60851-5	<p>Part-5: Electrical properties</p> <p>Test 5: Electrical resistance;</p>



Test 13: Breakdown voltage;  
 Test 14: Continuity of insulation  
 Test 19: Dielectric dissipation factor

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| 469. PS: 2183-6/1989  | IEC: 60851-6 | Part-6: Thermal properties specifies the following tests:<br>Test 9: Heat shock;<br>Test 10: Cut-through;<br>Test 15: Temperature index;<br>Test 12: Loss of mass   |
| 470. PS: 2184/1989    | IEC: 60312   | Methods of measurement of performance of vacuum cleaners for household and similar use.<br>States and defines the principal performance characteristics of vacuum cleaners which are of interest to the user and describes the standard methods for measuring these characteristics.  |
| 471. PS: 2185/1989    | IEC: 60350   | Methods for measuring performance of house-hold electric cooking ranges ovens, hobs and grills.<br>Applies to ranges, cooking tables, ovens and similar appliances for household use. This publication defines the principal performance characteristics of these appliances and describes the standards methods for measuring these characteristics. A colour shade chart is provided with the printed standards. For the electric version this colour shade chart (IEC 60350-CHAR) can be ordered separately, to ensure accurate colour reproduction. |
| 472. PS: 2186/1989    | IEC: 60369   | Methods for measuring performance of floor polishers for household and similar purpose.<br>States and defines the principal performance characteristics which of interest to the users of floor polishers, suction polishers and floor scrubbers, and describes the standard methods of measuring these characteristics.  |
| 473. PS: 2187/1989    | IEC: 60436   | Methods for measuring the performance of electric dishwashers.<br>Incorporates Amendments 1 (1984) and Amendment 2 (1992).  |
| 474. PS: 2188/2012(R) | IEC: 60456   | Methods for measuring the performance of electric cloths washing mechanics for household use.<br>Applies to electric clothes washing machines, to water extracting machines and to washing and water extracting machines. Either with or without heating device, for household use. Also applies to combination of these machines with heated driers. States and defines the principal performance characteristics of household electric washing machines of interest of the users, and   |

describes the standard methods of measuring these characteristics.

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| 475. | PS: 2189/1989 | IEC: 60496 | Methods for measuring the performance of electrical warming plates for household and similar purposes. States and define the principal performance characteristics of electric warming plates which are of interest to the users, and describes the standard methods for measuring the characteristics contacts objective dimensions of the warming surface for the measuring methods concerning heat up time, temperature of the warming surface, ability to keep warm, and temperature of the supporting surface.  |
| 476. | PS: 2190/1989 | IEC: 60508 | Methods for measuring the performance of electric ironing machines for household and similar purposes. States and define the principal performance characteristics of household electric irons of interest to the users and describes the standard methods for measuring these characteristics.  |
| 477. | PS: 2191/1989 | IEC: 60619 | Methods for measuring the performance of electrically operated food preparation machines<br>Applies to electrically operated food preparation appliance for household use. States and defines test methods for measuring the functions that can be done by means of household electrical food preparation appliances which are of interest to the user and gives some guidelines for the evaluation of test results.   |
| 478. | PS: 2192/1989 | IEC: 60661 | Methods for measuring the performance of electric household coffee makers.<br>Applies to electric coffee makers for household use, no commercial or industrial use. It defines the main performance characteristics which are of interest to the users and describes the standard methods for measuring these characteristics.   |
| 479. | PS: 2193/1989 | IEC: 60704 | Test code for the determination of airborne acoustical noise emitted by household and similar electrical appliances Part-3- procedure for determining and verifying declared noise emission value. Describes procedures for determining and verifying the declared values of the noise emitted by household and similar electrical appliances covered by IEC 60704-2 dealing with particular requirements for special categories of appliances being produced in quantity (series, batches lots) manufactured to the same technical specification and characterized by the same labeled value of noise emission. |

480. PS: 2194/1989 IEC: 60705 Methods for measuring the performance of microwave cooking appliances for household and similar purpose. Applies to microwave and combination microwave ovens for heating food and beverages. These appliances may also use thermal cooking means as employed in conventional cooking ovens. They may also incorporate a browning function. It applies to combination microwave ovens when used in the microwave generating mode only. For safety of microwave ovens. See IEC 60335-2-25 and IEC 60335-2-90
481. PS: 2195/1989 IEC: 60791 Performance evaluation of insulation systems based on service experience and functional tests. This report gives guidance to equipment technical committee on the procedure to be adopted for evaluating the performance of insulation systems from service experience and from the results of functional tests.
482. PS: 2196/1989 IEC: 60792 The multi-factor functional testing of electrical insulation systems: Part-1: Test Procedure. This report is intended for use by equipment Technical committees as a guide when developing function test procedures for the specific insulation systems. It contains guidelines for the functional testing of insulation systems for use in long-life electrical equipment exposed to more than one factor of influence in service> Has the status of a technical report.
483. PS: 2197-2-3/1989 IEC: 60534-2-3 Industrial-process control valves-part-2: Flow capacity. Section Three- Test procedures. (Withdrawn and superseded by PS-4144-2-3/1999/ IEC-534-2- 3/1997) Applies to industrial-process control valves and provides the flow capacity test procedures for determining some of the variables used in the equations given in IEC 60534-2.
484. PS: 2197-4/1989 IEC: 60534-4 Industrial-process control valves-part-4: Inspection and routine testing (Withdrawn and superseded by PS-4144-4/1998/ IEC-534-4/1982). Does not apply to the types of control valves where radioactive service, fire safety testing, or hazardous service conditions are encountered. Is applicable to valves with pressure ratings not exceeding PN 420 (Class 2500). Requirements for actuators apply only to pneumatic actuators.
485. PS: 2198-1/1989 IEC: 60546-1 Controllers with analogue signals for use in industrial- process control systems-part 1: Methods of evaluating the performance. (withdrawn and superseded by PS: 4145-1/1998/ iec-546-1/1987)

applies to pneumatic and electric industrial process controllers using analogue continuous input and output signals. Specifies uniform methods of test for evaluating the performance of such controllers.

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| 486. | PS: 2199/1989   | IEC: 60770   | <p>Methods of evaluating the performance of transmitters for use in industrial-process control systems.<br/>(withdrawn and superseded by PS 2902/1990 / IEC770/1984).<br/>Applicable to transmitters which have either a standard analogue electric current output signal or a standard pneumatic output signals in accordance with IEC 60381-1 or IEC 60382. The tests detailed herein may be applied to transmitters which have other output signals, provided that due allowance is made for such difference specifies uniform methods of test for the evaluation of the performance of transmitters with pneumatic or electric output signals. Methods of evaluation are intended for use by manufacturers to determine the performance of their products and by users or independent testing establishments to verify manufacturers performance specification.</p> |
| 487. | PS: 2200/1989   | IEC: 60873   | <p>Methods of evaluating the performance of electrical and pneumatic analogue chart recorders for industrial-process control systems.<br/>(withdrawn and supersede by PS: 4134/1998/IEC-873/1986).</p>  |
| 488. | PS: 2201-2/1989 | IEC: 60404-2 | <p>Magnetic materials. Part 2: Methods of measurement of magnetic, electrical and physical properties of magnetic sheet and strip.<br/>Applies to grain oriented and non-oriented electrical sheet and string for a.c. measurements of magnetic properties at frequencies up to 400 HZ and for d.c. magnetic measurements. Defines the general principles and the technical details of the measurement of the magnetic properties of electrical steel sheet strip by means or an Epstein frame. The a.c. magnetic characteristics are determined for sinusoidal induced voltages, for specified peak values of magnetic polarization and for a specified frequency.</p>   |
| 489. | PS: 2201-3/1989 | IEC: 60404-3 | <p>Magnetic materials. Part 3: Methods of measurement of specific total losses of magnetic sheet tester.<br/>Defines the general principles and the technical details of the measurement of the magnetic properties of magnetic sheets, and power frequencies, by means of a single sheet tester. This tester is applicable to flat plate</p>   |

specimen obtained from magnetic sheets and strips of any quality. The magnetic characteristics are values of magnetic polarization and for a specified frequency.

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| 490. PS: 2201-4/1989 | IEC-60404-4       | <p>Magnetic materials Part-4: Methods of measurement of the d.c. magnetic properties of solid sheets.<br/>Describes the terminology and two measuring methods, namely: the ring methods and the per-meter method. Both methods use a test specimen in a closed magnetic circuit. Description of the test equipment and the electric circuits is given.</p>   |
| 491. PS: 2201-5/1989 | IEC: 60404-5      | <p>Magnetic materials Part-5: Methods of measurement of the magnetic properties of magnetically hard (permanent magnet) materials.<br/>Applies to magnetically hard materials only. The described method makes use of a closed loop simulating a ring. Two alternative methods are given for intrinsic coactivity up to and including 600 Ka/m and one for materials with higher intrinsic coercivity (e.g. rare earth cobalt alloys).</p> |
| 492. PS: 2201-6/1989 | IEC: 60404-6      | <p>Magnetic materials Part-6: Methods of measurement of magnetic properties of isotropic nickel-soft magnetic alloys, types E1, E3 and E4<br/>Specifies the methods of measuring magnetic, properties of isotropic nickel-iron soft magnetic alloys, types E1, E3 and E4, as defined in IEC 60404-1.</p>   |
| 493. PS: 2201-7/1989 | IEC: 60404-7      | <p>Magnetic materials Part-7: Methods of measurement of the coercivity of magnetic materials in an open magnetic circuit.<br/>Applies to magnetic materials having a coactivity up to 500 kA/m specifies the method of measurement of the coercivity of magnetic materials in an open circuit.</p>   |
| 494. PS: 2201-9/1989 | IEC: 60404-9      | <p>Magnetic materials Part-9: Methods of determination of the geometrical characteristics of magnetic steel and strip.<br/>This standard defines the test methods used for the determination of the following geometrical characteristics of magnetic steel and strip: flatness, residual curvature, edge camber, deviation from the shearing line, burr height of cut edges.</p>  |
| 495. PS: 2878-7/1990 | IEC: 60034-7/2001 | <p>Rotating electrical machines, Part-7: Symbols for types of construction and mounting arrangements of rotating electrical machinery<br/>Defined symbols for 187 types of construction and mounting arrangements of rotating electrical machinery. Code I concerns only machines with end</p>   |

shield bearing and only shaft extension code II relates to all rotating electrical machinery for general use as well as for special application.

496. PS:2879-8/1990 IEC:34-8/72 Rotating electrical machines, Part-8: Terminal markings and direction of rotation of rotating machines.  
Determines terminal markings, direction of rotating and relation between terminal markings and direction of rotation for a.c. machines without commutator and d.c. commutator machines.
497. PS:2880-1990 IEC:60606/78 Application guide for power transformers. Applies to power transformers. Object is to assist purchasers in the determination and selection of transformer characteristics at on specification of tapping quantities, selection of winding connections for transformers for three-phase systems, parallel operation of transformers in three-phase systems (appendix voltage of each winding), loading capability of the neutral point of winding in star zigzag connection, and calculation of voltage drop (or rise) for a specified load condition.
498. PS:2881-1990 IEC:50(111-03)/96 Electro-technical vocabulary Chapter 111 – Physics and chemistry, Section-111-03 –Concepts related to quantities and units (withdrawn and superseded by PS: 2111(111))
499. PS:2882-1990 IEC:50(151)/2000 Chapter-151: Electrical and magnetic devices (withdrawn and superseded by PS: 2111(151))
500. PS:3016-1991 IEC:335-2-4/2000 Safety of household and similar electrical appliances, Part-2: Particular requirements for electric kitchen machine (Juicer/Blender)  
The standard applies to be used with multipurpose kitchen machines.
501. PS:3017-1991 IEC:292-1/96 Low-voltage motor starters, Part-1: Direct-on-line (full voltage) a.c. starters.  
This standard applies to direct-on-line starters for industrial use, intended to start and accelerate a motor to normal speed and to provide means for the protection of the motor and its associated circuits against operating overloads, and to cause intentionally the motor to stop. It applies only for a.c.
502. PS:3018-1991 IEC:3018/91 Characteristics of line post insulators  
Applies to line post insulators with insulating parts of ceramic material intended for a.c. over-head lines with a nominal voltage higher than 1000 V and a frequency not higher than 100 Hz.
503. PS:3019-1991 Urdu translation of technical terms and their definitions.  
The terminology in the standard has been adopted from various IEC standards on vocabulary.

504.	PS:3171-1992	IEC:611/78	<p>Guide for the preparation of test procedures for evaluating the thermal endurance of electrical insulation systems.</p> <p>Guides the development of system test procedures and to suggest points in the preparation of specific instructions for the thermal evaluation on electrical systems where the thermal factor or influence is a dominating ageing factor.</p>
505.	PS:3172-1992	ISO:2080/81	<p>Electroplating and related process – Vocabulary</p> <p>Establishes the vocabulary for electroplating and related processes. It includes terms widely used in the science and industry of electrode position and metal finishing.</p>
506.	PS:3367-1993	IEC:34-19/95	<p>Letter symbols to be used in electrical technology, Part-4: Symbol for quantities to be used for rotating electrical Machines.</p> <p>Contains latter symbols for quantities related to rotating electrical machines. Concerns dimensional characteristics as well as performance under different operating conditions.</p>
507.	PS:3368-1993	IEC:34-16-1/91	<p>Rotating electrical machines, Part-16: Excitation system for synchronous machines, Chapter-1: Definitions.</p> <p>This standard defines terms applicable to the excitation systems of synchronous rotating electrical machine.</p>
508.	PS:3369-1993	IEC:50(486)	<p>Electrotechnical vocabulary, Chapter-486: Secondary cells and batteries (with drawn &amp; superceded by PS: IEC-60050-486/2002).</p>
509.	PS:3370-1993	IEC:50(436)	<p>Electrotechnical vocabulary, Chapter-436: Power Capacitors (Superceded by PS: IEC 60050-436/2002)</p>
510.	PS:3371-1993	ISO4522-1	<p>Metallic Coatings – Test methods for electrodeposited silver and silver alloy coatings, Part-1: Determination of coating thickness.</p> <p>This standard specifies methods for the determination of the thickness of electrodeposited silver and silver alloy coatings for engineering and decorative protective purposes.</p>
511.	PS:3372-1993	ISO:4522-2	<p>Metallic Coatings – Test methods for electro-deposited silver and silver alloy coatings, Part-2: Adhesion tests.</p>
512.	PS:3524-1994	IEC:276/68	<p>Definitions and nomenclature for carbon brushes, brush-holders commutators and slip-rings.</p> <p>Establishes a vocabulary of definitions and terms for classes of brush grades, brushes, tops, flexible (Shunts) and connections, terminals, commutators and slip-rings, commutator marking and other miscellaneous details.</p>

513. PS: 3525/2010(R) IEC: 60034-12/1980 Revised for Rotating electrical machines, Part-12: Starting Performance of Single-Speed Three-Phase Cage Induction Motors” for voltages up to and including 660 V.  
Species for standard designs for starting performance for three phase motors, from 0.4 kW up to 630 kW for direct on-line or star-delta starting and rated on the basis of duty-try type S-1 (maximum continuous rating). (1<sup>st</sup> Revision )
514. PS:3526-1994 IEC:264-3-4/91 Packaging of winding wires, Part-2: Cylindrical barreled delivery spools, Section-3: Specification for non-returnable spools made from thermoplastic material.
515. PS:3527-1994 IEC:264-2-3/90 conduits for electrical installations. Specifications -Part-2: Particular specifications for conduits, Section One – Metal Conduits.  
Specifies requirements for threadable and non-threadable plain rigid metal conduits.
516. PS:3528-1994 IEC:614-2-2/90 Specification for conduits for electrical installations, Part-2: Particular specification for conduits, Section Two-Rigid plain conduits of insulating materials
517. PS:3529-1994 IEC:265-198 High voltage switches, Part-1: High-voltage switches for rated voltages above 1 kV and less than 52 kV.  
Applicable to three-phase, alternating current switches and switch-disconnectors having marking and breaking current ratings for indoor and outdoor installations, for rated voltages above 1kV, and less than 52 kV and for rated frequencies up to 60Hz.  
This standard is also applicable to the operating devices of these switches and to their auxiliary equipment.
518. PS:3530-1994 IEC:269-2/86 Low-voltage fuses, Part-2: Supplementary requirements for fuses by authorized persons (fuses mainly for industrial application).  
The following characteristics of fuses are specified in addition to IEC publication 269-1.  
- minimum rated breaking capacities,  
- time-current characteristics;  
- 12 t characteristics of constructions;  
- standard conditions of constructions;  
- power dissipation and acceptance.
519. PS:3531-1994 IEC:50(421)/90 Electro-technical vocabulary, Chapter-421: Power transformers and reactors  
(Withdrawn & superseded by PS: IEC 60050-421/2002)
520. PS: 3628-1995 IEC:34-9/87 Rotating electrical machine, Part-9: Noise limits.  
Specifies maximum permissible A-weighted sound power levels for rotating electrical machines complying with IEC



60034-1, with methods of cooling according to IEC 60034-6 and degrees of protection according IEC 60034-5

- |      |                  |                |  |
|------|------------------|----------------|--|
| 521. | PS: 3629-1995    | IEC:34-14/96   | <p>Rotating electrical machines, Part-14: Mechanical vibration of certain machines with shaft heights 56 mm and higher – Measurement, evaluation and limits of the vibration severity.</p> <p>Applies to d.c. and three-phase a.c. machines, with shaft heights 56 mm and higher and a rated power up to 50 MW, at nominal speeds from 600 rev/ min up to and including 3600 rev/ min.</p> |
| 522. | PS: 3630-1995    | IEC:616/78     | <p>Terminal and tapping markings for power transformers. Gives guidance in accordance with the rules given in IEC 60445. Has the status of a technical report.</p>   |
| 523. | PS:3631-1995     | IEC:642/99     | <p>Identification of equipment terminals and of terminations of certain designated conductors including general rules for an alphanumeric system.</p> <p>Applies to the identification and marking of terminals of electrical equipment such as resistors, fuses, relays, contactors, transformers, rotating machines and wherever applicable, to combinations of such equipment.</p>      |
| 524. | PS: 3632-2013(R) | BS:7671/92     | <p>Pakistan wiring regulations for electrical installations.</p>   |
| 525. | PS:3633-1995     | IEC:721-3-1/97 | <p>Classification of environmental conditions, Part-3: Classification of groups of environmental parameters and their severities storage.</p> <p>Classifies groups of environment parameters and their severities to which product together with their packaging. If any are subjected when stored</p>   |
| 526. | PS:3634-1995     | IEC:265-2/88   | <p>High-voltage switches, Part-2: High-voltage switches for rated voltages of 52 kV and above.</p> <p>Applicable to three-phase, alternating current switches having marking and breaking current ratings, for indoor and outdoor installations, for rated voltages 52 kV and above and for rated frequencies up to and including 60Hz.</p>  |
| 527. | PS:3635-1995     | ISO:2064       | <p>Metallic and other non-organic coatings – Definitions and conventions concerning the measurements of thickness</p>  |
| 528. | PS: 3766-1996    | IEC:34-15/85   | <p>Rotating electrical machines, Part-15: Impulse voltage with-stand levels or rotating a.c. machines with form-wound stator coils.</p> <p>Applies to rotating a.c. machines for rated voltages from 3 kV to 15 kV inclusive and incorporating from-wound stator coils. Specifies the rated phase-to-earth impulse voltage with stand levels and the test procedure and voltages to</p>    |

applied to the main and inter-turn insulation of sample coils.

529. PS: 3767-1996 IEC:34-19/85 Rotating electrical machines, Part-19: Specific test methods for d.c. machines on conventional and rectifier-fed supplies. Describes methods for determining characteristic quantities for d.c. conventional and rectifier-fed machines of 1 kW and above.
530. PS:3768-1996 IEC:1208/92 High-voltage alternating current – Circuit breakers – Guide for maintenance  
Defines the terminology to be utilized for describing the maintenance functions adopted for high-voltage circuit-breakers, provides a basis for assessing the standards of maintenance, and identifies data to be included in circuit-breaker instructions manuals.
531. PS: 3769/1996 IEC Guide to the checking of sulphur hexafluoride (SF<sub>6</sub>) taken from electrical equipment. Gives guidance to operational and maintenance personnel as to the tests required to check the condition of sulphur hexafluoride gas in electrical equipment and to enable a unified method of analysis to be used wherever possible
532. PS: 3770/2010(R) ISO:2081 Revised for Metallic and other Inorganic Coatings – Electroplated Coatings of Zinc with Supplementary Treatments on Iron or Steel (1<sup>st</sup> Revision)
533. PS:3771/2010(R) ISO:1461 Revised for Hot Dip Galvanized Coatings on Fabricated Iron and Steel Articles – Specifications and Test Methods (1<sup>st</sup> Revision)
534. PS:3772-1996ISO:4520 Chromate conversion coatings on electrodeposited zinc and cadmium coatings
535. PS:3773-1996 IEC:831-1/88 Shunt power capacitors of the self-healing type for a.c. systems having a rated voltage up to and including 1000 V, Part-1: General – Performance, testing and rating – Safety Requirements.
536. PS:3774/96 IEC:831-2 Part-2: Ageing test , self-healing test and destruction test.
537. PS:3775-1996 BS:697/86 Rubber gloves for electrical purpose
538. PS:3903-1997 IEC:18-22/96 Rotating electrical machines, Part-18: Functional evaluation of insulation systems – Section-22: Test procedures for wire-wound windings – Classification of changes and insulation component substitutions
539. PS:3904-1997 IEC:50(448)/95 Electrotechnical vocabulary, Chapter-448: Power system protection

540. PS:3905-1997 ISO:2177 Metallic Coatings – Measurement of thickness – Profilometric method
541. PS:3906-1997 IEC:60684-1 Specification for flexible insulating sleeving, Part-1: Definitions and general requirements.  
Applies to flexible insulating sleeving including heat-shrinkable sleeving intended primarily for insulating electrical conductor and connections of electrical apparatus.
542. PS: 3907/1997 IEC: 60034-18-2/92 Rotating electrical machines, Part-18, functional evaluation of insulation systems – section-21: Test procedure for wire-wound windings – evaluation and classification. Provides procedures for the thermal evaluation and classification of insulation systems of wire-wound winding machines. Should be used in conjunction with section 1.
543. PS: 3908/1997 IEC: 60034-31/92 Rotating electrical machines, Part-18, Functional evaluation of insulation systems – section-31: Test procedure for wire-wound windings – thermal evaluation and classification of insulation systems used in machines up to and including 50 MVA and 15 kV.  
Provides procedures for the thermal evaluation and classification of insulation systems used in conjunction with section 1.
544. PS: 3909-1997 Polyester spun yarn. (withdrawn & superseded by PS: 4098-1998)
545. PS: 3992/1997 Rotating electrical machines, Part-18, functional evaluation of insulation systems – section-32: Test procedure for form-wound windings –Electrical evaluation insulation systems used in machines up to and including 50 MVA and 15 kV.  
This publication has the status of a technical report –type 2.
546. PS: 3993/1997 Rotating electrical machines, Part-18, functional evaluation of insulation systems – section-33: Test procedure for form-wound windings –Multifactor functional evaluation – Endurance under combined thermal and electrical stresses of insulation system used in machines up to and including 50 MVA and 15 kV.  
This publication has the status of a technical report –type 2.
547. PS: 4094-1998 Flexible insulating sleeving, Part 2: Methods of test
548. PS:4081-1998 IEC:896/95 Stationary lead-acid batteries – General requirements and method of test, Part-2: Valve regulated types.

Applies to valve regulated stationary lead-acid cells and batteries for service in a fixed location (i.e. not habitually to be moved from place to place) and permanently connected to a load and to a d.c. power supply.

549. PS:4082-1998 JIS-D-5302/91 Lead-acid batteries for motorcycles.
550. PS:4083-1998 BS:7430/81 Code of practice for earthing
551. PS:4084-1998 IEC:60947-1 Low-voltage switchgear and control-gear, Part-1: General rules.
552. PS:4085-1998 IEC:60050(212) Electro-technical vocabulary, Chapter-212: Insulating solids, liquids and gases (withdrawn and superseded by PS:IEC: 60050-212/02)
553. PS:4086-1998 ISO:3497 Metallic Coatings – Measurement of coating thickness – X-ray spectrometric methods.
554. PS: 4087-1/1998 IEC: 60871-2/1999 Shunt capacitors for a.c. power systems having rated voltage above 1000 V, part-1: General-Performance testing and rating – safety Requirements – Guide for insulation and operation.
555. PS: 4087-2/1989 IEC: 60871-2/1999 Shunt capacitors for a.c. power systems having rated voltage above 1000V, Part-2: Endurance testing,
556. PS: 4088-3(100-105)/98 IEC: 60684-3 Specification for flexible insulating sleeving, Part-3: specification requirements for individual types (sheet 100-105)/2001 of sleeving, sheets 100 to 105, extruded PVC sleeving.  
Gives the requirements for three types of non-heat shrinkable sleeving, extruded from PVC. Sleeving of this type is normally available with an internal diameter up to 5 mm and in a range of wall thickness between 0.2mm and 1.8 mm. each sheet covers up to three levels of wall thickness, “thin wall” :standard wall: and “thick wall” related to nominal internal diameter and with corresponding differences in requirements for break down voltage. Sheets 100 and 103 cover sleeving having a temperature range of – 10 °C to 90 °C. sheets 101 and 104 cover sleeving having a temperature range of 10 °C to 105 °C sheet 102 and 105 cover sleeving having a temperature range of 40 c to 70 °C.
557. PS: 4088-3(116-118)/98 IEC: 60684-3 Specification for flexible insulating sleeving, Part-3: specification requirements for individual types (sheet 116-118)/1991 types of sleeving, sheets 116 to 118, Extruded poly chloroprene, general purpose.  
This standard gives the requirements for non-heat shrinkable sleeving, extruded from compounds based on poly chloroprene elastomer. Sleeving of this type is normally available in bore size up to 25 mm.

558. PS: 4089/1998 JIS-C-2202 Glass mats for lead-acid storage battery.
559. PS: 4090-1998 JIS-C-2313 Separation for lead-acid batteries.
560. PS: 4091/1998 JIS-C-23-35 Containers for lead-acid batteries.

1211/1993 Insulators of ceramic material or glass for overhead lines with a nominal voltage greater than 1000V – Puncture testing. Deals with puncture testing of ceramic and glass insulator unit of class B only. This document is intended for use by insulator buyers and manufactures, test and research laboratories, and can be used as a direct replacement for the puncture test in specified in IEC: 60383-1.

562. PS: 4093/1993 Electrodeposited metallic coatings and related finishes-sampling procedures for inspection by attributes. This Pakistan standard establishes sampling plans and procedures for inspection by applied to related finishes by attributes of electrodeposited metallic coatings. It may be applied to related finishes by agreement between the supplier and the purchaser.

563. PS: 4095-1/1998 IEC: 60071-1/93 Insulation co-ordination. Part 1: definitions principles and rules.  
Applies to three phase alternating current systems having a highest voltage for equipment above 1 kV. Specifies the procedures for the selection of the standard withstand voltages for the phase to earth, phase to phase and longitudinal insulation of the equipment and the installations of these systems.

564. PS: 4095-2/1998 IEC: 60071-2/1996 Insulation co-ordination part -2: Application guide.  
Gives guidance for the determination of the rated withstand voltages for ranges I and II of PS: 4095-1/1998 and justifies the association of thee rated values with the standardized highest voltages for equipment.it covers phase to phase, phase to earth and longitudinal insulation of three phase system with nominal voltages above 1 kV.

565. PS: 4096/1998 IEC: 60707/1981 Methods to test for the determination of the flammability of solid electrical insulating materials when exposed to an igniting source.

Provides test methods designed for quality control and evaluation of material when exposed to an igniting source. These methods make it possible to check the constancy of characteristic, to evaluate the progress in the development of materials and to compare and classify these materials.

566. PS:4097-1998(R) IEC:60099-1 Surge arresters, Part-1: Non-linear resistor type gapped surge arrestors for a.c. systems (1<sup>st</sup> Revision) (Replaced PS:1045) Applies in particular, to sugar arresters consisting of single or multiple spark gaps in series with one or more non-linear resistors

567. PS: 4097-4/2000 IEC: 60099-4/1991 Sugar arresters – Part-4: Metal-oxide sugar arresters without gaps for a.c. systems.  
Applies to non-metal-oxide resistor type surge arresters without spark gaps designed to limit voltage surges on a.c. power circuits.
568. PS: 4097-5/1998 Surge arresters, Part-5: Selection and application recommendations.  
Provides recommendations for the selection and application of surge arresters to be used in three-phase systems with nominal voltages above 1 Kv.
569. PS:4402-2013 (R) IEC:60929 A.C. Supplied electronic ballasts for tubular fluorescent lamps –performance requirements.  
Specifies performance requirement for electronic ballasts for use on a.c. supplies up to 10000 V at 50 Hz or 60 Hz with operating frequencies deviating from the supply frequency, associated with tubular fluorescent lamps.
570. PS: 4403/2010(R) ARI-210-81 Revised Unitary Air-conditioning equipment (1<sup>st</sup> Revision)
571. PS: 4404-1999 IEC:34 Dimensions and output series for rotating electrical machines Part-2: Frame numbers 355 to 1000 and flange numbers 1180 to 2360
572. PS: 4405-1-1/1999 IEC:100-1 Electromagnetic compatibility (EMC)- Part-1: General – Section-1: Application and interpretation of fundamental definitions and terms.  
This report describes and interpreters terms of basic importance to concepts and practical applications in the design and evaluation of electromagnetically compatible systems.
573. PS: 4405-2-1/1999 Electromagnetic compatibility (EMC). Part-2: Environment-Section 1: Description of the environment electromagnetic environment for low-frequency conducted disturbances and signaling in public power supply systems.  
  
Has the status of a technical report, and gives information on the various types of disturbances that can be expected on the public power supply systems.
- 574 PS: 4405-2-2/1999 Electromagnetic compatibility (EMC), Part 2: Environment-section 2 Compatibility levels for low-frequency conducted disturbances and signaling in public low voltage power supply systems.

Gives compatibility levels to be considered in public low voltage systems with regard to the above mentioned phenomena.

575. PS: 4405-2-3/1999

Electromagnetic compatibility (EMC). Part-2: Environment-section 3: Description of the environment-radiated and non-network-frequency-related conducted phenomena.

Describes the electromagnetic environment intended as a basis to achieve electromagnetic compatibility in system and equipment design, using test standard and mitigation methods which satisfactorily take account of undesirable effects.

576. PS: 4405-2-4/1999

Electromagnetic compatibility (EMC). Part-2: Environment-section 4: Compatibility levels in industrial plants for low frequency conducted disturbances.

Gives the requirements for the compatibility levels for industrial and non-public networks.

These levels are relevant to disturbances that may occur in the electrical power supply in normal operating conditions.

577. PS: 4405-3-2/2001 IEC: 60100-3

Electromagnetic compatibility (EMC). Part-3: Limits-section 2: Limits for harmonic current emissions (equipment input current – 16 A per phase).

Specifies limits for harmonic current emissions applicable to electrical and electronic equipment having an input current up to and including 16 A per phase, and intended to be connected to public low-voltage distribution systems.

578. PS:4405-3-3/1999 IEC:100-3

Electromagnetic compatibility (EMC) – Part-3: Limits – Section-3: Limitation of voltage fluctuations and flicker the low-voltage supply systems for equipment with rated current > 16A. This diction is concerned with the limitation of voltage fluctuations and flicker impressed on the public low-voltage system.

579. PS: 4405-3-4/1999

Electromagnetic compatibility (EMC) – Part-3: Limits – Section-4: Limitation of emission of harmonic current in low voltage power supply systems for equipment with rated current greater than 16 A. The recommendations of this technical report are applicable to electrical and electronic equipment with a rated input current exceeding 16 A per phase and intended to be public low voltage a.c. distribution systems.

580. PS: 4405-3-5/1999  
 Electromagnetic compatibility (EMC) – Part-3: Limits – Section-5: Limitation of voltage fluctuations and flicker in low-voltage power supply systems for equipment with rated current greater than 16A.  
 The recommendations in this technical report are applicable to electrical and electronic equipment intended to be connected to be public low voltage a.c. distribution systems, where the equipment has a rated input current exceeding 16 A per phase, or has a lower rated current, but requires the special consent of the supply authority.
581. PS: 4405-3-6/1999  
 Electromagnetic compatibility (EMC) – Part-3: Limits – Section-6: Assessment of emission limits for distorting loads in MV and HV power systems.  
 The technical report outline principles which are intended to be used as the basis for determining the requirements for connecting large distorting loads (producing harmonics and/or inter harmonics) to public power systems.
582. PS: 4405-3-7/1999  
 Electromagnetic compatibility (EMC) – Part-3: Limits – Section-7: Assessment of emission limits for fluctuating loads in MV and HV power systems.  
 The technical report outline principles which are intended to be used as the basis for determining the requirements for connecting large fluctuating loads (producing flicker) public power systems.
583. PS: 4405-3-8/1999  
 Electromagnetic compatibility (EMC) – Part-3: Limits – Section-8: Signaling on low voltage electrical installation. Emission levels, frequency bands and electromagnetic disturbance levels.  
 Applies to electrical equipment using signals in the frequency range from 3 KHz up to 525 KHz to transmit information on low voltage electrical installations, either on the public supply systems or within customer's premises.
584. PS: 4405-4-1/2001      IEC: 60456  
 Electromagnetic compatibility (EMC) – Part 4: Testing and measurement techniques – Section 1: Overview of immunity tests.  
 Considers immunity tests for electrical and / or electronic equipment (apparatus and systems) in its electromagnetic environment.
585. PS:4405-4-2/2001      IEC:61000-4-2  
 Electromagnetic compatibility (EMC) – Part 4: Testing and measurement techniques – Section-2: Electrostatic discharge immunity test.  
 It relates to the immunity requirements and test methods for electrical and electronic equipment subjected to static electricity discharges, from



operators directly, and to adjacent objects. It additionally defines ranges of test levels which relate to different environmental and installation conditions and establishes test procedures. The object of this standard is to establish a common and reproducible basis for evaluating the performance of electrical and electronic equipment when subjected to electrostatic discharges. In addition, it includes electrostatic discharges which may occur from personnel to objects near vital equipment.

586. PS:4405-4-3/2001      IEC:61000-4-3/2001      Electromagnetic compatibility (EMC) – Part 4: Testing and measurement techniques – Section 3: Radiated, radio-frequency electromagnetic field immunity test. Applies to the immunity of electrical and electronic equipment to radiated electromagnetic energy. Establishes test levels and the required test procedures. Establishes a common reference for evaluating the performance of electrical and electronic equipment when subjected to radio-frequency electromagnetic fields.
587. PS:4405-4-4/2001      IEC:61000-4-4      Electromagnetic compatibility (EMC) – Part 4: Testing and measurement techniques – Section 4: Electrical fast transient/ burst immunity test. Relates to the immunity requirements and test methods for electrical and electronic equipment to repetitive electrical fast transients. Additionally defines ranges of test levels and establishes test procedure. The object of this standard is to establish a common and reproducible basis for evaluating the performance of electrical and electronic equipment when subjected to repetitive fast transients (bursts), on supply, signal and control ports. The test is intended to demonstrate the immunity of electrical and electronic equipment when subjected to types of transients disturbances such as those originating from switching transients (interruption of inductive loads relay contact bounce, etc.). The standard defines:  
test voltage waveform; range of test levels;  
test equipment ; test set-up; test procedure.
588. PS: 4405-4-5/2001      IEC:1000-4-5      Electromagnetic compatibility (EMC) – Part-4-5: Testing and measurement techniques – Surge immunity test. Relates to the immunity requirements, test methods, and range of recommended test levels for equipment to unidirectional surges caused by over voltages from switching and lightning transients. Several test levels are

defined which relate to different environment and installation conditions. These requirements are developed for and are applicable to electrical and electronic equipment.

589. PS:4405-4-6/2001 IEC:1000-4-6 Electromagnetic compatibility (EMC)- Part 4: Testing and measurement techniques – Section-6: Immunity to conducted distribution induced by radio-frequency fields. Release to the conducted immunity requirements of electrical and electronic equipment to electromagnetic disturbances coming from intended radio-frequency (RF) transmitters in the frequency range 9 KHz up to 80 MHz.
590. PS: 4405-5-1/2000 IEC: 61000-5/96 Electromagnetic compatibility (EMC)- Part 4: Installation & mitigation guidelines – Section-1: general considerations. This technical report covers general considerations and guidelines on mitigation methods aimed at ensuring electromagnetic compatibility (EMC) among electrical and electronic apparatus of system used in industrial, and residential installations.
591. PS: 4405-5-2/2000IEC: 61000-5-2/1997 Electromagnetic compatibility (EMC)- Part 5: Installation & mitigation guidelines – Section-2: earthing and cabling. This technical report (type 3) covers guidelines for earthing and cabling of electrical and electronic systems and installations aimed at ensuring electromagnetic compatibility (EMC) among electrical and electronic apparatus or systems. More particularly, it is concerned with earthing practices and with cables used in industrial, commercial and residential installation.
592. PS: 4406-1/1999 IEC:439-1 Low-voltage switchgear and control-gearassemblies, Part-1: Type-tested and partially type-tested assemblies applies to two –voltage switchgear assemblies (type-tested) assemblies (TTA) and partially type-tested assemblies (PTTA), the rated voltage of which does not exceed 1000 V a.c. at frequencies not exceeding 1000 Hz or 1500 V d.c.
593. PS: 4406-2/1999 IEC:439-1 Low-voltage switchgear and controlgear assemblies, Part-2: Particular requirements for busbar trunking systems (busways). Applies to busbar trunking systems intended to supply luminaries through tap-off units but does not apply to supply track systems.

594. PS: 4640-2012(R) IEC: A.C. supplied electronic ballasts for tubular fluorescent lamps- general and safety requirements for electronic ballasts for use on a.c. supplies up to 1000 V at 50 Hz or 60 Hz.
595. PS: 4641-1-/2001 Protection of structures against lightning – part -1: general principles: section 1: Guide A – Selection of protection levels for lighting protection systems. Contains information on the classification of structure according to the consequential effects of a lightning stroke. Gives procedures for the selection of a lighting protection system is to be used with part-1.
596. PS: 4641-1-2/2000 Protection of structures against lightning – Part-1-2: general principles: guide B-Design, installation, maintenance and inspection of lighting protection systems. Applicable to the design and installation of lighting protection systems (SPS) for common structures up to 60 m height, in accordance with IEC 61024-1. Provide guidelines on how to use IEC 61024- and assists the user with the physical design and construction maintenance and inspection of an LPS.
597. PS: 4642-3/2000 Environmental testing – Part 3: Background information section 3: guidance-seismic test methods for equipment. Guidance is included in each of three test method referred in this standard but it is specific to the test method. The guidance in this standard is directed towards choosing the appropriate test method and applying it to seismic testing.
598. PS: 4643/2000 Insulators for overhead lines with a nominal voltage above 1000 V – Ceramic insulators for a.c. systems characteristics of insulator units of the long rod type.Prescribe specified values for the electrical and mechanical characteristics and for the principal dimensions of sting insulator units of the long rod type with insulating parts of ceramic material intended for a.c. overhead lines with a nominal voltage greater than 1000 V and a frequency not greater than 100 Hz.
599. PS: 4644/2001 ISO 1459 Metallic Coatings –Hot dip galvanized coatings on fabricated ferrous products – Requirements (Superseded ISO 1459)
600. PS:4645-2001 ISO:1462 Metallic coatings – Coatings other than those anodic to the basis metal – Accelerated corrosion

tests – Method for the evaluation of the results (Superseded by ISO:1462)

601. PS: 4646/2000                      Metallic Coatings – Surface treatment and metallic coating – General classification of terms.
602. PS: 4647/2000                      Metallic Coatings – Metallic and other inorganic coatings- Thermal spraying – Zinc, Aluminum and their alloys.
603. PS: 4648/2000                      Metallic Coatings – Electroplated Coatings of Cadmium Iron or Steel.
604. PS: 4649/2000                      Metallic Coatings – Electroplated Coatings of tin-specification and test method.
605. PS: 4650/2000                      Metallic Coatings-Measurement of coating thickness coulometric method by anodic dissolution.
606. PS: 4651/2000                      Metallic coatings – Metallic and non-metallic coatings- measurement of thickness – Beta backscatter methods.
607. PS: 4652-3/2000                      Metallic coatings – Test Method for electrodeposited Silver and Silver alloy coatings – Part 3: Determination of the presence of residual salt.
608. PS: 4694-2013(R)    IEC: 60968                      Self-ballasted lamps for general lighting services – Safety requirements(withdraw superseded with latest IEC: 60968).
609. PS:4695-2002    IEC:60969                      Self-Ballasted Lamps for general lighting services – Performance requirements (withdraw superseded with latest IEC: 60969).
610. PS:4696-2001    IEC:61612                      Assessment of Risk of damage due to lightning.
611. PS: 4703-2001    IEC:851-1                      Particular type of Winding wires – General (1<sup>st</sup> Rev.) (Replaced PS-1279).  
Gives methods for calculating the cyclic rating factor for cables where internal thermal capacitance can be neglected.
612. PS:4704-2001    IEC:851-2                      Winding Wire – Test Methods (Replaced PS-1234) specifies the following method of test – Test 4: Dimensions.
613. PS: 4855                      Thermal solar system and components “Factory made”
614. PS: 4856                      Thermal solar system and components “Collectors”

615. PS: 5160/2010	JIS 4111	Solar water Heater for Dwellings based on JIS 4111. (Formulated)
616. PS: 5161/2010	JIS 4113	Solar Storage tank based on JIS 4113. (Formulated)
617. PS: 5162/2010	IEC 60896-21	Stationery Lead Acid better value regulated types. Method of test based on IEC 60896-21
618. PS: 5211-2013		LED module for General lighting and service for safety Specification
619. PS: 5252-2013	IEC 62612	For Self-ballasted LED-lamps for general lighting services - Performance requirements,
620. PS: 5253-2013	IEC 62717	For LED modules for general lighting – Performance requirements,
621. PS: 5254 -2013	IEC 60705	For Household microwave ovens – Methods for measuring performance,
622. PS: 5289/2013	JIS C: 8912	For Solar simulators for crystalline solar
623. PS: 5292 IEC: 62560		For “Self-ballasted LED-lamps for general lighting services by voltage > 50V Safety specifications”
624. PS: 5290/2013 ISO:	9806-3	For Test methods for solar collectors
625. PS: 5291/2013 ISO:	9845-1	For Solar Energy
626. PS: 5293/2013	ISO: 23038	For Space Solar cells
627. PS: 5294/2013		Minimum Energy Performance Standard (MEPS) for Window Type & Split Air Conditioners with Cooling Capacity under: 14000 W (12000 – 48000 BTU/hr)“ cells and modules
628. PS: 5320/2014 IEC 60901/2014		Single-capped fluorescent lamps - Performance specifications
629. PS: 5321/2014 IEC: 62384/2014		DC or AC supplied electronic control gear for LED modules - Performance requirements
630. PS: 5322/2014 IEC: 62722-2-1/2014		Luminaire performance - Part 2-1: Particular requirements for LED luminaires
631. PS: 5323/2014 IEC 62442-2/2014		Energy performance of lamp controlgear - Part 2: Controlgear for high intensity

- discharge lamps (excluding fluorescent lamps) - Method of measurement to determine the efficiency of the control gear.
632. PS: 5324/2014 IEC 62442-1/2014 Energy performance of lamp controlgear - Part 1: Controlgear for fluorescent lamps - Method of measurement to determine the total input power of controlgear circuits and the efficiency of the controlgear.
633. PS: 5325/2014 IS: 13429-1 /2014 Solar Cooker - Box Type, Part 1: Requirements
634. PS: 5326/2014 IS: 13429-2 /2014 Solar Cooker - Box Type, Part 2: Components
635. PS: 5327/2014 ISO 15042 /2014 Multiple split-system air-conditioners and air-to-air heat pumps -- Testing and rating for performance
636. PS: 5328/2014 IEC 62035/2014 Discharge lamps (excluding fluorescent lamps) - Safety specifications.
637. PS:5337/2015 IEC 62080/2015 Sound Signalling Devices For Household and Similar Purposes
638. PS:5338/2015 IEC 60079-1/2015 Explosive atmospheres - Part Equipmen protection by flameproof enclosures "d".
639. 635. PS:5339/2015 IEC 60079-17/2015 Explosive atmospheres - Part 11: Equipr protection by intrinsic safety "i"
640. PS:5340/2015 IEC 60079-11/2015 Explosive atmospheres - Part 17: Electrical installations inspection and maintenance

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