



PRESENTATION

DEVELOPING PROCESSES OF PAKISTAN STANDARDS

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Prepared by:

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Objectives / Functions

- To establish, formulate, adopt/adapt the National Standards through Technical Committees and subsequent approval of National Standard Committee in the vital interest of the country.
- Harmonization of standards with International Standards to meet the requirements of WTO/TBT.

- **Standards Development Centre of PSQCA is being entrusted with the responsibility of laying down National Standards on Electrical Items . So far around 6000 standards have been established besides direct adoption of over 16000 ISO Standards and above 6000 IEC Standards. Some of the Pakistan standards have been brought under mandatory certification .**

FORMULATION OF PAKISTAN STANDARD SPECIFICATIONS (PSS)



Electrotechnical National Standards Committee

- The work of the Division shall be controlled by Electrotechnical National Standards Committee appointed by Board of Directors.
- Electrotechnical National Standards Committee shall be constituted from the representative of the respective interests of users, manufacturers, technologists, government departments.

The functions of the Electrotechnical National Standards Committee are:

- i) Creation of Technical Committees and appointment of the members.
- ii) Securitization of proposals for work.
- iii) Endorsement of Standard Specifications formulated by the Technical Committees.

TECHNICAL COMMITTEES

Technical Committees shall be appointed by the Electrotechnical National Standards Committee for the preparation of particular standards or group of standards referred to them by the Electrotechnical National Standards Committee.

The Chairman of the Technical Committee appointed by the Electrotechnical National Standards Committee.

The functions of the Technical Committee are:

- i) Formulation of the Standard Specifications forwarded by the Electrotechnical National Standards Committee.
- ii) Endorsement of Standard Specifications by the Electrotechnical National Standards Committee.

LIST OF TECHNICAL COMMITTEES

S #.	ENSC	TITLE
1.	ENSC	Electro-technical Divisional Council
2.	ENSC-1	Electric fans
3.	ENSC-2	Electric lamps
4.	ENSC-3	Electrical appliances and accessories
5.	ENSC-4	Electrical measurements
6.	ENSC-5	Rotating electrical machines
7.	ENSC-6	Dry-cell Batteries And Accumulators
8.	ENSC-7	Electric Cables
9.	ENSC-8	Transformers

S #.	ENSC	TITLE
10.	ENSC-9	VOLTAGES, CURRENT RATING & FREQUENCIES
11.	ENSC-10	ELECTRICAL INSTALLATIONS OF BUILDINGS
12.	ENSC-11	ENVIRONMENTAL TESTING
13.	ENSC-12	INSULATORS
14.	ENSC-13	METAL-CLAD SWITCHGEAR, CONTROL GEAR & FUSES
15.	ENSC-14	VOCABULARY & TRANSLATION OF TECHNICAL TERMS IN URDU
16.	ENSC-14	VOCABULARIES (Part-II
17.	ENSC-15	ELECTROPLATING
18.	ENSC-16	SPARKING PLUGS
19.	ENSC-17	ELECTRIC MATERIAL AND POWER CAPACITORS
20.	ENSC-18	ELECTRIC SWITCHES, PLUGS & SOCKET
21.	ENSC-19	ELECTRICAL EQUIPMENT FOR EXPLOSIVE ATMOSPHERE

LIGHTING STANDARDS

1.	PS: 17-2010 IEC: 60064/2009	Tungsten Filament Lamps for domestic and similar general lighting purposes. Performance requirements (5th Revision under process Amend-5/2009 to be incorporated)
2.	PS: IEC: 60081/2010	Tubular fluorescent lamps for general lighting Service (6th Revision under process Amendment-5/2009 to be incorporated)
3.	PS: 2111/1987 IEC: 60050(845) 1987	Lighting
4.	PS:497-1/2004 IEC: 60920/2004	Ballasts for Tubular fluorescent Lamps (4th Revision)
5.	PS:497-2/2010 IEC: 60921/2006	Ballasts for Tubular fluorescent Lamps – Performance requirements (1st Revision under process Amendment-1/2006 to be incorporated)

6.	PS:601-2010 IEC:60155/2006	Starter for Tubular fluorescent Lamps (3rd Revision under process Amendment-2/2006 to be incorporated)
7.	PS:825-1/2010 IEC:60061-1/2008	Lamp caps and holders together with gauges for The control of interchangeability and safety. Part 1: Lamp caps. (2nd Revision under process Amendment-1/2008 to be incorporated)
8.	PS:825-2/2010 IEC: 60061-2/2008	Lamp caps and holders together with gauges for the control of interchangeability and safety. Part 2: Lamp Holders (1st Revision under process Amendment -1/2008 to be incorporated)
9.	PS::825-3/2010 IEC: 60061-3/2008	Lamp caps and holders together with gauges for the control of interchangeability and safety. Part 3: Gages (2nd Revision under process Amendment-1/2008 to be incorporated)
10.	PS:828/ BS:683	Alkaline train lighting accumulators.
11.	PS:951-2010 IEC:60238/2008	Edison screw lamp-holders (3rd Revision under process Amendment-1/2008 to be incorporated)

12.	PS:1453-2010 IEC:60400/2008	Lamp-holders for tubular fluorescent lamps and starter-holders (1st Revision under process)
13.	PS:1497-2000 IEC: 60360/1998	Standard method of measurement of lamp cap temperature rise.
14.	PS:1601-1/2010 IEC:60598-1/2008	Luminaires – General requirements and tests (2nd Revision under process)
15.	PS:1601-2-1/1989 IEC:60598-2-1/1987	Luminaires – Fixed general purpose
16.	PS:1601-2-2/1999 IEC:598-2-2/97	Luminaires – Recessed
17.	PS:1601-2-3/2004 IEC:60598-2-3/2002	Luminaires for road and street lighting (1st Revision)

18.	PS:1601-2-4/1999 IEC:60598-2-4/97	Luminaires – Portable general purpose
19.	PS:1601-2-5/2000 IEC:60598-2-5/98	Flood Light
20.	PS:1663/2002 IEC: 60188/2001	High-pressure mercury vapour lamps
21.	PS:1664-1989 IEC: 60923/1988	Ballasts for high-pressure mercury vapour lamps
22.	PS:4402/2010 IEC:60929/2006	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.

23.	PS: IEC: 61347-1/2010	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. (under process)
24.	PS: IEC: 60968/2001	Self-ballasted lamps for general lighting services –Safety requirements.
25.	PS:4695-2001 IEC:60969/2000	Self-Ballasted Lamps for general lighting services – Performance requirements.
26.	PS: 2345-12 IEC: 747-12	Semiconductor devices-Part-12: Sectional specification for optoelectronic devices.
27.	PS: 2345-12 IEC: 747-12-1	Semiconductor devices – Part-12: Optoelectronic devices-Section-1: Blank detail specification for light emitting / infrared emitting diodes with / without pigtail for fibre optic systems and sub-systems.

PAKISTAN CO-ORDINATION WITH IEC

Pakistan is a member of IECEE from September 2008. This will help us to interact with international bodies, conformity assessment. However PSQCA is a member of IEC/ISO since many years. PSQCA participates in IEC through balloting and by giving comments on different draft Standards. Moreover PSQCA is a Permanent Member in 66 IEC Technical Committees including **IEC TC 34: Lamps and related equipment.**



THANK YOU