



Electrical Proficiency Testing Programs Perpetual Plan (QRD007)

Program Code	Program Topic	Planned Week	IEC reference standard(s)	Frequency
e26-1	Ball Pressure <100 deg	34	IEC 60695-10-2	Yearly
e26-3	Ball Pressure >150 deg	23	IEC 60695-10-2	Yearly
e26-2	Ball Pressure 100 deg to 150 deg	6	IEC 60695-10-2	Yearly
e23-2	Batteries (External Short Circuit test)	39	IEC 62133-1	Yearly
e23-1	Batteries (Overcharge test)	37	IEC 62133-1	Yearly
e35	Cables Conductor Resistance & Insulation Thickness	30	IEC 63294 , IEC 60811-201	Yearly
e11	Creepage and Clearance	24	IEC 60664-1	Odd Years
e42	Earth Resistance	19	IEC 60065, IEC 60335-1, IEC 62368-1, IEC 61558-1, IEC 60598-1, IEC 60745-1, IEC 60950-1, IEC 62841-1	Even Years
e43-2	Electric Strength Test (<20 mA)	48	IEC 62368-1, IEC 60950-1	Even Years
e43-1	Electric Strength Test (100 mA)	36	IEC 60335-1, IEC 60950-1, , IEC 60670-1, IEC 60998-1, IEC 60669-1, IEC 61058-1, IEC 61558-1, IEC 61180	Even Years
e40-1	EMC - Conducted Emissions	Ongoing	CISPR 16-2-1:2017	Yearly
e40-2	EMC - Radiated Emissions	Planning	CISPR 16-2-3:2017	TBA
e29	Glow Wire and Needle Flame	49	IEC 60695-2-10, IEC 60695-11-5	Yearly

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e38	Heating - Switch Mode Supply	42	IEC 60065, IEC 60335-1, IEC 60950-1, IEC 61347-1, IEC 61558-1, IEC 62368-1	Yearly
e33	Heating - Switches	12	IEC 61058-1	Yearly
e32	Heating - Transformers	26	IEC 61558-1	Yearly
e44-3	IP Test X6, X7	4	IEC 60529	Yearly
e44-1A	IP Test, 1X, 2X, 3X	40	IEC 60529	Yearly
e44-1B	IP Test, X1, X2, X3	32	IEC 60529	Yearly
e44-2	IP Test, X4, X5, 4X, 5X	28	IEC 60529	Yearly
e21	Laser	8	IEC 60825-1	Yearly
e49	Mechanical Stability	44	IEC 61010-1, IEC 60335-1 , IEC 62368-1	Even Years
e22	Photovoltaics	Planning	IEC 61215-2, IEC 60891, IEC 60904-1, IEC TS 60904-13, IEC TS 60904-1-2	TBA
e27-1	Plug Discharge - HOUS/TOOL	17	IEC 60335-1, IEC 60745-1	Yearly
e27-2	Plug Discharge - MEAS	21	IEC 61010-1	Yearly
e27-3	Plug Discharge - ITAV	35	IEC 62368-1	Yearly

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e14	Standby Power	10	IEC 62301	Odd Years
e36-1	Touch Current	45	IEC 60990, IEC 60065, IEC 60335-1, IEC 60950-1, IEC 61010-1, IEC 62368-1, IEC 61558-1, IEC 60598-1, IEC 61347-1	Even Years
e36-2	Touch Current - MED	15	IEC 60690, IEC 60601	Even Years
e31	Tracking	47	IEC 60112	Yearly
e37-1	Working Voltage	43	IEC 60664-1, IEC 60335-1, IEC 60601-1, IEC 60745-1, IEC 60065, IEC62841-1, IEC 62368-1, IEC 60950-1	Odd Years
e37-2	Working Voltage (rms only)	44	IEC 61558-1, IEC 60598-1, IEC 61347-1, IEC 61010-1	Odd Years

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