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Reliability control of external insulation of electrical equipment.

Modern system for reliability control of external insulation of electrical equipment is described.

Experimental data, obtained in NIIPT, on dielectric strength line insulation under pollution under direct, alternating voltage and switching surges pulses typical for the HVAC and HVDC are summarized.

It is shown that the external insulation is determined, first of all, by normal operating conditions, i.e. operating voltage in conjunction with moisture of dirty insulation.

Key words: electrical equipment, external insulation, pollution, operating voltage, overvoltage, choice of insulation.

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