

## عنوان مقاله:

Verification of Insulation Coordination Completed by High-Voltage Testing on Site

## محل انتشار:

هجدهمین کنفرانس بین المللی برق (سال: 1382)

تعداد صفحات اصل مقاله: 12

## نویسندگان:

Hauschild - HIGHVOLT Prüftechnik Dresden GmbH Germany

Kübler - HIGHVOLT Prüftechnik Dresden GmbH Germany

## خلاصه مقاله:

Insulation coordination of substation equipment, cables and power lines is usually verified by type and routine tests in factory. To guarantee the insulation coordination in service it is necessary to demonstrate that insulation of the equipment is without transportation faults and correctly assembled. This is usually done by HV tests on site. The paper informs about the general principles for HV on-site testing as they are prepared by the IEC Working 42.13 for a new part 3 of the IEC Standard 60060. As examples requirements and test equipment for onsite testing of gas-insulated substations (GIS) and HV XLPE cables are described. Finally the relation between on-site testing before commissioning on the one hand and after repair or for diagnostic purposes are considered.

## کلمات کلیدی:

insulation coordination; type testing; routine testing; on-site testing; hv test equipment

## لینک ثابت مقاله در پایگاه سیویلیکا:

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