NOVA INDUSTRIAL SA

Instrument transformers prophylaxis

NOVA INDUSTRIAL S.A. experts evaluate the technical state of the instrument transformers in service based on the analyze of the history data (concerning construction, factory tests, tests for putting into service or for preventive maintenance, incidents in operation), in addition to tests and measurements specific to each type of instrument transformer.

Tests and measurements specific to **CURRENT TRANSFORMERS:**

- analyses of the compatibility between modern electronic protections and the existing transformers, in service in the high voltage installations (of 220 kV and 400 kV);
- prophylactic verifications according to the normative;
- analyses of the seismic behavior of the assembly: transformer- transformer's support;
- chromatographic analyses of the gases dissolved in oil , for the current transformers with impregnated insulation in service;
- analyses of the measurement accuracy of the current transformers connected to meters that have to measure correctly current values between 1% and 120% of the rated current value;
- analyses of the operation of the current transformers connected to electronic secondary equipment in short-circuit transient conditions;
- analyses of the need to protect the equipment connected to the current transformer' secondary windings, against the stresses induced by the overvoltages produced by the normal switch maneuvers executed in the primary circuit.

Tests and measurements specific to I**NDUCTIVE VOLTAGE TRANSFORMERS:**

- prophylactic verifications according to the normative;
- analyses of the seismic behavior of the assembly: transformer - transformer's support.

Tests and measurements specific to **CAPACITOR VOLTAGE TRANSFORMERS:**

- prophylactic verifications according to the normative;
- analyses of the accord frequency of the antiferoresonant circuit and its adjustment, if it is necessary;
- verification of the non-linear resistor;
- analyses of the seismic behavior of the assembly: transformer - transformer's support;
- verification of the transient response.

Current transformers,
Inductive voltage transformers,
Capacitor voltage transformers



Over 25 years of experience

ISO 9001, ISO 14001, ISO 45001

QUALITAS
CERTIFICAT SMC NR. QC/1105
SR EN ISO 9001 : 2015

QUALITAS
CERTIFICAT SMM NR. QM/1034
SR EN ISO 14001 : 2015

QUALITAS
CERTIFICAT SMSSM NR. QSM 38
SR EN ISO 45001 : 2023

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