



VANTRAN TESTING

1. PURPOSE

The purpose of this document is to provide a list of standard and special testing options available. All VanTran transformers are tested to ANSI Standards as defined by ANSI/IEEE C57.12.90.

2. STANDARD TESTS

2.1 The following tests are performed on all VanTran transformers...

- 2.1.1 Turn Ratio & Phase Relation
- 2.1.2 Winding Resistance
- 2.1.3 Insulation Resistance
- 2.1.4 Impedance & Load Losses*
- 2.1.5 No-Load Losses & Excitation Current
- 2.1.6 Dielectric Induced Voltage
- 2.1.7 Dielectric Applied Voltage
- 2.1.8 Dielectric Leak

**specialty transformers & high current units will be done at VanTran's discretion.*

3. SPECIAL TESTS

2.2 The following tests are available upon request and quoted on a per-case basis...

- 3.1.1 Impulse
- 3.1.2 Audible Sound
- 3.1.3 Temperature Rise
- 3.1.4 Sweep Frequency
- 3.1.5 Insulation Power Factor
- 3.1.6 Dielectric Fluid (including Dissolved Gas Analysis)
- 3.1.7 Short Circuit