

IEEE Standards Interpretation for IEEE Std 1613™-2003 IEEE Standard Environmental and Testing Requirements for Communications Networking Devices in Electric Power Substations

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Interpretation Request #1

Topic: IEEE 1613 Clause 9 Test Points

Subclause: 9.1.6

Classification: Ambiguous

In 9.1.6 of IEEE Std 1613-XXXX, what is the definition of normal in-service conditions?

Interpretation Response #1

The intent of IEEE Std 1613-XXXX was to primarily apply to devices installed in a substation control room or control house. In the case of Clause 9, note the language on page 28 "Electrostatic charges are easily generated in an environment with dry atmosphere and synthetic fabrics." If the "normal service conditions" for the TWACS components is installed in the high voltage yard or in an enclosure without synthetic fabrics on the floor (and is so stated in the manufacturer's literature), then the entire Clause 9 does not apply - as the described electrostatic discharges cannot be generated. If some TWACS components may be installed in control rooms, then Clause 9 does apply, with Clause 9.1.6 describing tests applied to the front panel.