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§ 127.1 Applicability

After the effective date of this Part, any electric corporation subject to commission jurisdiction constructing overhead electric transmission facilities shall limit the step-and-touch voltages induced by magnetic fields of such facilities under steady state conditions to 15 volts or less at all points on existing pipelines where a person could normally touch the pipeline or a pipeline appurtenance. This does not apply to buried pipelines or to locations where access is limited by use of fences or barriers to personnel that are trained in safe practices regarding step-and-touch voltages. The short term emergency loading condition of the circuit as defined by the New York Power Pool for the electric facility shall be used in determining the magnitude of such step-and-touch voltages.

§ 127.2 Definitions

The following words and terms when used in this Part shall have the meaning indicated:

(a) Step voltage means the root mean square voltage difference between any two points on the ground surface separated by one meter (approximately the distance of one step) in the direction of the maximum voltage gradient.

(b) Touch voltage means the root mean square voltage difference between any point on the ground where a person may stand and any point on the pipeline or its appurtenances which can be touched simultaneously by either hand.