

Estimating Method of Equivalent Salt Deposit Density on Insulator Surface Using Meteorological and Topographical Information Provided by Public Institutions

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Traditionally, the design and maintenance of electric power facilities of electric railways in coastal areas have been carried out according to a uniform classification of contamination based on the distance from the coast and other factors. To improve safety of these facilities and save labor in maintenance, it is necessary to subdivide the uniform classification according to actual contaminated situations. Therefore, we develop an estimating method of Equivalent Salt Deposit Density on insulator surface at any point of an outdoor section using published data of meteorology and topography.