

IEEE Guide for the Application of Neutral Grounding in Electrical Utility Systems - IEEE C62.92™ Series (Bundle)

The purpose of these guides are to present some basic considerations for the selection of neutral grounding parameters that will provide for the control of ground-fault current and overvoltage on all portions of three-phase electric utility systems. It also provides general considerations in grounding synchronous generator systems and discusses the factors to be considered in the selection of a grounding class and the application of grounding methods and summarize the general considerations in grounding of generating station auxiliary power systems, the factors considered in selecting between the appropriate grounding classes, and specifying equipment ratings. Discussed are the term distribution includes the substation providing power to distribution feeders, the distribution feeders, and the distribution transformers providing service at utilization voltages. It also provides the basic factors and general considerations in selecting the class and means of neutral grounding for a particular ac transmission or subtransmission system, and the suggested method and apparatus to be used to achieve the desired grounding.

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