

Reliability Analysis in Power Distribution System

Authors : R. A. Deshpande, P. Chandhra Sekhar, V. Sankar

Abstract : In this paper, we discussed the basic reliability evaluation techniques needed to evaluate the reliability of distribution systems which are applied in distribution system planning and operation. Basically, the reliability study can also help to predict the reliability performance of the system after quantifying the impact of adding new components to the system. The number and locations of new components needed to improve the reliability indices to certain limits are identified and studied.

Keywords : distribution system, reliability indices, urban feeder, rural feeder

Conference Title : ICPSE 2015 : International Conference on Power Systems Engineering

Conference Location : Singapore, SG

Conference Dates : September 10-11, 2015