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PROBABILISTIC CHARACTERIZATION OF THE OPERATIONAL BEHAVIOR FOR THE 110kV/MV POWER TRANSFORMERS

BY

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Abstract. The purpose of the present paper is identifying and statistical testing of random variables time between failures (TBF) and time to corrective maintenance (TCM) for an 110kV/MV power transformers sample, based upon the historical data regarding their operational behavior in a given period of time. Through statistical analysis of the relevant data we established the distribution functions and probability density functions for the variables TBF and TCM.

Keywords: operational reliability, power transformers, probability distributions