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OPTIMIZED COMPENSATOR' CONFIGURATIONS FOR LOAD CURRENT SYMMETRIZATION

BY

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Abstract. This paper approaches aspects regarding the mitigation effects of asymmetries in 3-phase 3-wire networks. The measure consisting in connecting of load current symmetrization devices at the load coupling point is presented. The time-variation of compensators parameters is determined as a function of the time-recorded electrical values. The study is performed for different operational states of supply network.

Keywords: voltage asymmetry, distribution networks, unbalanced operation, compensators, current symmetrization.