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## **PROCEDURE FOR EXCLUSION OF FAULT ON INSULATOR OF 110/35/10 KV TRANSFORMER ON 35 KV SIDE IN SS GEVGELIJA**

### **ABSTRACT**

On December 20-th, 2001 three-phase power transformer 110/35(20)/10kV in 110/35/10kV S/S Gevgelija we had short-circuit fault in phase "A" on the 35kV side of the transformer .

Because this was the single transformer in this S/S, its disconnection would result with permanent and long-term disruption of normal energy supply of the whole region of the city of Gevgelija and surrounded urban areas.

In this paper we present our experiences with operation of such demaged transformer in this S/S together with analysis of the security conditions of the whole substation until final resolution of the fault and restoration of the transformer into normal conditions.

**Keywords:** power transformers, maintenance, bushings.