

Документы

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The impact of electrical interconnection between countries on the stability of electrical power systems
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Краткое описание

Because power systems are operated closer to critical limits, environmental constraints limit transmission network expansion, the need for long-distance power transfers has grown, and operators share less in the supervision and operation of power systems, management of power systems has become more difficult than before. The problems of power systems instability are a major concern in many countries and many blackouts have been reported, where the reason has been the instability of frequency in electrical stations. The purpose of this study is analyzing the impact of electrical interconnection between Arab countries in supporting the stability of frequency in the Syrian electrical grid, where has used program (PSS/E) for comparing the behavior of the Syrian electrical system before and after the electrical interconnection. © 2022 IEEE.

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