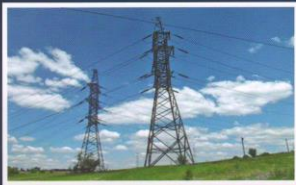


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**Нормативно-правове регулювання
якості напруги в електричних
мережах з джерелами
розосередженої генерації**



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In terms of the paper, we carried out an analysis of the modern international regulatory and legal frameworks, which contributed to a significant increase in the number and total capacity of renewable energy facilities in the electrical networks of European countries, while respecting the voltage quality of electric power supply. We considered the regulatory and legal documents of Germany and the United Kingdom, which establish the rules for connecting distributed generation facilities to distribution networks in accordance with the European requirements. Also, we carried out a comparative analysis of the criteria for assessing the connection admissibility of the mentioned facilities (from the

point of view of providing an EMC), which are applied in the European Union and Ukraine. We developed a number of suggestions and recommendations to make amendments to the relevant regulatory and legal documents of Ukraine to ensure a compliance with the European requirements for voltage quality and stimulate the development of renewable energy.

The article is intended for scientific and engineering personnel involved in the issues of voltage quality and electromagnetic compatibility of the consumers of electrical networks and systems. It may be useful to students of the relevant specialty.