

Electricity market regulation: global status, development trend, and prospect in China

Fushuan Wen

Professor, School of Electrical Engineering, *Zhejiang University*, Hangzhou 310027, China

Professor, Department of Electrical Power Engineering and Mechatronics, *Tallinn University of Technology*, Tallinn 19086, Estonia

Abstract: With ever-growing electricity consumption, unwanted climate change, and evolving generation mix, some energy policies related to electricity markets are enforced in various countries to cope with emerging challenges in the energy sector. Electricity market regulation, which is required to keep pace with the continuous development of power industry restructuring and electricity market operation, is also evolving. This speech first reviews the present status and development trends in electricity market regulation in the United States, Australia, United Kingdom, and France, which have mature and widely recognized electricity markets around the globe. Subsequently, the progress of the electricity market reform in China is described, and the status, drawbacks, and prospect of the electricity market regulation in China presented.