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New Infratechnologies in the Deregulated Power Sector

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Abstract: This paper discusses new infratechnologies in the deregulated power sector. Most measurement and standardization techniques can be viewed as infratechnology. Infratechnologies are technical tools, including the measurement of data, test methods, and practices and technique. Standardization requirements are related to the measurement requirement. Although the system operation and market transactions concern many import aspects, they are insupportable and often complementary. This distinction between the technical and market information is important because the characteristics of information needs and the impact on economic efficiency and clean power are generally different. The present paper focuses on infratechnologies that can potentially increase the benefits or decrease the operational costs. Infratechnologies play an important role in several stages of the effective system operation.

Key Words: Infratechnology, Measurement, Deregulation, Power quality, Power system

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