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Technical requirements of energy internet trading platform

能源互联网交易平台技术要求

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Foreword

This document complies with the provisions of GB/T 1:1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents" Drafting:

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Technical requirements for energy Internet trading platform

1 Scope

This document stipulates the overall requirements for the energy Internet trading platform, platform system architecture, application functions and support system requirements:

This document applies to the development, design, operation and management of energy Internet trading platforms:

2 Normative reference documents

GB/T 20272-2019

GB/T 22239-2019

GB/T 42320-2023

3 Terms and definitions

The following terms and definitions apply to this document: 3:1 energy internet energy internet With electric energy as the core, it integrates heat, cooling, gas and other energy sources, comprehensively utilizes Internet and other technologies, and deeply integrates energy systems and information and communication systems:

It coordinates the production, transmission, distribution, storage, conversion, consumption and trading of multiple energy sources, and is an open energy system with efficient, clean, low-carbon and safe features: Source Internet:

[Source: GB /Z 41237-2022,3:1:1] 3:2 Including electricity, heating, cooling, gas and other types of energy types that can be traded, as well as energy data, carbon emission data, energy rights and other related information that can be traded: product: 3:3 In the energy Internet environment, energy producers and consumers conduct transactions on various energy trading products through negotiation, bidding, etc:

Yi, a mechanism to determine price and quantity through market competition: 3:4 In the energy Internet environment, the production, transmission, distribution, storage and conversion protocols of various energy trading varieties are exchanged directly or through media:

It is proposed to realize an open trading platform for transactions between the production and consumption of energy trading varieties:

4 General requirements

The energy Internet trading platform should meet the following requirements:

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