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Customer energy management system - Part 8: Use cases

用户端能源管理系统 第8部分：用例

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Foreword

GB/T 35031 "User-side Energy Management System" has released the following parts.

2.Functional specifications of the master station;

1.General requirements for subsystem interface gateways;

6.Management indicator system;

7.Function classification and system classification;

8.Use cases. This part is Part 8 of GB/T 35031. This section was drafted in accordance with the rules given in GB/T 1.1-2009. Please note that some of the contents of this document may involve patents. The issuing agency of this document is not responsible for identifying these patents. This part was proposed by the China Electrical Equipment Industry Association. This part is under the jurisdiction of the National Electrical Equipment Network Communication Interface Standardization Technical Committee (SAC/TC411). The main drafting units of this section. Shanghai Electrical Apparatus Research Institute, Shanghai Ubiku Electric Co., Ltd., Tongji University, Yantai Oriental Weston Electric Co., Ltd., Beijing Huadian Zhongxin Technology Co., Ltd., Harbin Institute of Technology, Shanghai Tengtian

Energy-saving Technology Co., Ltd., Changshu Kai Guan Manufacturing Co., Ltd. (formerly Changshu Switchgear Factory), China Electric Power Research Institute Co., Ltd., Shanghai Weilai Automobile Co., Ltd., Shanghai Electric Power University School, Northwestern Polytechnical University, Nanjing Daquan Electric Research Institute Co., Ltd., Xiamen ABB Low Voltage Electrical Equipment Co., Ltd., Shanghai Liangxin Electric Co., Ltd. Co., Ltd. The main drafters of this section. Cai Zhongyong, Xi Peifeng, Hu Daliang, Lu Jianfeng, Ju Changjiang, Tian Haitao, Tong Weiming, Lu Lin, Chen Ping, Zhang Hao, Liu Xiaochun, Tang Jun, Wang Yujing, Liu Jun, Li Xiaolu, Pan Mingming, Chen Dingjian, Cui Ming, Peng Daogang, Wang Jingyu, Zou Xiaoming, Xu Zeliang, Chen Li, Liu Liang, Wei Yong, Liu Tao, Xie Jianbo, Xie Ruobing, He Ke, Wang Luyue. User-side Energy Management System Part

1 Scope

GB/Z 35031.8-2021 is the Chinese national standard on customer energy management system - part 8: use cases, in the field of electrical engineering. The /Z suffix marks it as a guiding technical document: it does not prescribe requirements that can be certified against, but sets out the technique, the method or the state of the art that the standards bodies recommend following. It was issued on 9 March 2021 by the State Administration for Market Regulation; Standardization Administration of China. As a guiding technical document it carries no separate date of entry into force: it applies from publication.

Classification: ICS 29.020, CCS K00. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This part of GB/T 35031 defines the main participants, energy service items, use case codes and use cases of the user-side energy management system. The scenario code, use case layout and use case template include the use cases of the client energy management system (CEMS) compiled accordingly. This part is compiled for the understanding and design of the user-side energy management system, and is suitable for analyzing the actual application field of the user-side energy management system. Participants in the scene, the connection between participants and participants, information interaction, and the sequence of information interaction.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article. For undated reference documents, the latest version (including all amendments) is applicable to this document. GB /Z 32500-2016 General requirements for data interface of smart grid user-end systems GB /Z 32501-2016 General requirements for smart grid user-side

communication systems

GB/T 35031.1-2018 User-side energy management system Part

3 Terms, definitions and abbreviations

3.1 Terms and definitions The following terms and definitions defined in GB/T 39260.2-2020 and

GB/T 35031.6-2019 apply to this document. in order to For ease of use, some terms and definitions in GB/T 39260.2-2020 and

GB/T 35031.6-2019 are repeatedly listed below.

3.1.1 Usecase Description of a series of activities completed by the system, the significant results that these activities can produce are usually one or more participation in the system Parties or other stakeholders have value. [

GB/T 39260.2-2020, definition 3.1]

3.1.2 Usecasetemplate A table for structured description of use cases in predefined fields. [

GB/T 39260.2-2020, definition 3.4]

3.1.3 Actor The entity of communication and interaction.

GB/T 39260.2-2020, definition 3.2.

6 Management Index System

GB/T 39260.2-2020 Use Case Method Part