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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 15736-2016

Replacing GB/T 15736-1995

General requirments for gas turbine auxiliary equipment

燃气轮机辅助设备通用技术要求

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Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 15736-1995 "General technical requirements for gas turbine auxiliary equipment". This standard compared with GB/T 15736-1995, the main changes are as follows: - Added "scope, normative reference documents, terms and definitions, general rules" and so on; - The auxiliary equipment in the previous version of the standard system is divided into basic auxiliary equipment and other related auxiliary equipment;

--- the former version of the standard "pressure oil system" modified to "control oil system";

--- the former version of the standard "fuel supply system" modified to "fuel system";

--- Toggle device set up a separate system;

--- the former version of the standard "fire protection system" modified to "fire system";

--- the former version of the standard "cleaning system" modified to "washing system";

--- the former version of the standard "outside the car" modified to "cover";

--- in the previous version of the standard relying on 9E, 6B models, based on the increase in the 9F class a variety of models of auxiliary equipment technical standards, and related The contents of the equipment system were supplemented. This standard is proposed by the China Machinery Industry Federation. This standard is under the jurisdiction of the National Gas Turbine Standardization Technical Committee (SAC/TC259). The drafting of this standard. Zhejiang Guohua Yuyao Gas Power Co., Ltd., Nanjing Gas Turbine Research Institute, Harbin Steam Turbine Factory Limited liability company, Guangdong Huizhou Natural Gas Power Generation Co., Ltd., Shanghai Electric Power Station Equipment Co., Ltd. Shanghai Steam Turbine Factory. The main drafters of this standard. Han Jianqing, Zhou Yi, Wu Aizhong, Wang Qing Ren, Tang Jian. This standard replaced the previous version of the standard release.

--- GB/T 15736-1995. General technical requirements for gas turbine auxiliary equipment

1 Scope

GB/T 15736-2016 is the Chinese national standard on general requirements for gas turbine auxiliary equipment, in the field of energy and heat transfer engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 13 December 2016 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 July 2017. Classification: ICS 27.040, CCS K56. 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 standard specifies the general technical requirements for gas turbine auxiliary equipment. This standard applies to the design, manufacture, purchase and use of gas turbine auxiliaries for power generation. Other types of gas turbines can be used use.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article , The latest version (including all amendments) applies to this document. Guide for adiabatic design of equipment and pipelines GB/T Method for determination of explosive limit of combustible gases in air GB/T 12474

GB 14098 Gas Turbine Noise Gas turbine procurement - Part 3. Design requirements GB/T Gas turbine procurement - Part 4. Fuel and the environment GB/T

GB/T 15135 Gas Turbine Vocabulary

GB/T 18345 Gas turbine flue gas emissions - Part 1. Measurement and evaluation

GB/T 18345 Gas turbine flue gas emissions - Part 2. Automatic measurement

GB/T 32821-2016 Gas turbine application safety Code for design of automatic fire alarm system

GB 50116 Code for fire protection of oil and gas engineering design

GB 50183 Code for design of carbon dioxide fire extinguishing system

GB 50193 Code for fire protection design of substations in thermal power plants

GB 50229 Code for design of gas transmission pipeline

GB 50251 Code for design of flammable gas and toxic gas detection alarm for petrochemical industry GB/T

JB/T 5884 Gas Turbine Control and Protection System

JB/T 5885 Gas Turbine Liquid Fuel Receiving, Storage and Management Guidelines for the use of gaseous fuels for gas turbines

JB/T 7822 General technical conditions for gas turbine electrical equipment

3 Terms and definitions

GB/T 15135 and GB/T 14099.3 and the following terms and definitions apply to this document.

3.1 Auxiliary equipment auxiliaryequipment All systems or devices other than the gas turbine body to assist in the normal operation of the gas turbine.