

ICS 27.040
CCS K 56



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

GB/T 14099.3-2009

Gas turbines -- Procurement -- Part 3: Design requirements

燃气轮机 采购 第3部分：设计要求

(English Translation)

Issued on: April 13, 2009

Implemented on: January 1, 2010

Issued by: Standardization Administration of China

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Foreword

GB/T 14099 "gas turbine procurement" consists of the following components.

--- Part 1. General principles and definitions

--- Part 2. Standard reference conditions and ratings

--- Part 3. Design requirements

--- Part 4. Fuel & Environment

--- Part 5. Application of the oil and gas industry

--- Part 6. Combined Cycle

--- Part 7. Technical information

--- Part 8. inspection, testing, installation and commissioning

--- Part 9. Reliability, availability, maintainability and safety this section GB/T 14099 Part 3.

This section identical with ISO 3977-3:2004 "gas turbine procurement - Part 3. Design requirements" (in English).

For ease of use, this section made the following editorial changes.

--- The "international standards in this section" to "this Part";

--- With a decimal point instead of a comma as the decimal point, "";

--- Deleted international standards foreword, introduction of international standards with our way of expressing language;

--- To ISO 3977-3:2004 references to other international standards, it has been adopted as a standard by our country instead of the corresponding national standard International standards, our standards are not a direct reference to the use of international standards;

--- The ISO 3977-3:2004 in 4.1,4.4 cited "ISO 3799-5" instead "ISO 3977-5", 4.5.4.4 references "ISO 37899" read. "ISO 3977";

--- The standard reference document adds ISO 3977-3:2004 text cited API670, ISO 11342 (has been adopted as GB/T 6557-1999) and ISO 3977-5;

--- To ISO 3977-3:2004 in terms of individual statements to be described by way of language.

This section of the Appendix A, Appendix B is an informative annex.

This part is proposed by China Machinery Industry Federation.

This section of the gas turbine of the National Standardization Technical Committee (SAC/TC259) centralized.

Drafting this Part. turbine Nanjing Institute of China Aviation Shenyang Engine Design Institute, Shanghai Turbine Co., Ltd., South Beijing Turbine & Electric Machinery (Group) Co., Ltd., Harbin Turbine Factory Co., Ltd., Dongfang Steam Turbine Works, China United Engineering Corporation, Shaanxi West Blower (Group) Co., Ltd., China Aviation Shenyang Liming Aero-Engine (Group) Co., Ltd.

1 Scope

This section GB/T 14099 gives the purchaser from purchasing various uses sets of gas turbines and gas turbine systems (including the use of in combined cycle gas turbine) and auxiliary equipment design requirements, while providing information and technical assistance for the procurement process.

This legislation does not deal with local or national installation to be observed.

This section applies to an open system of simple cycle, combined cycle and regenerative cycle gas turbine. This section does not apply propelled