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**SN**

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

**SN/T 3834.2-2014**

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**Technical requirements for the inspection of complete set  
electric power industry equipment for import and export - Part  
2: Gas turbine power equipment  
(English Translation)**

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### Foreword

SN/T 3834 "Importers and power industry equipment testing technical requirements" is divided into three parts.

- Part 1. turbine power generation equipment;
- Part 2. Gas generation equipment;
- Part 3. hydroelectric equipment.

This section SN/T 3834 Part 2.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section proposed and managed by the National Certification and Accreditation Administration Committee.

This section is responsible for drafting unit. People's Republic of China Shanghai Entry-Exit Inspection and Quarantine Bureau.

### 1 Scope

SN/T 3834 This section specifies the technical requirements for test equipment gas-fired generation and export of complete sets of equipment of the power industry.

This section applies to the import and export power industry 3.1 and 3.2 defined equipment gas power plant and gas - steam combined cycle Power test equipment.

### 2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB 3836.1 explosive atmospheres - Part 1. General requirements for equipment GB 3836.14 Electrical apparatus for explosive gas atmospheres - Part 14. Classification of

hazardous areas GB 4053.3-2009 fixed ladders and platforms - Safety requirements - Part 3. Industrial guardrails and steel platform GB 19517-2009 National Electrical Safety Equipment Technical Specifications Inspection of power plant boiler and pressure vessel DL647-2004 DL/T 1123-2009 thermal power production safety facilities Configuration DL/T 5174-2003 Gas - steam combined cycle power plant design requirements SN/T 3700-2013 Equipment Import and Export Inspection General technical requirements

### 3 Terms and Definitions

SN/T 3700-2013 and defined the following terms and definitions apply to this document.

Gas generation equipment gasturbinepowerequipment Industry, also known as gas turbine power generation equipment, it temperature gas as working fluid, according to the heating cycle operation of the fuel pressure and other chemical energy transfer Device into electrical energy. The main equipment includes. natural gas regulator station (liquid fuel supply system), gas turbines, generators, lube oil system, Hydraulic oil system, control system and power output systems (see Appendix A).

Gas - steam combined cycle power plant combinedcyclepowerequipment by gas turbine cycle with steam or other fluid Rankine cycle phase combined thermodynamic cycle for power generation equipment. Major equipment package Including. natural gas regulator station (liquid fuel supply system), gas turbines, waste heat boilers, steam turbines, generators, lube oil system, hydraulic oil system Systems, control systems and power output systems (see Appendix B).