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

GB/T 33632-2025

Replacing GB/T 33632-2017

**General installation requirements for aero-derivative gas
turbines assembly**

航空派生型燃气轮机成套设备安装通用技术要求

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document replaces GB/T 33632-2017 "General technical requirements for installation of complete sets of aviation-derived gas turbines" and GB/T 33632- Compared with 2017, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- a) Added "Terms and Definitions" (see Chapter 3);
- b) Added the installation site conditions for offshore platforms (see 5.2.6);
- c) Added the allowable deviation value of steel structure foundation in "Review of Foundation" (see 6.1);
- d) Change "anchor bolts, washers and secondary grouting" to "equipment installation and fixation" (see Chapter 7, Chapter 6 of the 2017 edition);
- e) Added "base-supported equipment" and "equipment fixing on steel structure platforms" (see 7.1 and 7.5);
- f) Change "auxiliary equipment installation" to "auxiliary system installation" (see Chapter 8, Chapter 7 of the 2017 edition);

- g) "General Principles" has been deleted (see 7.1 of the 2017 edition);
- h) Added "Pipeline Installation" and "Valve Installation" (see 8.1 and 8.2);
- i) Added "Installation requirements for electrical systems for use in marine environments" in "Installation of electrical systems" (see 9.8).

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed by the China Machinery Industry Federation.

This document is under the jurisdiction of the National Technical Committee for Standardization of Gas Turbines (SAC/TC259).

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This document was first published in 2017 and this is the first revision.

Installation of complete equipment for aviation-derived gas turbines General technical requirements

1 Scope

This document specifies the installation requirements for aviation-derived gas turbine complete sets (hereinafter referred to as "complete sets").

This document applies to the installation of complete sets of aircraft-derived gas turbines for power generation. Complete sets of aircraft-derived gas turbines for mechanical drive
The equipment is implemented as a reference.

2 Normative references

GB/T 13675

GB/T 15135

GB/T 38179

GB 50093

GB 50126

GB 50166

GB 50168

GB 50169

GB 50170

GB 50171

GB 50231

GB 50235

GB 50236

GB 50263

3 Terms and Definitions

The terms and definitions defined in GB/T 15135, GB/T 38179 and the following apply to this document.

3.1 foundation

The load-bearing structure below the equipment installation surface.

Note. Foundations generally include concrete foundations and steel structure foundations.

3.2 base support underbasesupport

A device installed on the foundation to support and fix the gas turbine unit.

Note. The base support is usually divided into three or more points of support.