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

GB/T 35853.6-2026

Replacing GB/T 35853.6-2018

**List of aerospace equivalent terms - Part 6: Standard
atmosphere
(English Translation)**

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document is Part 6 of GB/T 35853, "Aerospace Equivalent Terminology Table". GB/T 35853 has already published the following parts.

---Part 1: Aviation Electrical Equipment;

---Part 2: Rivets for Aerospace Use;

---Part 3: Bolts and Nuts for Aerospace Applications;

---Part 4: Flight Dynamics;

---Part 5: Aircraft Equipment Environment and Operating Conditions;

---Part 6: Standard Atmosphere;

---Part 7: Aircraft Reliability;

---Part 8: Aircraft;

---Part 9: Aircraft Structure this document replaces GB/T 35853.6-2018 "Aerospace Equivalent Terminology Table Part 6: Standard Atmosphere", and is consistent with GB/T 35853.6-Compared to 2018, aside from structural adjustments and editorial changes, the main technical changes are as follows.

a) Added 24 equivalent terms, including "aerosol" (see numbers 12, 26, 27, 29, 68, 96, 109, 110, 111, 127, 128, 147).

148, 149, 151, 152, 153, 155, 158, 163, 187, 188, 202, 204);

b) The Chinese expressions of 45 equivalent terms, including "geomagnetic activity," have been changed (see numbers 7, 8, 14, 17, 23, 35, 43, 47, 48, 61, and 73).

76, 83, 86, 100, 101, 105, 112, 117, 119, 121, 123, 139, 143, 160, 165, 170, 171, 172, 174, 191 Numbers.199,.201, 203, 207, 211~219, 237; and serial numbers 8, 9, 14, 17, 23, 33, 41, 45, 31, 58, 69, 72 (2018 edition).

79, 82, 95, 96, 100, 104, 109, 113~115, 129, 134, 144, 148, 153~155, 157, 172, 131, 181, 182 185, 189~197, 215);

c) Change the English terms "turbuleny" and "Loschmidt's number" to "turbulent" and "constant, Loschmidt";

"Loshmidta" is changed to "pocoyannaya Loshmidtap"; the German term "Loschmidt-Zahl" is changed to "Loschmidt-Konstante" (see numbers 83 and 112; numbers 79 and 104 in the 2018 edition);

d) The terms "atmospheric parameters; atmospheric characteristics" and their corresponding English, French, Russian, and German terms have been removed (see the serial numbers in the 2018 edition).

140).

This document is modified to adopt ISO 5843-6:1985 "Aerospace equivalent terminology table - Part 6: Standard atmosphere".

This document has undergone the following structural adjustments compared to ISO 5843-6:1985.

---A new chapter on "Normative References" has been added;

---Added informative Appendix A, "Technical Differences Between This Document and ISO 5843-6:1985 and Their Reasons";

---Added Chinese index.

This document differs significantly from ISO 5843-6:1985. The relevant clauses are indicated in vertical margins.

Single lines (|) are indicated. A summary of these technical differences and their causes can be found in Appendix A.

The following editorial changes have been made to this document.

---To harmonize with existing standards, the standard name has been changed to "Aerospace Equivalent Terminology Table Part 6: Standard Atmosphere";

---The note in Chapter 1 has been revised;

---Term numbers are reordered alphabetically by their first English digit.

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed and is under the jurisdiction of the National Aircraft Standardization Technical Committee (SAC/TC435).

Introduction

GB/T 35853 defines the equivalent terms used in the field of aerospace facilities and is proposed to consist of nine parts.

---Part 1: Aircraft Electrical Equipment. The purpose is to define the terminology related to aircraft electrical equipment.

---Part 2: Aerospace Rivets. The purpose is to define the terminology related to aerospace rivets.

---Part 3: Bolts and Nuts for Aerospace Use. The purpose is to define the terminology related to bolts and nuts for aerospace use.

---Part 4: Flight Dynamics. The purpose is to define the terminology related to flight dynamics.

---Part 5: Aircraft Equipment Environment and Operating Conditions. The purpose is to define the environment and operating conditions related to aircraft equipment.

the term.

---Part 6: Standard Atmosphere. The purpose is to define the terminology related to standard atmosphere.

---Part 7: Aircraft Reliability. The purpose is to define the terminology related to aircraft reliability.

---Part 8: Aircraft. The purpose is to define the terminology related to aircraft.

---Part 9: Aircraft Structure. The purpose is to define the terminology related to aircraft structure.

Aerospace Equivalent Terminology Part 6: Standard Atmosphere

1 Scope

This document defines the terminology related to standard atmosphere.

Note: In addition to the terms given in the three official languages of the International Organization for Standardization (ISO) (English, French, and Russian), this document also provides equivalent terms in German.

2 Normative references

This document has no normative references.

3 Glossary of Equivalent Terms

Table 1 provides the equivalent terms applicable to this document.

Table 1. Equivalent Terminology

Serial Number	Chinese	English	French	Russian	German
1	Atmospheric absorption	atmosphérique	atmocfepnoe	pogloshchenie	atmosphärische
	Absorption Ultraviolet radiation	absorb	absorption of	absorptiondu	ultraviolet
	yltpafioleto-vogoizlycheniya	Absorption			
3	Atmospheric Absorption Rate	absorptivityof	absorptivitédel'	atmosphère; pouvoir	
	absorbantde l'atmosphère	pogloshchayushchie	cvoictva	atmocfepy	Absorptionsfähigkeit
	derAtmosphäre				

4 Centrifugal acceleration

acceleration

accélération

centrifuge

tsentpobezhnoe

yckopenie

5 Gravitational acceleration

accelerationdueto

acceleration

accélérationdueà

lapesanteur

yckopenie

cilytyazhecti

Free fall plus

speed

accelerationof