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

GB/T 32935-2025

Replacing GB/T 32935-2016

Grade of global tropical cyclones

全球热带气旋等级

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Table of Contents

Preface	III
1 Scope	1
2 Normative references	1
3 Terms and Definitions	1
4 Global tropical cyclone classification method	1
4.1 Monitoring sea areas	1
4.2 Division rules	1
4.3 Division indicators	1
5 Classification of tropical cyclones in different sea areas around the world	1
5.1 Northwest Pacific and South China Sea	1
5.2 South Pacific and waters near Australia	2
5.3 North Indian Ocean	2
5.4 Southwest Indian Ocean	3
5.5 North Central Pacific, Northeastern Pacific and North Atlantic (Caribbean Sea and Gulf of Mexico)	3
Appendix A (Normative) Division of Global Tropical Cyclone Monitoring Areas	4
Appendix B (Normative) Chinese-English Comparison Table of Global Tropical Cyclone Grade Names	5
References	7

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 32935-2016 Global Tropical Cyclone Scale. Compared with GB/T 32935-2016, in addition to structural adjustments and In addition to editorial changes, the main technical changes are as follows.

- Added the rules for the classification of tropical cyclone intensity when a tropical cyclone moves from one sea area to another (see 4.2);
- Added tropical cyclone classification indicators (see 4.3);
- The tropical cyclone classification in the South Pacific and the waters near Australia was deleted (see 3.2.2 and 3.2.3 of the 2016 edition);

- Changed other relevant information corresponding to the maximum average wind speed near the bottom center (see 5.1~5.5, 3.2.2~3.2.6 of the 2016 edition);
- Changed the sea areas that adopt the same standard for tropical cyclone classification (see 5.2, 3.2.2 and 3.2.3 of the 2016 edition);
- Added some tropical cyclone grades (see 5.2, 5.3, 5.5, Appendix B);
- Changed the range of maximum wind speed near the center corresponding to some tropical cyclone levels (see 5.3, 5.4, 3.2.4, 3.2.5 of the 2016 edition);
- Changed the name of the tropical cyclone area in the southwest Indian Ocean (see 5.4, 3.2.5 of the 2016 edition);
- Added the normative appendix "Global tropical cyclone monitoring sea area division" (see Appendix A);
- Added the normative appendix "Chinese-English comparison table of global tropical cyclone grade names" (see Appendix B).

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 Meteorological Administration.

This document is under the jurisdiction of the National Technical Committee for Standardization of Meteorological Disaster Prevention and Mitigation (SAC/TC345).

This document was drafted by: National Meteorological Center.

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The previous versions of this document and the documents it replaces are as follows.

- First published in 2016 as GB/T 32935-2016;
- This is the first revision. Global tropical cyclone scale

1 Scope

This document defines the classification of tropical cyclones in various ocean areas around the world.

This document applies to operations, services and scientific research on tropical cyclones.

2 Normative references

GB/T 19201-2006

3 Terms and definitions

There are no terms or definitions that require definition in this document.

4.1 Monitoring sea areas

According to Appendix A, the global tropical cyclone monitoring areas are divided into the Northwest Pacific and South China Sea, the South Pacific, the waters near Australia, the North Indian Ocean, and the South China Sea.

There are eight geographical regions corresponding to the Indian Ocean, Southwest Indian Ocean, North Central Pacific Ocean, Northeast Pacific Ocean, and North Atlantic Ocean (Caribbean Sea and Gulf of Mexico).

4.2 Division rules

When a tropical cyclone moves from one sea area to another, the tropical cyclone level is divided according to the tropical climate in the sea area where the tropical cyclone center is located.

The grade of rotation is divided into different levels.

The tropical cyclone grades in the Northwest Pacific and South China Sea should be classified according to the provisions of GB/T 19201-2006.

Cyclone levels should be classified according to the level regulations of the World Meteorological Organization's tropical cyclone regional professional meteorological forecast centers.

The Chinese and English names of the global tropical cyclone levels should comply with the provisions of Appendix B.

4.3 Division indicators

The tropical cyclone grade is divided according to the maximum average wind speed near the center of the bottom layer (10m).

Note. The average time of wind speed in different sea areas is different.

5.1 Northwest Pacific and South China Sea

The classification of tropical cyclones in the Northwest Pacific and the South China Sea should comply with the provisions of Table 1.