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

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Grade of sea fog warning

海雾预警等级

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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.

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.

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1 Scope

This document specifies the requirements for the classification and characterization of sea fog warning levels.

This document applies to sea fog warnings.

2 Normative references

This document has no normative references.

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 sea fog

Occurs in the lower atmosphere over the sea, coast and islands, where a large number of water droplets or ice crystals produced by condensation of water vapor reduce horizontal visibility. Weather phenomena below 1km.

3.2 Visibility

A person with normal vision (contrast threshold of 0.05) can see and identify the target object against the sky background under the weather conditions at that time.

(black, moderately sized) maximum horizontal distance.

Note 1. The contrast threshold is the minimum brightness contrast that can be perceived by a person with normal vision. Note 2. The unit is meter (m).

[Source. GB/T 27964-2011, 2.2, modified]

4 Level classification

According to the visibility threshold, the sea fog warning is divided into two levels. yellow and orange. Table 1 gives the sea fog warning level, visibility threshold and Characterizes color.

Table 1 Sea fog warning levels and colors
Warning level visibility threshold V Characteristic color
Sea fog yellow warning $500\text{m} \leq V \leq 1000\text{m}$ Yellow
Sea fog orange warning $V < 500\text{m}$ Orange

5.1 Yellow Warning

It is predicted that in the next 24 hours, sea fog with visibility greater than or equal to 500m and less than or equal to 1000m will appear in the coastal areas of China;