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

HY/T 0273.3-2021

**Technical directives for risk assessment and zoning of marine
disaster - Part 3: Tsunami**
(English Translation)

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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 of Standardization Documents" Drafting.

This document is part 3 of HY/T 0273. HY/T 0273 has released the following parts.

---Part 1: Storm surge;

---Part 3: Tsunami;

---Part 5: Sea level rise.

This document was proposed by the Ministry of Natural Resources of the People's Republic of China.

This document is under the jurisdiction of the National Marine Standardization Technical Committee (SAC/TC283).

Drafting organizations of this document. National Marine Environmental Forecasting Center, Zhejiang Marine Monitoring and Forecasting Center.

Introduction

Marine disaster risk assessment and zoning are important basic tasks for marine disaster prevention and mitigation, and effective response to marine disasters for local governments at all levels and planning and layout of coastal economic and social development has an important guiding role. HY/T 0273 is to guide governments at all levels to carry out marine disaster risk Basic and universal industry standards for assessment and zoning work. In view of the length of the document and the mechanism and cause of various marine disasters the reasons are different, HY/T 0273 is proposed to be composed of 5 parts.

---Part 1: Storm surge;

---Part 2: Waves;

---Part 3: Tsunami;

---Part 4: Sea ice;

---Part 5: Sea level rise.

Technical Guidelines for Marine Disaster Risk Assessment and Zoning Part 3: Tsunami

1 Scope

This document stipulates the working principles, technical methods and results management of tsunami disaster risk assessment and zoning.

This document is applicable to tsunami disaster risk assessment and zoning work.

2 Normative references

The contents of the following documents constitute the indispensable clauses of this document through normative references in the text. Among them, dated quotations Only the version corresponding to that date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to this document.

GB/T 21010-2017 Classification of land use status HY/T 058 Operational specification for ocean survey, observation and monitoring archives

3 Terms and definitions

The following terms and definitions apply to this document.

Tsunami

The fierce and extremely harmful waves are formed by long waves caused by submarine earthquakes, volcanic eruptions or underwater collapses and landslides.

[Source. GB/T 15920-2010, 2.5.60, with modification] 3.2 Local tsunami A tsunami that is within 100km of the area affected by the devastating effect of the tsunami.

Regional tsunami

A tsunami within 1000km of the area affected by the tsunami from the source of the tsunami.

Ocean-wide tsunami

Remote tsunami

A tsunami whose source is more than 1000km away from the area affected by the tsunami.

Traveltime

The time required for the first wave of a tsunami to propagate from the source of the tsunami to a fixed point on the coast.

Traveltime map

A graph showing the isochron of tsunami propagation.