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

HY/T 147.7-2013

**Code of practice for marine monitoring technology. Part 7:
Satellite remote sensing technical methods
(English Translation)**

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Foreword

HY/T 147 "Marine Monitoring Technical Regulations" is divided into seven parts.

- Part 1: Sea water;
- Part 2: Sediment;
- Part 3: Organisms;
- Part 4: Ocean atmosphere;
- Part 5: Marine ecology;
- Part 6: Marine Hydrology, Meteorology and Sea Ice;
- Part 7: Satellite remote sensing technology methods.

This part is part 7 of HY/T 147.

This section was drafted in accordance with the rules given in GB/T 1.1-2009.

This part was proposed by the National Marine Environmental Monitoring Center.

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

Drafting organizations of this section. National Marine Environmental Monitoring Center, North Sea Environmental Monitoring Center of State Oceanic Administration, East China Sea Environmental Monitoring Center of State Oceanic Administration Monitoring Center, South China Sea Environmental Monitoring Center of State Oceanic Administration.

1 Scope

This part of HY/T 147 specifies the measurement of seawater backscattering coefficient and the use of satellite remote sensing to monitor the marine ecological environment.

The technical methods and requirements for pollution, coastal marine ecosystems, coastal environmental geological disasters, red tides (green tides) and the spread of sewage outlets into the sea.

This part is applicable to the measurement of backscattering coefficients of seawater and the elements of marine ecological environment, coastal marine ecosystems, and coastal environmental geology Satellite remote sensing monitoring of disasters, red tides (green tides) and the spread of sewage outlets into the sea.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article Pieces. For undated references, the latest version (including all amendments) applies to this document.

GB 12342 1.25000, 1.50000, 1.100000 topographic map pattern GB/T 12763.1 Marine Survey Specification Part 1: General GB/T 12763.2 Marine Survey Specification Part 2: Marine Hydrological Observation GB/T 12763.5 Ocean Survey Specification Part 5: Ocean Sound and Light Element Survey GB/T 12763.6 Specification for Marine Survey Part 6: Marine Biological Survey GB/T 12763.9 Marine Survey Specifications Part 9: Marine Ecological Survey Guidelines GB/T 13989 National Basic Scale Topographic Map Framing and Numbering GB 17378.4 Marine Monitoring Specification Part 4: Seawater Analysis GB/T 18314 Global Positioning System (GPS) Measurement Specification HY/T 078 Marine biological quality monitoring technical regulations HY/T 133 Spectrophotometric method for measuring the spectral absorption coefficient of particulate matter and yellow matter in seawater NY/T 1121.2 Soil Testing Part 2: Determination of Soil pH NY/T 1121.16 Soil Testing Part 16: Determination of Total Water Soluble Salt in Soil NY/T 1121.17 Soil testing Part 17: Determination of soil chloride ion content NY/T 1121.18 Soil Testing Part 18: Determination of Soil Sulfate Ion Content

3 Terms and definitions

The following terms and definitions apply to this document.

Spatialresolution

The minimum distance between two adjacent features that can be identified on the remote sensing image.

Temporalresolution

The minimum time interval between two adjacent remote sensing observations of the same area by the same remote sensor.