

ICS 47.020.50

CCS U 34



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

GB/T 46159-2025

**General technical specifications for subsea self-moving
trenching operation system**

水下自行走挖沟作业系统通用技术要求

Issued on: August 29, 2025

Implemented on: March 1, 2026

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

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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 is proposed and coordinated by the National Technical Committee for Standardization of Submersibles (SAC/TC306).

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General technical requirements for underwater self-propelled trenching systems

1 Scope

This document specifies the functions and components of the underwater self-propelled trenching system (hereinafter referred to as the "underwater self-propelled trenching system").

Requirements, test methods, inspection rules, marking, packaging, transportation and storage.

This document applies to the manufacture and inspection of underwater self-propelled trenching systems.

2 Normative references

GB/T 191

GB/T 4208

GB/T 10250

GB 11291.1

GB/T 11605

GB/T 21412.1

GB/T 21412.8

GB 27881

GB/T 32065.2

GB/T 32065.4

GB/T 32065.10

GB/T 32065.14

GB/T 32065.15

GB/T 36896.1

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 chassis

The main structure carries the buoyancy module, crawler self-propelled mechanism, propulsion system, underwater power unit, trenching tools, etc.

3.2 Buoyancy module buoyancy module

A modular structure installed on top of the underwater body to adjust buoyancy.