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General technical requirements for underwater booster robots

水下助推机器人通用技术要求

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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 is required.

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.

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General technical requirements for underwater booster robots

1 Scope

This document defines the terms and definitions of underwater booster robots, and specifies the classification, technical requirements, inspection regulations and It describes the rules, marking, packaging, transportation and storage, and the corresponding test methods.

This document applies to the scientific research, production, use and management of underwater booster robots.

2 Normative references

GB/T 191

GB/T 1804

GB/T 4208

GB/T 4706.18

GB/T 9174

GB/T 9969

GB/T 10069.1

GB/T 10069.3

GB/T 17799.1

GB 17799.8

GB 21966

GB 31241

GB/T 32065.6-2015

GB/T 32065.14-2019

GB/T 32065.15-2019

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Underwater booster robots

The power unit generates power, and has the functions of automatic motion status reminder, active safety intervention, or autonomous navigation along a preset path.

A robot with the function of driving or assisting people to move in water.

3.2 thrust-to-weight ratio

A parameter that describes the ratio of the booster robot's thrust to its own weight.