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**General specification for under-freshwater search and rescue
robots**

淡水水下搜救机器人通用技术条件

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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.

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General technical requirements for freshwater underwater search and rescue robots

1 Scope

This document specifies the classification, technical requirements, inspection rules, marking, use, and operation of freshwater underwater search and rescue robots (hereinafter referred to as "search and rescue robots").

The instructions, packaging, transportation and storage are described, and the corresponding test methods are described.

This document applies to robot systems that enter freshwater disaster sites to conduct observations and perform underwater target search or rescue missions.

Design, manufacture, testing, use and management.

Note. Freshwater areas mainly include lakes, ponds, reservoirs, rivers and canals, or freshwater areas formed by disasters such as floods.

2 Normative references

GB/T 191

GB/T 5226.1

GB/T 6461-2002

GB/T 7424.21-2021

GB/T 9969

GB/T 11533

GB/T 13384

GB/T 32065.2

GB/T 32065.3

GB/T 32065.4

GB/T 32065.5

GB/T 32065.7

GB/T 32065.8

GB/T 32065.10

GB/T 32065.14

GB/T 36896.1

GB/T 38326-2019

GB/T 38336-2019

GB/T 43849

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1

It has the ability to move underwater and can enter lakes, ponds, reservoirs, rivers, canals, etc., or freshwater areas formed by disasters.