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

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**Mine vehicle fire extinguishing system - Safety technical
requirements**

矿用车载灭火系统 安全技术要求

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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.

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 was proposed by the China Machinery Industry Federation.

This document is under the jurisdiction of the National Technical Committee for Standardization of Mining Machinery (SAC/TC88).

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Safety technical requirements for mining vehicle-mounted fire extinguishing systems

1 Scope

This document specifies the hazard list, safety requirements and/or safety measures determination, usage information, scrapping and deal with.

This document applies to on-board fire extinguishing systems used on mining off-road vehicles.

Note. This document sets restrictions on mine vehicle fire extinguishing systems in terms of physical performance and intended use. The requirements set forth are applicable to mine vehicle fire extinguishing systems.

hazards arising from the design, installation, use, maintenance and decommissioning stages of the product.

2 Normative references

GB 2894

GB/T 9969

GB/T 13306

GB/T 15706-2012

GB 50116

GB 50347

GB 50370

3 Terms and definitions

The terms and definitions defined in GB/T 15706, GB 50116, GB 50347, GB 50370 and the following apply to this document.

3.1

Installed on non-road mining vehicles, it consists of a fire extinguishing unit, or a fire automatic alarm unit and a fire extinguishing unit.

A fire suppression system that suppresses an incipient fire that occurs within the designated protection area for non-road vehicles used in mining.

Note 1. Vehicle-mounted fire extinguishing systems are divided into vehicle-mounted wet fire extinguishing systems and vehicle-mounted dry fire extinguishing systems according to the type of fire extinguishing agent filled.

Note 2. The vehicle-mounted fire extinguishing system is divided into the vehicle-mounted automatic release fire extinguishing system and the vehicle-mounted manual release fire extinguishing system according to the activation method.

3.2

Installed on non-road mining vehicles, it consists of two parts. an automatic fire alarm unit and a fire extinguishing unit.

The automatic alarm unit automatically activates the on-board fire extinguishing system of the fire extinguishing unit.

3.3

An on-board fire extinguishing system installed on non-road mining vehicles that only contains a fire extinguishing unit and needs to be manually activated.