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CCS C84

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB 7956.8-2025

Fire fighting vehicle - Part 8: High-expansion foam fire fighting vehicle

消防车 第8部分：高倍泡沫消防车

Issued on: December 2, 2025 **Implemented on: January 1, 2027**

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. This document is Part 8 of GB 7956 "Fire Engines". GB 7956 has the following parts published.

1.General Technical Requirements;

2.Water Tanker Fire Truck;

3.Foam Fire Truck;

4.Dry Powder Fire Trucks;

5.Gas Fire Trucks;

6.Compressed Air Foam Fire Truck;

7.Pumped Fire Trucks;

8.High-Expansion Foam Fire Truck;

9.Water Mist Fire Truck;

10.Airport Fire Trucks;

11.Turbojet Fire Truck;

12.Aerial Fire Trucks;

1 Scope

GB 7956.8-2025 is the Chinese national standard on fire fighting vehicle - part 8: high-expansion foam fire fighting vehicle, in the field of environment and health protection, safety. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 2 December 2025 by the State Administration for Market Regulation; Standardization Administration of China, and takes effect on 1 January 2027. Classification: ICS 13.220.10, CCS C84. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document defines the terminology for high-expansion foam fire trucks and specifies the technical requirements, inspection rules, markings, and packaging for high-expansion foam fire trucks. Transportation and storage, and the corresponding test methods are described. This document applies to all types of high-expansion foam fire trucks and fire trucks equipped with medium-expansion foam generators.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this

document; for undated references, the latest version (including all amendments) applies. This document.

GB 7956.1 Fire engines - Part

3 Terms and Definitions

The terms and definitions defined in GB 7956.1 and the following terms and definitions apply to this document.

3.1 Installed on high-expansion foam fire trucks or equipped on other fire trucks, it is used to spray high-expansion foam mixture and generate high-expansion foam. Spraying equipment.

3.2 A sprayer installed on high-expansion foam fire trucks or equipped on other fire trucks for spraying medium-expansion foam mixtures and producing medium-expansion foam. Shooting equipment.

3.3 Composed of components such as a foam proportioner, foam liquid pump, control device, and piping system, it can mix water and foam liquid in a specific ratio. system.

3.4 Mixing ratio concentration The volume fraction of foaming liquid in foam mixture.

3.5 foam expansion ratio The ratio of foam volume to the volume of the foam mixture that forms the foam.