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**Fire fighting vehicles-Part 6: Compressed air  
foam system fire fighting vehicle**

**消防车 第 6 部分:压缩空气泡沫消防车**

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China**

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## Foreword

Chapter 4, Chapter 6 and Section 7.1 in this part of GB 7956 are compulsory, and the rest is recommendatory.

GB 7956 Fire Fighting Vehicles are divided into the following parts:

Part 1: General technical specifications

Part 2: Water tank fire fighting vehicle

Part 3: Foam fire fighting vehicle

Part 4: Powder Fire Truck

Part 5: Gas fire fighting vehicle

Part 6: Compressed air foam system fire fighting vehicle

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This part is Part 6 of GB 7956.

This part is drafted based on the provisions provided in GB/T 1.1-2009.

This part is proposed by The Ministry of Public Security of the People's Republic of China.

This part is under jurisdiction of National Fire Vehicle Pump Equipment Subcommittee (SAC/TC 113/SC 4).

Drafting organizations of this Part: Shanghai Fire Research Institute of MPS.

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# **Fire Fighting Vehicles - Part 6: Compressed Air Foam System Fire Fighting Vehicle**

## **1 Scope**

This part of GB 7956 specifies terms and definitions, technical requirements, test methods, inspection regulations and marking, packing, transportation, and storage for compressed air foam system fire fighting vehicles.

This part applies to compressed air foam system fire fighting vehicles.

## **2 Normative references**

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

GB/T 3181 Color standard for samples for paint film

GB 4351.1-2005 Portable fire extinguishers--Part 1:Performance and construction

GB 6245-2006 Fire pumps

GB 6969 Rubber suction hose for fire-fighting purpose

GB 7956.1-2014 Fire fighting vehicles—Part 1: General technical specifications

GB 19156 General specifications for fire monitors

GB 25202-2010 Foam nozzle

GB 27897 Class A foam extinguishing agent

JB/T 6441 Safety valves for compressor

## **3 Terms and Definitions**

The terms and definitions defined in GB 7956.1-2014 and set forth below applies to the document. For ease of use, some terms and definitions laid down in GB 7956.1-2014 are listed again as follows.

### **3.1 Compressed air foam system fire fighting vehicle**

A fire fighting vehicle which is mainly equipped with a water tank and a concentrated tank and which puts out a fire by spurting foam through a compressed air foam system.

[GB 7956.1-2014, Definition 3.1.8]

### **3.2 Compressed air foam system; CAFS**

A device mainly composed of a fire pump, a compressed air system, a foam proportioning

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