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**Technical guidelines for in-depth investigation of road traffic
accidents - Part 1: General principles**

道路交通事故深度调查技术指南 第1部分：总则

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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.

This document is Part 1 of GB/T 45645 "Technical Guidelines for In-depth Investigation of Road Traffic Accidents". GB/T 45645 has been published The following parts.

- Part 1: General.

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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This document was drafted by: Traffic Management Science Research Institute of the Ministry of Public Security, Road Traffic Safety Research Center of the Ministry of Public Security, and Traffic Management Bureau of the Ministry of Public Security.

The main drafters of this document are: Wang Changjun, Li Pingfan, Li Zhe, Wei Ran, Pan Hanzhong, Gao Yan, Gong Biao, Zhang Yong, Wu Xiaodong, Zhou Fen, and Yu Chunjun.

Introduction

In-depth investigation of road traffic accidents is a comprehensive study of the personnel, vehicles, roads, management and law enforcement, emergency response and rescue involved in road traffic accidents.

Conduct investigations, analyze the causes of accidents, identify safety hazards, management loopholes and weak links, and propose accident prevention countermeasures and measures GB/T 45645 "Technical Guidelines for In-depth Investigation of Road Traffic Accidents" was formulated to scientifically construct a technical system for in-depth investigation of road traffic accidents.

It is of great significance to improve the standardization and scientificity of in-depth investigation of road traffic accidents.

The general principles of in-depth accident investigation, key elements of investigation content and methods, and requirements for comprehensive accident reconstruction and cause analysis are planned to be divided into seven parts. composition.

- Part 1: General. The purpose is to establish the overall requirements for in-depth investigation of road traffic accidents.

- Part 2: Personnel factor investigation. The purpose is to establish the content, methods and requirements of in-depth investigation of personnel factors.

- Part 3: Vehicle element survey. The purpose is to establish the content, methods and

requirements of in-depth survey of vehicle elements.

- Part 4: Road element survey. The purpose is to establish the content, methods and requirements of in-depth road element survey.
- Part 5: Management and law enforcement elements survey. The purpose is to establish the content, methods and Require.
- Part 6: Investigation of emergency response and rescue elements. The purpose is to establish the content, methods and Require.
- Part 7: Comprehensive reconstruction of accidents and cause analysis. The purpose is to establish the methods and requirements for comprehensive reconstruction of accidents and cause analysis.

Technical Guidelines for In-depth Investigation of Road Traffic Accidents Part 1: General

1 Scope

This document defines the terms and definitions of in-depth investigation of road traffic accidents, gives the basic principles of in-depth investigation of road traffic accidents, and Provides guidance on survey analysis content and survey results.

This document is applicable to in-depth investigations of road traffic accidents.

2 Normative references

GB 5768

GB 7258

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Conduct investigations on personnel, vehicles, roads, management and law enforcement, emergency response and rescue factors involved in road traffic accidents, and analyze the causes of the accidents.

A technical activity that finds safety hazards, management loopholes and weak links, and proposes accident prevention countermeasures and measures.

3.2 Technical activities

Objectively restore the key elements and accident processes of road traffic accidents by using 3D modeling, computer simulation and other technical methods.

4.1 Scope of the survey

A thorough investigation of road traffic accidents that cause casualties should be conducted;

For road traffic accidents with adverse social impacts and any of the following circumstances, an in-depth investigation of the road traffic accident should be conducted.

- a) Involving road passenger vehicles, dangerous goods transport vehicles, semi-trailer tractors, heavy trucks, and vehicles transporting students Road traffic accidents;
- b) The occurrence of the accident may be related to road traffic accidents that are not in compliance with laws, regulations, technical standards or specifications in vehicle production and sales;