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

GB/T 44416-2024

**Road traffic information collection - Information sets of road
traffic safety prompts and warnings**

道路交通信息采集 道路交通安全提示预警信息集

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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 is required. 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 is under the jurisdiction of the National Technical Committee for Standardization of Road Traffic Management (SAC/TC 576). This document was drafted by: Traffic Management Science Research Institute of the Ministry of Public Security, Wuxi Huatong Intelligent Transportation Technology Development Co., Ltd., Beijing Baidu.com Xun Technology Co., Ltd. and AutoNavi Software Co., Ltd. The main drafters of this document are: Sun Zhengliang, Cai Gang, Huang Shubing, Wu Xiaofeng, Shi Yilong, Zhang Xiang, You Donghai, Zhao Beichen, Ge Guangzhao, He Ruihua, Guo Haihui, Li Xiangmin, Zuo Guantao, Guo Chengkun. Road traffic information collection Road traffic safety warning information set

1 Scope

GB/T 44416-2024 defines the information sets for road traffic safety prompts and warnings in China, the structured messages that a traffic management centre issues and that navigation applications, variable message signs and in-vehicle systems consume. The value of a warning depends entirely on it arriving in a form the receiving system can act on: free text reaches a driver as a scrolling line, whereas a coded event with a location, a time window and a severity can be routed, mapped and used for rerouting. The standard sets the classification codes and names of the events, and then the data structure for each class in turn, traffic accidents, road excavation and construction, traffic congestion, adverse weather, road closures and restrictions, hazards and obstructions and the rest, specifying for each the attributes that must be carried, the location referencing, the validity period, the affected direction and lanes and the severity. It took effect on 23 August 2024, and for anyone building navigation or connected vehicle services in China it is the vocabulary of the traffic feed.

This document specifies the classification codes and names, data structure and standardized format of road traffic safety warning information. This document is applicable to the collection of traffic safety warning information on expressways, national, provincial and county roads, urban expressways and general urban roads. and publish.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies. in this document.

GB/T 2260 Administrative division codes of the People's Republic of China GA/T 16.43-2012 Road Traffic Management Information Code Part

43.Traffic Accident Type Classification and Code GA/T 543.1-2011 Public Security Data Element (1) GA/T 543.5-2012 Public Security Data Element (5) GA/T 543.9-2016 Public Security Data Element (9) GA/T 543.10-2016 Public Security Data Element (10) GA/T 946.6 Specification for road traffic management information collection Part

6.Road traffic management auxiliary information collection GA/T 1980-2022 Standard for the description of road traffic accidents and illegal locations

3 Terms and definitions

There are no terms or definitions that require definition in this document.

4 Classification codes and names

Road traffic safety warning information is mainly divided into traffic accidents, road construction, traffic control, accident-prone areas, and severe weather. The classification codes and names of high-impact points and sections, traffic safety potential points and sections, and other events that affect traffic safety should comply with Table 1. Regulation. Table