

ICS 93.080.30
CCS R 87

GA

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

GA/T 2099-2023

**Evaluation indicators for reliability of urban intelligent traffic
management system**

城市智能交通管理系统可靠性评价指标
(English Translation)

Issued on: August 2, 2023

Implemented on: November 1, 2023

Issued by: Ministry of Public Security

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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.

Introduction

Intelligent traffic management system is a typical information application system in smart city construction. In recent years, more than 500 cities across the country have applied the intelligent traffic management system integrating "monitoring, control, law enforcement and service" is developed to build a safe, orderly, smooth and civilized road traffic environment.

The environment played an important supporting role.

In order to break through the common evaluation technology of smart city information application systems and key IoT sensing devices, the Ministry of Science and Technology established the National the quality foundation project "Research on key technologies for smart city information application and experience perception evaluation" has set up the topic "Smart City Information Application System "Research on Common Technologies for Authentication of Smart City Information Systems and Key IoT Sensing Devices", focusing on typical smart city information systems such as traffic management, social security and medical care, and community security the application system conducts research on common evaluation technologies such as reliability, compatibility, sharing, and security.

Carry out research on reliability evaluation technology and standardization.

Based on this, this document relies on the research results of the subject and focuses on the intelligent traffic management system such as data collection, information transmission, and system application.

The key link is to propose technical indicators and evaluation methods for reliability evaluation of urban intelligent traffic management systems, which will be of great significance to further improve the application technology of the system.

It has positive significance to improve the technological level and promote the construction of smart cities.

Reliability evaluation index of urban intelligent traffic management system

1 Scope

This document specifies the indicator system, indicator description and indicator weight for reliability evaluation of urban intelligent transportation management systems.

This document is applicable to the reliability evaluation of urban intelligent traffic management systems.

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 to this document.

GB/T 24726 Traffic information collection video traffic flow detector GB/T 28181 Technical requirements for information transmission, exchange and control of public security video surveillance network systems GB/T 39898 Technical Specification for the Construction of Intelligent Traffic Management System GB/T 39900 General technical requirements for road traffic signal control systems GA/T 496 General technical requirements for automatic red light running recording systems GA/T 497 General technical requirements for intelligent monitoring and recording systems for road vehicles GA/T 994 Specification for the release of road traffic information GA/T 1014 General technical requirements for mobile law enforcement police systems for public security traffic management GA/T 1146 General technical requirements for public security traffic integrated command platform

3 Terms and definitions

The terms and definitions defined in GB/T 39898 and the following apply to this document.

Within the specified time period, the urban intelligent traffic management system achieves

the specified functions in data collection, information transmission and system application ability.

4 Indicator system

4.1

The reliability evaluation index of urban intelligent traffic management system is divided into three evaluation dimensions. data collection, information transmission, and system application.

The price dimension sets 2 to 3 first-level evaluation indicators, and each first-level evaluation indicator sets 2 to 4 second-level evaluation indicators.

4.2

The reliability evaluation index system of urban intelligent traffic management system consists of 7 first-level evaluation indicators and 17 second-level evaluation indicators.

The indicator system should be consistent with Figure 1.