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

GA/T 1049.1-2013

**Communication protocol for integrated road traffic command
platform.Part 1: General**

公安交通集成指挥平台通信协议 第1部分：总则
(English Translation)

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Foreword

GA/T 1049 "Public Security Traffic Integrated Command Platform Communication Agreement" is divided into the following sections.

- Part 1. General;
- Part 2. Traffic signal control systems;
- Part 3. Traffic video surveillance system;
- Part 4. Traffic flow information collection system;
- Part 5. Traffic Illegal Monitoring and Recording System;
- Part 6. Traffic information release system;
- Part 7. Police vehicle and single police positioning system;
- Part 8. Traffic facilities management system;
- Part 9. Traffic incident acquisition system;
- Part 10. Motor vehicle inspection and control system.

This section is part 1 of GA/T 1049.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This part of the Ministry of Public Security Road Traffic Management Standardization Technical Committee proposed and centralized.

This part is responsible for the drafting unit. Ministry of Public Security Traffic Management Science Institute.

This part participates in the drafting unit. Wuxi Huatong Intelligent Transportation Technology Development Co., Ltd., Beijing Yihua Record Information Technology Co., Ltd., Yinjiang co., Ltd.

1 Scope

This part of GA/T 1049 stipulates the basic application system data of public security traffic integrated command platform and public security traffic command system Communication information layer general technical requirements, communication packet structure, communication procedures, general operations and data objects.

This part is applicable to the software design and development of the basic application system of public security traffic integrated command platform and public security traffic command system.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document.

Technical Specification for Construction of Public Security Traffic Command System Terminology and Definitions the definitions and definitions of the following terms and definitions apply to this document in accordance with GA/T 445-2010.

Public transport traffic command system roadtrafficcommandsystem Public security traffic management department on the area of road traffic command, control and service system.

[GA/T 445-2010, definition 3.1] 3.2 Public transport traffic integrated command platform integratedroadtrafficcommandplatform Set road traffic monitoring, decision-making, control and service as one of the command platform.

Basic application system in the public security traffic command system, with a specific function of the subsystem. Including. traffic signal control, traffic video surveillance, traffic flow information Collection, traffic accident monitoring records, traffic information release, police vehicles and single police positioning, traffic facilities management, traffic incident collection, motor vehicle Check the control system.

Data packet datapackage A string of data that is sent or received in a communication protocol and described in Extensible Markup Language (XML).

4 Communication protocol architecture

The structure of the communication protocol of the integrated command platform of public security traffic is shown in Fig.