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

GA/T 1201-2021

**Specifications for satellite positioning technology forensics of
road traffic offences**

道路交通安全违法行为卫星定位技术取证规范
(English Translation)

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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 of Standardization Documents" Drafting.

This document replaces GA/T 1201-2014 "Standards for Obtaining Evidence of Satellite Positioning Technology for Road Traffic Safety Illegal Acts", and is in line with GA/T 1201-Compared with 2014, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- a) The scope has been changed (see Chapter 1, Chapter 1 of the 2014 edition);
- b) Deleted the terms and definitions of "vehicle satellite positioning terminal" (see 3.2 in the 2014 edition);
- c) Added the terms and definitions of "vehicle terminal" (see 3.2);
- d) The terms and definitions of "monitoring platform" have been changed (see 3.3, see 3.3 in the 2014 edition);
- e) The terms and definitions of "driving against the prescribed time" are changed (see 3.4, 3.4 in the 2014 edition);
- f) The terms and definitions of "traveling in violation of the prescribed route" have been changed (see 3.5, 3.5 in the 2014 edition);
- g) Deleted the term and definition of "drowsy driving" (see 3.6 in the 2014 edition);
- h) The terms and definitions of "driving overtime" have been added (see 3.6);
- i) The terms and definitions of "motor vehicle electronic identification" have been added (see 3.7);
- j) The terms and definitions of "Public Security Traffic Integrated Command Platform" have been added (see 3.8);
- k) The "Illegal Acts of Road Traffic Safety Applicable to the Obtaining of Satellite Positioning

Technology Evidence" (see 4.1, 2014 edition of 4.1) has been changed;

l) Deleted the "Technical Requirements for Vehicle-mounted Satellite Positioning Terminals" (see 4.2 in the 2014 edition);

m) Added "Technical Requirements for Vehicle Terminals" (see 4.2);

n) Changed the "Technical Requirements for Monitoring Platform" (see 4.3, 4.3 in the 2014 edition);

o) Changed the "Method of Obtaining Evidence" (see 5.1, 5.1 of the 2014 edition);

p) Changed the "Content of Evidence Collection for Illegal Acts Driving Violating the Regulation Time" (see 5.2, 5.2 of the 2014 edition);

q) Changed the "Content of Evidence Collection for Illegal Acts Driving Violating the Regulations" (see 5.3, 5.3 of the 2014 edition);

r) Deleted "Contents of Evidence Collection of Illegal Acts of Fatigue Driving" (see 5.4 of the 2014 edition);

s) Added "Content of Evidence Collection of Illegal Acts of Overtime Driving" (see 5.4);

t) Deleted the information sharing requirements of the "monitoring platform" (see 6.1 of the 2014 edition);

u) Deleted the information sharing requirement of "Vehicle satellite positioning terminal" (see 6.2 of the 2014 edition);

v) Added "Data Format Requirements" (see 6.1);

w) Added "Information Exchange Requirements" (see 6.2);

x) The content and format of data records have been changed (see Appendix A, Appendix A of the 2014 edition);

y) Added motor vehicle driving data format (see Appendix A);

z) Added the record data format of illegal behavior driving in violation of the specified time (see Appendix A);

aa) Added the record data format of illegal behaviors driving in violation of prescribed routes (see Appendix A);

bb) Added the data format for recording illegal behaviors of overtime driving (see Appendix A);

cc) Added the format of electronic vehicle identification information (see Appendix B).

1 Scope

This document stipulates the requirements for obtaining evidence for road traffic safety violations by using satellite positioning technology.

This document is applicable to the collection of evidence for illegal activities such as driving in violation of the prescribed time, driving in violation of the prescribed route, and driving overtime.

2 Normative references

The content of the following documents constitutes an indispensable clause of this document through normative references in the text. Among them, dated quotations Only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to this document.

GB/T 19056 Car driving recorder GB/T 35789.1-2017 General Specification for Motor Vehicle Marking Part 1: Automobile GA/T 16.4 Road Traffic Management Information Code Part 4: Motor Vehicle Type Code GA/T 16.7 Road Traffic Management Information Code Part 7: Motor Vehicle License Plate Type Code GA/T 16.33 Road Traffic Management Information Code Part 33: Code Rules for Traffic Illegal Locations ISO 8859-1 Information technology 8-bit single-byte coded graphic character set Part 1: Latin alphabet No. 1 (Information processing-8-bit single-byte coded graphic character sets-Part 1: Latin alphabet No.1)

3 Terms and definitions

The following terms and definitions apply to this document.

Satellite positioning technology forensics Use satellite positioning technology to record motor vehicle driving status data and extract evidence of motor vehicle traffic violations.

On-board terminal

Installed on a motor vehicle, it has the function of satellite positioning and real-time recording of the driving data such as the driving time and location of the motor vehicle.

Note: The vehicle-mounted terminal includes a driving recorder with a satellite positioning function and a satellite positioning device with a driving record function.

Monitoring platform Record and process the software and hardware systems of the vehicle's travel time, location, speed and other data uploaded by the vehicle-mounted terminal.

Driving in violation of set time Passenger cars, dangerous goods transportation vehicles, over-limit motor vehicles carrying indissoluble items on highways, etc., roads that do not

drive in accordance with the prescribed time Traffic safety violations.