

ICS 93.080.99
CCS P 51

GA

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

GA/T 652-2017

**General requirements for construction of field equipment
infrastructure for public security traffic management
(English Translation)**

Issued on: April 26, 2017

Implemented on: May 1, 2017

Issued by: Ministry of Public Security

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces GA/T 652-2006 "public security traffic control field equipment basic construction requirements." With GA/T 652-2006 in addition to editorial changes, the main technical changes are as follows.

- Modify the normative references (see Chapter 2, 2006 edition Chapter 2);
- Added public security traffic management outfield equipment infrastructure terms (see 3.1);
- Remove the device chassis terms (see 2006 version 3.3);
- Removed the term rod (see 2006 version 3.4);
- Removed the terms of the detector coil (see 2006 version 3.6);
- Removed the term grounding (see 2006 version 3.7);
- Modify the requirements for the laying of underground pipelines across motor vehicle lanes (see 4.1.1, 2006 edition 4.1.1);
- Modify the requirements for the laying of underground pipelines under non-motorized lanes, sidewalks or greenbelts (see 4.1.2, 2006 edition 4.1.2);
- Increased buried along the wall pipe (see 4.1.3);
- Modify the construction requirements of manhole (see 4.2, 2006 version 4.2);
- Remove the basic requirements of the chassis (see 2006 version 4.3.1);
- Modify the chassis installation requirements (see 4.3.3);

- Remove the basic requirements of the rod (see 2006 version 4.4.1);
- Modify the basic requirements of the rod (see 4.5.1, 2006 edition 4.5.1);
- Modify the requirements of the independent equipment chassis base (see 4.5.2, 2006 version 4.5.2);
- Revised ring coil requirements (see 4.6, 2006 version 4.6);
- Increased geomagnetic requirements (see 4.7);
- Modify the cable laying requirements (see 4.8, 2006 version 4.7);
- Modify the requirements of the rod grounding (see 4.9.1, 2006 version 4.8.1);
- Modify the equipment chassis grounding requirements (see 4.9.2, 2006 version 4.8.2);
- Increased lightning protection requirements (see 4.10);
- Increased quality records (see 4.11);
- Modify the reference (see references, 2006 edition of the reference);
- Added information appendix (see Appendix A).

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

1 Scope

This standard specifies the general requirements for the construction of infrastructure for public security traffic management outfield equipment.

This standard applies to all kinds of public security traffic control field equipment infrastructure construction.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

Code for design of concrete structures GB 50010-2010 Specification for Construction and Acceptance of Cables for Installation of Electrical Installations Specification for Construction and Acceptance of Grounding Devices for Installation of Electrical Installations Building electrical engineering construction quality acceptance specification YD5121-2010 Communication Line Project Acceptance Specification

3 Terms and definitions

The following terms and definitions apply to this document.

Public security traffic control field equipment infrastructure
Public security traffic control field equipment infrastructure refers to the infrastructure that bears public security traffic management outfield equipment or provides safe and normal operation support to it, including pipes, wells, equipment chassis or rod foundation, rod, loop coil, magnetometer, cable, lightning protection and grounding.

Depth of depth

The distance from the top of the pipe to the road.

Manhole handhole

A covered operator's hand in a piping system or near a facility that is convenient for laying cables.

Foundation Underground structures used to support surface equipment or fittings.

4.1.1.1 Pipe

Should adopt galvanized steel or high-density polyethylene pipe and other high-strength pipe, nominal diameter should be greater than or equal to 75mm. Galvanized steel