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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GA/T 870-2017

Technical specifications for acceptance of automatic recording system for vehicles violating traffic signals

闯红灯自动记录系统验收技术规范

(English Translation)

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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 870-2010 "Technical Specifications for Acceptance of Red Light Automatic Recording Systems". Compared with GA/T 870-2010, in addition to editorial changes, the main technical changes are as follows.

--- Revised "terms and definitions" (see Chapter 3, Chapter 3 of the 2010 edition);

--- Modify the "acceptance conditions" (see 4.1, 2010 version of Chapter 4);

--- Modified "Acceptance Organization" (see 4.3, 2010 edition of Chapter 5);

--- Modified "red light recording function" (see 5.1.2, 2010 version 6.1.2);

--- Added "Driver facial features recording function" (see 5.1.5);

--- Added "extended functionality" (see 5.1.6);

--- Modified "information" (see 5.2.2, 2010 version 6.2.2);

--- Revised the "brand, model and quantity" (see 5.3.1, 2010 version 6.3.1);

--- Modify the "engineering quality inspection" (see 5.4, 2010 version 6.4);

--- Modified "sampling" (see Chapter 6, Chapter 7 of the 2010 edition);

--- Revised "Appendix A" (see Appendix A, Appendix A of the 2010 Edition).

This standard is proposed by the Ministry of Public Security Traffic Management Research

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Institute.

This standard is under the jurisdiction of the Standardization Technical Committee on Road Traffic Management of the Ministry of Public Security.

1 Scope

This standard stipulates the acceptance preparation, acceptance items and methods for the acceptance of the red-light automatic recording system.

This standard is applicable to the inspection and acceptance of the functions, software, hardware, and project quality of the newly-built and rebuilt red-light automatic recording system.

2 Normative references

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

GB 50348-2004 safety precaution engineering technical specifications GA 16.31 Road Traffic Management Information Code - Part 31. Traffic Illegal Classification and Code GA/T 496-2014 Red Light Automatic Recording System General Specifications GA/T 543 (all parts) Public Security Data Element GA/T 832 Technical Specifications for Image Forensics for Road Traffic Safety Illegal Acts

3 Terms and Definitions

The terms and definitions defined by GA/T 496-2014 and the following apply to this document.

Red light automatic recording system acceptance acceptanceofautomaticrecordingsystemforvehiclesviolatingtraffic Signals After the installation, commissioning and trial operation of the red light automatic recording system, the compliance of the functional performance, hardware and software, and project quality are given.

assessment.

System Functional Inspection inspectiononsystemfunctions in accordance with the corresponding technical standards, the red light recording function of the red light automatic recording system, red light record anti-jamming, red light capture Compliance checks such as rate and record efficiency.

System software inspection inspectiononsystemsoftware in accordance with the corresponding technical standards, the red light automatically records the system's red light

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pictures, information and other compliance checks.

System Hardware Inspection inspectiononsystemhardware in accordance with the corresponding documents such as contracts, bids, test reports, etc., the model, quantity, and diagram of the main components of the automatic recording system for the red light Compliance checks such as the acquisition unit type, pixel, and frame rate.

Engineering quality inspection inspectiononengineeringquality According to the technical standards, bids, contracts and other relevant documents, the red lights automatic recording system of electrical components, installation and construction quality, etc.

Compliance check.

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