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GA

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

GA/T 2103.2-2023

**Graphic comparison application of easy-to-manufacture guns -
Part 2: Data item**

易制枪物品图形比对应用 第2部分：数据项
(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 for standardization documents" Drafting:

This document is part 2 of GA/T 2103 "Application of Graphic Comparison of Articles Easily Made into Guns": GA/T 2103 has been published in the following parts:

- Part 1: General technical requirements;
- Part 2: Data items;
- Part 3: Interface specification:

Introduction

In order to strengthen the control of firearms and ammunition, effectively maintain social security and order, and strictly prevent the illegal acquisition and use of firearms and their parts and components from causing harm, the public the security agency organized relevant units to develop an intelligent analysis application for guns and their parts, namely an image comparison application for easy-to-make gun items:

Using technologies such as image analysis, image comparison, artificial intelligence, and deep learning, we can automatically identify guns and their parts that have passed security inspections, and other items that are easy to make guns:

And effectively solve the problem of identification and early warning of guns and their components:

In view of this, GA/T 1399 (all parts), GA/T 1400 (all parts) and other standards for video image comparison and recognition, service management standards this document has been developed based on the standards, combined with the business management needs of easy-to-make gun items, and in accordance with the requirements for sharing data in the application of easy-to-make gun graphic comparison:

Considering that GA/T 2103 includes application composition, edge computing unit, analysis unit, service platform, application performance, application deployment framework, the content of the standard is too long, and different contents are aimed at different users: In order to improve the use of the standard Solution efficiency, GA/T 2103 is proposed to consist of three parts:

--- Part 1: General technical requirements: The purpose is to clarify the definition, function, performance and deployment of the image comparison application of easy-to-make gun items the requirements of the architecture, etc:

--- Part 2: Data items: The purpose is to clarify the data items that need to be exchanged and shared when the image comparison application of easy-to-make gun items provides services:

requirements:

--- Part 3: Interface specification: The purpose is to clarify the exchange and sharing of data when the image comparison application of easy-to-make gun items provides services Interface requirements:

This document defines the unified numbering description of the data that can be shared by multiple businesses in the application of easy-to-make gun items graphic comparison:

Application of police-related business data:

Application of graphic comparison of items that are easy to make guns Part 2: Data items

1 Scope

This document specifies the data items used to describe the application of pattern comparison of firearms-related items:

This document is applicable to data exchange in the application of graphic comparison of easy-to-make gun items:

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:

GA/T 543 (all parts) Public Security Data Elements GA/T 1054 (all parts) Public Security Data Element Qualifiers

3 Terms, definitions and abbreviations

3.1

Terms and Definitions There are no terms or definitions that require definition in this document:

3.2

Abbreviations

The following abbreviations apply to this document:

IP: Internet Protocol 4: Disclaimer

4.1 The internal identifiers and identifiers of data elements used in this document comply with the provisions of GA/T 543 (all parts):

Internal identifiers and identifiers shall comply with the provisions of GA/T 1054 (all parts):

4.2 The public security data elements used in this document are listed in Appendix A, and the public security data element qualifiers are listed in Appendix B:

5 Data items

5.1

Edge computing unit information the edge computing unit information data items shall comply with the provisions of Table 1: