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

GA/T 1400.3-2017

**Video and image information application system for public
security-Part 3: Technical requirements for database
(English Translation)**

Issued on: May 31, 2017

Implemented on: May 31, 2017

Issued by: Ministry of Public Security

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Foreword

The GA/T 1400 Public Security Video and Image Information Application System is divided into four parts.

- Part 1. General technical requirements;
- Part 2. Application Platform Technical Requirements;
- Part 3. Database technical requirements;
- Part 4. Interface protocol requirements.

This section is Part 3 of the GA/T 1400.

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

The relevant contents of this section replaces Chapter 4 and Appendix D of GA/Z1129-2013. Compared with GA/Z1129-2013, except editing the main technical changes outside the sexual modification are as follows.

---Modified the description of structured information for video clips, images, people, faces, vehicles, non-motor vehicles, items, scenes, video events Requirements (see Appendix A.5, A.6, A.8, A.9, A.10, A.11, A.12, A.13, A.14, see GA/Z1129-2013 Chapter 4).

1 Scope

This section specifies the technical requirements for the composition, storage object, function, performance, and security of the public security video image information database.

This section applies to planning, designing, software development, deployment implementation, inspection and acceptance, and operation and maintenance of the public security video image information database.

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/T 2260 People's Republic of China Administrative Division Code GB/T 2659 Names of

countries and regions in the world GB/T 3304 roman alphabetic spellings and codes for Chinese national names GB/T 6565 occupational classification and code GB/T 7408-2005 Information Element and Exchange Format Information Exchange Date and Time Representation GB/T 28181-2016 Technical requirements for information transmission, exchange and control of public safety video surveillance networking systems GA/T 16.3 Road Traffic Management Information Code Part 3. Code of Use of Motor Vehicles GA/T 16.4 Road Traffic Management Information Code Part 4. Vehicle Type Codes GA/T 16.55 Road Traffic Management Information Code Part 55. Vehicle Status Codes GA/T 16.76 Road Traffic Management Information Code Part 76. Road Lighting Condition Codes GA/T 16.77 Road Traffic Management Information Code Part 77. Road Pavement Condition Codes GA/T 16.79 Road Traffic Management Information Code Part 79. Road Type Code GA/T 16.81 Road Traffic Management Information Code Part 81. Road alignment codes GA/T 16.82 Road Traffic Management Information Code Part 82. Road Pavement Type Codes GA/T 16.83 Road Traffic Management Information Code Part 83. Road Junction/Segment Type Code GA 17.8 Road traffic accident site information code Part 8. Weather condition codes GA 240.2 Criminal Information Management Code Part 2. Expertise Code GA 240.5 Criminal Offence Information Management Code Part 5. Selecting Location Category and Code GA 240.6 Criminal Crimes Information Management Code Part 6. Selecting Object Categories and Codes GA 240.8 Criminal Offence Information Management Code - Part 8. Classification and Code of Crime Features GA 240.10 Criminal Offence Information Management Code Part 10. Item Categories and Codes GA 240.24 Criminal Offence Information Management Code Part 24. Physical Characteristics Classification and Code GA 240.27 Criminal Crimes Information Management Code - Part 27. Guns, Ammunition Classifications and Codes GA 240.42 Criminal Crime Information Management Code Part 42. Tool Mark Classification and Code GA 240.43 Criminal Offence Information Management Code - Part 43. Vehicle Tire Trace Analysis and Code GA 240.56 Criminal Crimes Information Management Code Part 56. Escape Personnel Information Numbering Rule GA 240.57 Criminal Offense Information Management Code - Part 57. Chinese Accent Encoding Rules GA 300.6 Caretaker Personnel Information Management Code Part 6. Special ID Codes GA 300.9 Detention Personnel Information Management Code Part 9. Member Type Codes GA 300.22 Detainee Information Management Code - Part 22. Regulatory Unit Centralized Category Code GA 300.23 Caretaker Information Information Code - Part 23. Supervisor Type Code GA/T 380 Institutional Code Compilation Rules for National Public Security Organs GA/T 543 Public Security Data Element GA/T 693.2 case (event) site inspection information classification and code Part 2. On-site wind direction code GA/T 693.5 case (event) site investigation information classification and code part 5. physical evidence classification and code GA/T 693.6 case (event) site inspection information classification and code part 6. physical form code GA/T 693.12 case (event) site investigation information classification and code part 12. classification and code of corpse status GA/T 669.1 City Monitoring and Alarming Networking System Technical Standards Part 1. General Technical Requirements GA/T

669.2 City Monitoring and Alarming Networking System Technical Standard Part 2. Safety Technical Requirements GA/T 669.7 Technical Standards for Urban Monitoring and Alarming Networking Systems Part 7. Technical Requirements for Management Platforms GA/T 704.13 Immigration Control Information Code - Part 13. Immigration personnel classification code GA/T 726.10 Anti-Terrorism Information Management Code Part 10. Terrorist/Terrorism Organization Numbering Rules GA/T 1090 Weather Conditions Categories & Codes GA/T 1399.1 Public Security Video Image Analysis System Part 1. General Technical Requirements GA/T 1400.1 Public Security Video and Image Information Application System Part 1. General Technical Requirements GA/T 1400.4 Public Security Video and Image Information Application System Part 4. Interface Agreement Requirements GA/T 2000.156-2016 Public Information Code Part 156. Common ID Codes IETF RFC 2616 Hypertext Transfer Protocol HTTP/1.1 (HypertextTransferProtocol-HTTP/1.1) IETF RFC 2617 HTTP Authentication. Basic and Digest Access Authentication (HTTP authentication. basicanddigest Accessauthentication) IETF RFC 5905 Network Time Protocol Version 4. Protocol and Algorithm Specifications (NetworkTimeProtocolVersion4. ProtocolandAlgorithmsSpecification)

3.1 Terms and Definitions

The terms and definitions defined in GB/T 28181-2016, GA/T 669.1, GA/T 669.7, GA/T 1399.1 and GA/T 1400.1 Meaning applies to this document.

3.2 Abbreviations

The following abbreviations apply to this document.

APE. Acquisition Equipment (Acquisition APS. Acquisition System (Acquisition BMP. Bitmap file CRUD. Create, Retrieve, Update, and Delete (Create, Retrieve, Update and Delete) CUD. Create, Update, and Delete (Create, Update and Delete) HTTP. HyperText Transfer Protocol (HyperTextTransferProtocol) HTTPS. Secure Hypertext Transfer Protocol (HyperTextTransferProtocoloverSecureSocketLayer) IP. Internet Protocol (Internet Protocol) JPEG. Joint Photographic Experts Group JSON. Object Markup Language (JavaScriptObjectNotation) MPEG. Moving Picture Experts Group (Moving Picture Experts Group) NTP. Network Time Protocol (Network Time Protocol) PNG. Portable Network Graphics (PortableNetworkGraphics) REST. Representational State Transfer SVAC. Security Surveillance Digital Video & Audio Coding (SurveillanceVideoandAudioCoding) URI. Universal Resource Identifier URL. Uniform Resource Locator VIID. VideoandImageInformationDatabase XML. Extensible Markup Language

4.1 Public Security Video Image Information Database Functional Structure