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

GA/T 627-2006

**Specification for data collecting and updating of police
geographic information system
(English Translation)**

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Foreword

This standard was proposed by the Information and Communication Bureau of the Ministry of Public Security.

This standard is under the jurisdiction of the Computer and Information Processing Standardization Technical Committee of the Ministry of Public Security.

1 Scope

This standard specifies the technical specifications for the collection and update of urban police geographic information data.

This standard applies to the construction, application and management of police geographic information systems for urban public security organs.

2 Normative references

The terms in the following documents become the terms of this standard by reference to this standard. All dated references, followed by all Modifications (not including errata content) or revisions do not apply to this standard, however, parties to agreements based on this standard are encouraged to study if it is possible to use the latest version of these files? For undated references, the latest edition applies to this standard.

GB/T 17160 1.500, 1.1000, 1.2000 topographical digitization specification GA/T 491 Police Geographic Information Classification and Code

3 Data collection update content

The data collection and update content includes urban police geographic information spatial data and attribute data, which are classified into police bases according to GA/T 491.

Information, police public geographic information, business-specific geographic information.

4 Data acquisition update technology

In addition to traditional acquisition and update technologies such as field measurement, scan vectorization, and aerial image acquisition, data acquisition and update can be used for information survey.

And collection, information extraction, map annotation, geographic correlation comparison, and other collection and update technologies that meet the characteristics of public security services.

4.1 Field measurement

For police basic geographic information and police public geographic information that need to achieve measurement level accuracy, it can be measured by field measurement (such as total station, GPS measurement, etc.). For specific methods, please refer to CJJ8, GB 7931, GB/T 18314.

4.2 Scan vectorization

For data plotted on a paper map, scan vectorization can be performed with reference to GB/T 17160.

4.3 Airborne film acquisition

For police geographic information that requires one-time, large-area update, data processing and information can be processed through aerial photography and satellite remote sensing technology.

Information extraction and update. For specific methods, refer to GB 7931, CH/T 1006.

4.4 Information Census and Entry

For the information such as the house number and the iconic point for the service information reference positioning, it is necessary to collect the information in the initial stage of mass collection.

The business unit formulates uniform rules and organizes the census entry.

4.5 Information Extraction

Information about sports venues, hotels, and other places that are relatively fixed can be extracted from basic geographic information, and business units are using in this layer, you can add the attribute data items required by your organization according to your business needs.

4.6 Map labeling

For people, cases, dynamic information, etc., which have fast changes and high real-time requirements, Web mode, desktop client mode, and no information can be used.

The map annotation method such as line mode performs real-time data acquisition and update.

4.6.1 WEB mode

The user logs in to the unified system through the browser to mark the corresponding map data. Web-based online collection is based on point data.

Line and surface are supplemented.