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

GA/T 1712-2019

**Information security technology - Security technical
requirements for remote terminal unit(RTU) for security data
acquisition**

信息安全技术 安全采集远程终端单元(RTU)安全技术要求
(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 was proposed by the Cyber Security Bureau of the Ministry of Public Security:

This standard is under the jurisdiction of the Information System Security Standardization Technical Committee of the Ministry of Public Security:

Drafting organizations of this standard: Computer Information System Safety Product Quality Supervision and Inspection Center of the Ministry of Public Security (the Third Research Institute of the Ministry of Public Security), the Ministry of Public Security Cyber Security Bureau:

1 Scope

This standard specifies the safety function requirements, safety assurance requirements and classification of remote terminal unit (RTU) products for safe collection Claim:

This standard applies to the design, development and testing of remote terminal unit (RTU) products for safe collection:

2 Normative references

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

GB/T 18336.3-2015 Information Technology Security Technology Information Technology Security Assessment Criteria Part 3: Security Assurance Components GB/T 25069-2010 Information Security Technical Terms

3 Terms and definitions

The following terms and definitions defined in GB/T 18336.3-2015 and GB/T 25069-2010 apply to this document:

Master terminal unit; MTU Generally deployed in the dispatch control center, it is mainly used for information collection and monitoring of the production process, and maintains communication with RTU through the network:

Remote terminal unit; RTU A collective term for all types of equipment installed in remote industrial production sites to monitor and control remote industrial production equipment:

Remoteterminalunitforsecuritydataacquisition RTU with built-in security module realizes

end-to-end secure communication between data collection and MTU:

4 Abbreviations

The following abbreviations apply to this document:

MTU: Master Terminal Unit (MasterTerminalUnit) NTP: Network Time Protocol
(NetworkTimeProtocol) PTP: Precision Clock Synchronization Protocol
(PrecisionTimeProtocol) RTU: Remote Terminal Unit (RemoteTerminalUnit)