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PEOPLE'S REPUBLIC OF CHINA**

MH/T 0051-2015

**Implementation guide to information system security classified
protection of civil aviation
(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 Department of Personnel, Science and Education, Civil Aviation Administration of China.

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This standard is under the jurisdiction of the China Academy of Civil Aviation Science and Technology.

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Guidelines for the Implementation of the Security Level Protection of Civil Aviation Information System

1 Scope

This standard specifies the objects and objectives of the security level protection of civil aviation information systems, and defines the security of civil aviation information systems, etc.

The implementation process of level protection, the various roles and responsibilities involved, as well as the main tasks and work processes of each stage of level protection implementation.

This standard applies to the security level protection of civil aviation information systems.

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. For undated references, the latest version (including all amendments) applies to this document.

GB/T 22239 Information system security level protection basic requirements
GB/T 22240 Guidelines for the Classification of Information System Security Protection Levels
GB/T 28448 Information Security Technology Information System Security Level Protection Evaluation Requirements

3 Terms and definitions

Network and information security Information security in information interaction activities that rely on the network, as well as the security and reliability of the network and the information system itself, especially the network and the confidentiality, integrity and availability of the information system, as well as the authenticity, verifiability, non-repudiation and reliability of the information.

[MH/T 0035-2012, definition 3.1] 3.2 Important network and information system of civil aviation Civil aviation networks and information systems with security protection levels above level two, including civil aviation administrative agencies at all levels, directly affiliated units, and civil aviation Use the basic network and core business system of air transportation airports, airlines, air traffic control departments and air transportation support units.

[MH/T 0035-2012, definition 3.4] 3.3 Classified security protection in accordance with the requirements of the information system security protection level, the security protection, technical guarantee and security management of the network and information system are implemented.

Target of classified security the specific network and information system directly affected by the information security level protection work.

Classified security testing and evaluation the process of determining whether the information system security protection capability meets the basic requirements of the corresponding level.

[GB/T 25058-2010, definition 3.1]

4.1 Hierarchical protection objects

The objects of civil aviation information system security level protection are civil aviation networks and information systems.

4.2 Security level protection goals

The goal of security level protection is to divide the security levels of important civil aviation networks and information systems in accordance with the security levels in this standard.

Full-level protection requires planning, construction, operation and maintenance, management and supervision to strengthen the security protection capabilities of civil aviation information systems and ensure that Ensure its safety and reliability.

5 Information system security level protection implementation process

See Figure 1 for the overall flow of information system security level protection implementation, and refer to Appendix A for the activity flow of each stage of security level protection implementation.

The main tasks of each stage should include.

a) Information system rating. All civil aviation enterprises and institutions shall identify the scope of the information system and conduct information System analysis and determination of information system security protection level;

b) Information system grade filing. All civil aviation enterprises and institutions should sort out the grade protection reports and filing forms of information systems that need to be filed.

Form complete filing materials and go through filing procedures;

c) Security planning and design. All civil aviation enterprises and institutions shall, in accordance with the basic requirements of the Overall planning and design of safety protection measures;

d) Safe construction and implementation. All civil aviation enterprises and institutions should select and use the plan in accordance with relevant national regulations based on the approved plan.

Information technology products that meet the requirements of information system security protection levels, and carry out information system security construction and implementation;

e) Security level evaluation. All civil aviation enterprises and institutions should select qualified information security service agencies, according to GB/T 28448 Periodically carry out system security level evaluation and risk assessment on the status of information system security level;

f) System construction and rectification. After the completion of the system evaluation and risk assessment, the system should be rectified and modified according to the content of the report.

Fully reinforced, improve the security protection measures of the information system;

g) Safe operation and management. During the operation period, the system shall be properly operated, changed, and monitored safely in accordance with the requirements of level protection.

Work related to security incident handling, security audits and inspections;