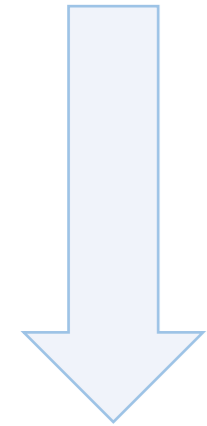


Overview of Cybersecurity Landscape for Industrie 4.0

Policy Landscape | November 2021

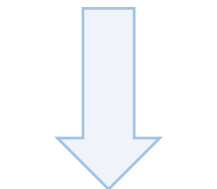
Central Authorities



Administrative Regulations (State Council)



Sectoral Regulatory Implementation (Ministries and Commissions)



Technical Guidelines, Standards and Implementation (other institutions)



The Communist Party of China (CPC)

The party leads the legislative body in the enactment of the law and the enforcement agencies in the implementation of the law

Standing Committee of the National People's Congress

Enacts laws; Supervises work related to law implementation; Promotes the comprehensive and effective implementation of the law through law enforcement inspections

Central Cyberspace Affairs Commission

State Council

The State Council is the highest administrative entity of China and not an organisation of the CPC.

National Security Commission of the Communist Party of China

Office of the Central Cyberspace Affairs Commission

Cyberspace Administration of China

The Office of the Central Cyberspace Affairs Commission, which was established in March 2018, is an administrative office of the Cyberspace Administration of China and is directly affiliated to the Central Committee of the Communist Party of China.
The Cyberspace Administration of China, which was established in May 2011, is an administrative office of the State Council.
According to the Circular of the State Council on the Setup of Institutions issued by the State Council in March 2018, the Cyberspace Administration of China and the Office of the Central Cyberspace Affairs Commission are the same institution in fact but are hung with two different signboards. These two departments are listed as bodies directly affiliated to the Central Committee of the Communist Party of China.

National Security Commission of the Communist Party of China, which was established in November 2011, is an affiliate of the Central Committee of the Communist Party of China.
As a decision-making, counsel and coordination institution of the Central Committee of the Communist Party of China on national security, the National Security Commission of the Communist Party of China is responsible to the Political Bureau of the Communist Party of China and the Standing Committee of the Political Bureau of the Communist Party of China, and is responsible for coordinating major matters and key work regarding national security.

Coordinates cybersecurity work and related supervisory, management and evaluation tasks

Leads to establish a cybersecurity review working mechanism of the country

Supervises and manages network information security

Coordinates the establishment of cybersecurity risk assessments and emergency work mechanisms, formulates contingency plans for cybersecurity incidences

Organizes national security reviews of network products and services

Develops and publishes a catalogue for critical network equipment and special network security products

Coordinates the collection, analysis and notification of cybersecurity information

Coordinates network data security protection and related supervision and administration tasks; Coordinates the security assessment of cross-border data transfers

Coordinates personal information protection and related supervision and administration tasks; Coordinates the security assessment of cross-border personal information transfers

Coordinates the security protection of critical information infrastructure

Coordinates safety assessment for internet information services capable of creating public opinions or social mobilization

Establishes a long-term mechanism of departmental coordination, performs regulatory responsibilities and jointly carries out algorithm security governance with other departments

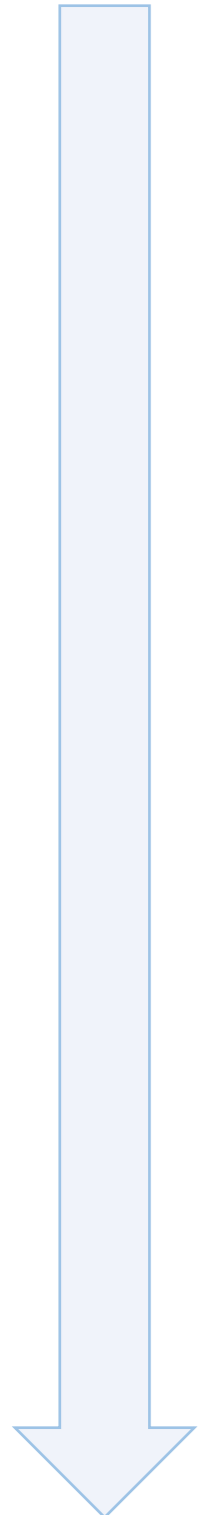
Is responsible for the decision-making, deliberation and coordination in respect of data security work, and for researching, formulating, and guiding the implementation of national data security strategies and related significant guidelines and policies

Coordinates major matters and key work regarding national data security and establishes a national data security coordination mechanism.

Coordinates relevant departments in formulating the catalogues for important data and strengthening the protection of important data

Coordinates relevant departments in strengthening their work in the collection, analysis, determination, and early warning of the data security risk information

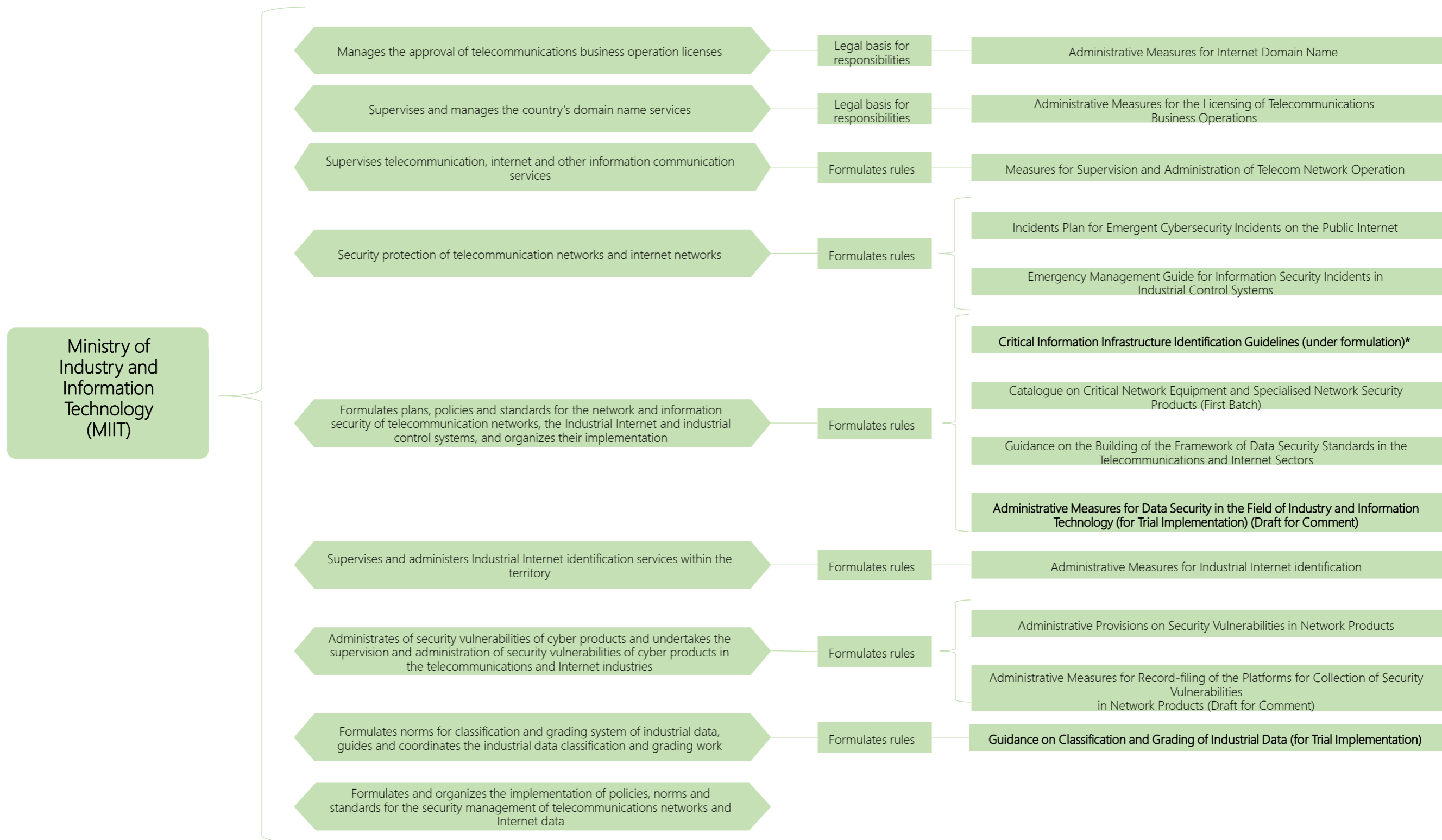
Central Authorities





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* Regulations with relevance for cross-border data transfer, critical infrastructure, personal data, and industrial/important data are highlighted in bold





National
Information
Security
Standardization
Technical
Committee/
TC260

Develops national and industry standards
about cybersecurity (including network
products and services), data protection and
personal information protection

Information security technology - Implementation guide for classified protection of cybersecurity

Information security technology - Classification guide for classified protection of cybersecurity

Information security technology - Testing and evaluation process guide for classified protection of cybersecurity

Information security technology - Testing and evaluation technical guide for classified cybersecurity protection

Information security technology - Technical requirements of security design for classified protection of cybersecurity

Information security technology - Baseline for classified protection of cybersecurity

Information security technology - General security requirements of network products and services

Information security technology - General requirements for security of Internet information services

Information security technology - Guide to security inspection and evaluation of critical information infrastructure (Draft for Comment)

Information security technology - Indicator system of critical information infrastructure security assurance (Draft for Comment)

Information security technology - Basic requirements for cybersecurity protection of critical information infrastructure (Draft for Comment)

Information security technology - Security controls of critical information infrastructure (Draft for Comment)

Information security technology - Method of boundary identification for critical information infrastructure (Draft for Comment)

Information security technology - The evaluation method for security protection capability of critical information infrastructure (Draft for Comment)

Information security technology - Specification for cybersecurity vulnerability management

Information security technology - Guidelines for categorization and classification of cybersecurity vulnerability

Information security technology - Guide for cybersecurity incident emergency exercises

Information security technology - Risk assessment specification for information security (Draft for Comment)

Information security technology - Guidelines for information security risk management (Draft for Comment)

Information security technology - The assessment method for security capability of cloud computing service

Information security technology - Cyber-data process security specification (Draft for Comment)

Information security technology - Security requirements for data transaction services

Information security technology - Big data security management guide

Information security technology - Security capability requirements for big data services

Information security technology - Data security capability maturity model

Information security technology - Guidelines for data cross-border transfer security assessment (Draft for Comment)

Information security technology - Identification guide of key data (Draft for Comment)

Information security technology - Personal information security specification

Information security technology - Guideline for personal information protection within information system for public and commercial services

Information security technology - Guide for de-identifying personal information

Information security technology - Guidance for personal information security impact assessment

Information security technology - Guidelines for personal information notices and consent (Draft for Comment)

Information security technology - Guidelines for Personal information security engineering (Draft for Comment)

Information Security Technology - Guideline for Personal Information Cross-Border Transfer Security Assessment (Draft for Comment)



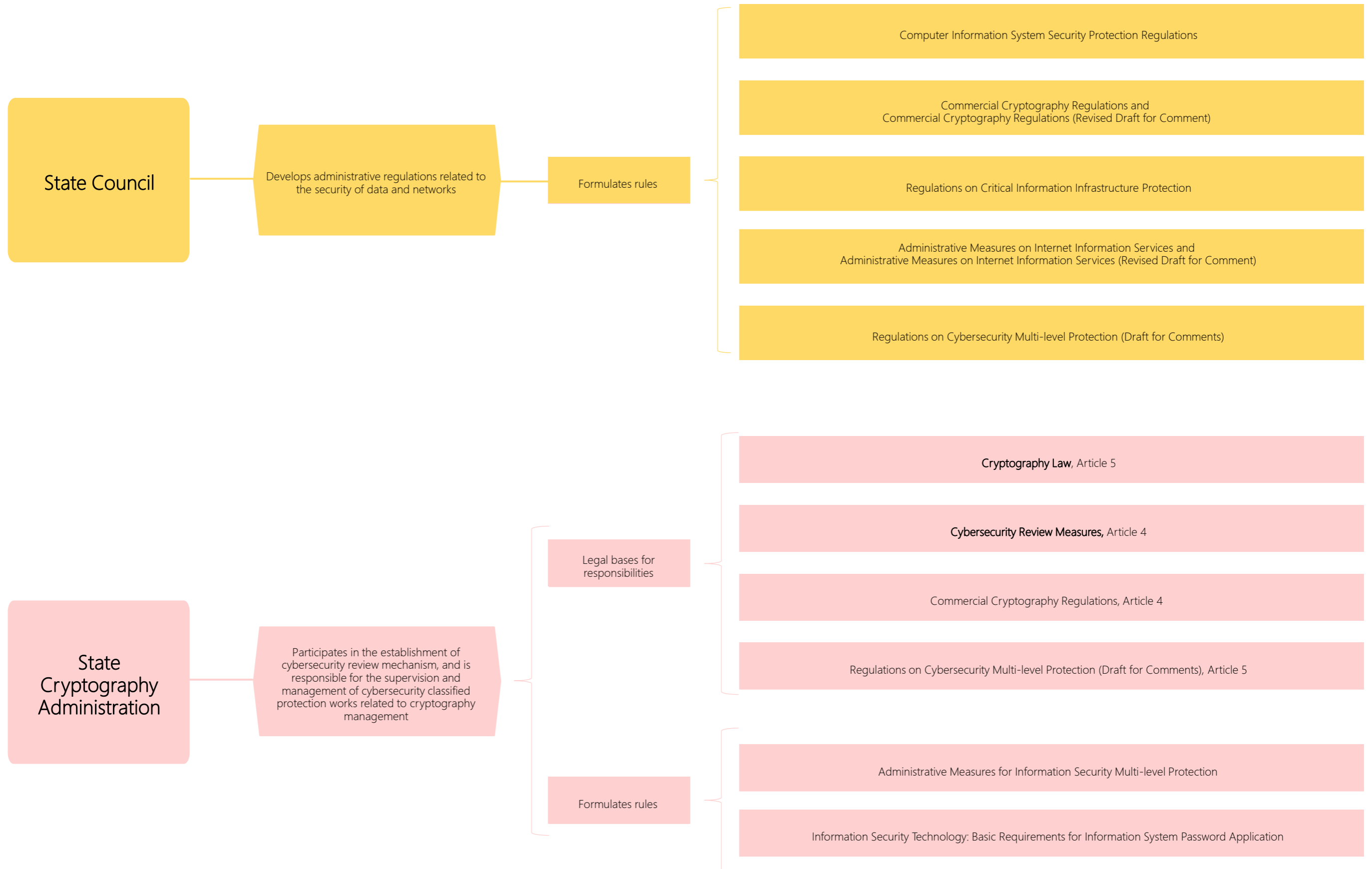


Table 1: Abbreviations

缩写	中文名称	英文名称
NSC	中共中央国家安全委员会	National Security Commission of the Communist Party of China
MIIT	中华人民共和国工业和信息化部	Ministry of Industry and Information Technology
CAC	中共中央网络安全和信息化委员会办公室	Cyberspace Administration of China
MPS	中华人民共和国公安部	Ministry of Public Security
SAC	中华人民共和国国家标准化管理委员会	Standardization Administration of the People's Republic of China
CNCA	中国国家认证认可监督管理委员会	Certification and Accreditation Administration of the People's Republic of China
SAC/TC124	全国工业过程测量控制和自动化标准化技术委员会	National TC124 on Industrial Process Measurement, Control and Automation of SAC
TC260	全国信息安全标准化技术委员会	National Information Security Standardization Technical Committee
ISCCC	中国信息安全认证中心	China Information Security Certification Center
CAICT	中国信息通信研究院	China Academy of Information and Communications Technology

Table 2: Glossary

中文术语词汇	英文术语词汇
国家安全审查	national security review
网络安全审查	cybersecurity review
网络安全事件	network security incident
等级保护测评	classified security testing and evaluation
关键信息基础设施	critical information infrastructure
网络产品和服务提供者	network products and services provider
网络关键设备和网络安全专用产品	critical network equipment and special network security products
数据出境	cross-border data transfer
国家核心数据	core data of the state
重要数据	important data
数据安全风险评估	data security risk assessment
数据出境安全评估	security assessment of cross-border data transfer
个人信息	personal information
敏感个人信息	sensitive personal information
个人信息安全影响评估	personal information security impact assessment



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