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# GB/T 32920-2023

# Information security technology - Information security management for inter-sector and inter-organizational communications

信息安全技术 行业间和组织间通信的信息安全管理

**Issued on: May 23, 2023** **Implemented on: December 1, 2023**

**Issued by: State Administration for Market Regulation;**
**Standardization Administration of the PRC**

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## Foreword

This document is in accordance with the provisions of GB/T 1:1-2020 "Guidelines for Standardization Work Part 1: Structure and Drafting Rules for Standardization Documents" drafting: This document replaces GB/T 32920-2016 "Information security management for information technology security technology inter-industry and inter-organizational communication Compared with GB/T 32920-2016, the main technical changes are as follows:

a) The Implementation Guidance for Business Continuity Risk Assessments for Members of the Information Sharing Community in Business Continuity and Risk Management was removed (see 4:1 of the:2016 edition);

b) Added a description of trust in information sharing groups (see 4:2);

c) In the management of information sharing groups, different legal or regulatory environments are added when considering differences among member organizations (see 4:3);



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d) Deleted the description of conformity assessment (see 4:6 of the:2016 edition);

e) Added a description of grading by priority (see 8:2:1);

f) "Information Classification" is changed to "Information Classification" (see 8:2:1, 7:2 of the:2016 edition): This document is equivalent to ISO /IEC 27010:2015 "Information security management for information technology security technology inter-industry and inter-organizational communication": reason": The following minimal editorial changes have been made to this document:

---In order to be consistent with my country's technical standard system, the name of the standard is changed to "Information Security Technology for Inter-industry and Inter-Organization Communication Information Security Total Management": Please note that some contents of this document may refer to patents: The issuing agency of this document assumes no responsibility for identifying patents: This document is proposed and managed by the National Information Security Standardization Technical Committee (SAC/TC260): This document was drafted by: Shandong Institute of Standardization, China Network Security Review Technology and Certification Center, Chongqing Digital City Technology Co:, Ltd: Co:, Ltd:, Shandong Shuguang Information Technology Co:, Ltd:, China Electronics Standardization Research Institute, Xi'an University of Posts and Telecommunications, Shaanxi Provincial Network and Information Security Evaluation Center, Shandong Genzon Information Technology Co:, Ltd:, National Computer Network Emergency Technology Coordination Center, Huawei Technologies Co:, Ltd: Co:, Ltd:, Hangzhou Anheng Information Technology Co:, Ltd:, Changyang Technology (Beijing) Co:, Ltd:, Alibaba Cloud Computing Co:, Ltd:, Shandong Province Market Supervision and Monitoring Center, Qingdao Zhongsheng Information Technology Co:, Ltd:, Qingdao Computing Technology Research Institute of Xidian University, Jining City Standard Information Technology Center, Ju County Government Service Center, Zhongan Information Technology Service Co:, Ltd:, Jinan Times Confidence Information Security Evaluation Co:, Ltd:, Tongzhi Weiye Software Co:, Ltd:, Wanlian Index (Qingdao) Information Technology Co:, Ltd:, Zhejiang Hippo Steward Network Technology Co:, Ltd:, Beijing Chen Guangrongxin Technology Co:, Ltd:, Shandong Luruan Digital Technology Co:, Ltd:, Shandong Hetong Information Technology Co:, Ltd:, Fangyuan Logo Certification Group Mission Shandong Co:, Ltd:, Shandong Tengxiang Product Quality Inspection Co:, Ltd:, Shenzhen University, OPPO Guangdong Mobile Communication Co:, Ltd: The main drafters of this document: Wang Shuguang, Gong Wei, Zhu Fengxue, Fan Bo, Wei Jun, Zhang Yong, Li Dan, You Lili, Zhao Yanjun, Zhou Weiguang, Gu Liwang, Wang Wenlei, Song Lihua, Shao Meng, Liang Wei, Zhao Hua, Yuan Yipeng, Xu Liqian, Wan Yiping, Zhang Jiancheng, Xu Zhiguo, Qin Yang, Hu Xinlei, Yang Xiangdong, Yang Rui, Deng Xiangwu, Liu Zhiqiang, Wang Dong, Wang Jiandong, Zhang Zhiwei, Zheng Wei, Zhang Hongyan, Li Yongfa, Xu Yanxia, Cheng Yan, Dai Honggang, Qin Feng, Meng Fangang, Wang Yongqi, Jia Qingjia, He Guangfeng, Zhang Zhilong, Xue Nianming, Li Xun, Geng Zhe, Zhang Shuzhen, Cui Hao, Liu Weili, Li Teng: The release status of previous versions of this document and



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the documents it replaces are as follows:

---First published as GB/T 32920-2016 in:2016;

--- This is the first revision:

This document is a supplement to GB/T 22080-2016 and GB/T 22081-2016 for use in information sharing communities: in this document Supplement with guide: GB/T 22080-2016 and GB/T 22081-2016 adopt a common approach to deal with information exchange between organizations: when the organization When exchanging sensitive information1), it can be achieved by establishing an information sharing community (although there is competition among group members, they are Mutual trust means trusting that the other party will take security controls on the shared sensitive information) trusting the recipient: Mutual trust among members of an information sharing group is the prerequisite for the effective operation of the group: On the one hand, the sender of information needs to trust the receiver not to leak On the other hand, the information receiver trusts the accuracy of the information provided by the initiator based on the qualification of the initiator: above two This aspect needs to be supported by clear and effective security policies and practices from the information sharing community: To achieve the above goals, members of the information sharing community need Establish a common security management system that covers shared information, that is, the information security management system (ISMS) of the information sharing community: For the sharing of sensitive information between different groups in the industry, since the information originator cannot know all the receivers, at this time, the group can Trust is established between it and its information sharing protocol for information sharing: 1) The information that the industry or organization considers may cause loss of interests but cannot become a state secret is sensitive information: Information Security Technology Information security management for inter-industry and inter-organizational communications

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## 1 Scope

GB/T 32920-2023 covers information security management for communications between sectors and between organisations. Sharing security information - threat indicators, incident details, vulnerability reports - is the only way any single organisation sees more than its own traffic, and it is exactly the sharing that organisations are most reluctant to do, because the information is sensitive and the recipients are outside their control. The standard addresses that. It sets the concepts, including the information sharing community, the management of the group and the communication model, then the information security policy, the security organisation, human resource security before and during appointment, and the protection of the information exchanged including media handling. It replaces GB/T 32920-2016 and took effect on 1 December 2023.

This document provides supplementary guidance to the Information Security Management System (ISMS) family of standards for implementing information security management in



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an information-sharing community: This document provides controls and guidance for initiating, implementing, maintaining and improving information security for inter-industry and inter-organizational communications: it as provides guidance and general principles on how to use established messaging and other technical methods to meet specified requirements: This document applies to all forms of sensitive information exchange, public and private, domestic and international, within the same sector or between sectors share with: In particular, this document may apply to the exchange and sharing of information related to the supply, maintenance and protection of organizational or national critical infrastructure: Enjoy: This document is intended to support the building of trust in the exchange and sharing of sensitive information, thereby facilitating the international development of the information sharing community:

## 2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text: Among them, dated references For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to this document:

GB/T 22080-2016 Information Technology Security Technology Information Security Management System Requirements (ISO / IEC 27001:2013, IDT)

GB/T 22081-2016 Information Technology Security Technology Information Security Control Practice Guidelines (ISO / IEC 27002:2013, IDT)

GB/T 29246-2017 Information Technology Security Technical Information Security Management System Overview and Vocabulary (ISO / IEC 27000: 2016, IDT)

Note: There is no technical difference between the referenced content of

GB/T 29246-2017 and the referenced content of ISO / IEC 27000:2014:

## 3 Terms and Definitions

The terms and definitions defined in GB/T 29246-2017 apply to this document:

## 4 Concept and Interpretation

1 Overview Chapters 5 to 18 of this document give guidance on information security management systems (ISMS) for inter-industry and inter-organizational communication: The controls defined in GB/T 22081-2016 include controls on the exchange of information between organizations, as well as controls on the general distribution of publicly available information: system: However, when sharing sensitive information within an organization's community that is only publicly available to members of the community, it is often required



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