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**Information technology - General specification for cyberspace
surveying and mapping**

信息技术 网络空间测绘通用规范

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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.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

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This document was drafted by: Tsinghua University, China Electronics Technology Standardization Institute, Beijing Zhongguancun Laboratory, Quancheng Provincial

Laboratory, Information Engineering University of the Strategic Support Force of the Chinese People's Liberation Army, the 30th Institute of China Electronics Technology Group Corporation, and the Information Engineering University of the Chinese Academy of Sciences Engineering Research Institute, Huawei Technologies Co., Ltd., 360 Digital Security Technology Group Co., Ltd., Beijing Shenzhou Green Alliance Technology Co., Ltd., China Mobile Tongjicheng Co., Ltd., Beijing Shuimu Netscape Technology Co., Ltd., and Guangzhou Tianmao Information System Co., Ltd.

The main drafters of this document are: Wang Jilong, Yu Tao, Zhuang Shuying, Zhang Chaochao, Zhou Hongyi, An Changqing, Wang Haibo, Miao Congcong, Zhang Han, Li Yahui, Zhang Qun, Wang Weizhong, Li Bing, Gong Yunying, Guo Jianjun, Han Shangbin, Xu Qing, Zhou Yang, Lan Chaozhen, Shi Qunshan, Hu Xiaofei, Chen Jianfeng, Sun Zhi, Deng Chenglong, Xu Ziyuan, Gao Liwei, Hu Zhiheng, Sun Limin, Zhu Hongsong, Zhang Weidong, Yan Zhaoteng, Chen Shuanglong, Xie Lequan, Fan David, Du Yuejin, Jiang Sihong, Li Han, Zhang Jianxin, Fan Dunqiu, Liu Wenmao, Li Yongsong, Tian Kang, Liu Zijun, Li Hua, and Zou Kai.

General specification for information technology cyberspace mapping

1 Scope

This document specifies the general requirements for cyberspace mapping, including basic measurements, data provision, mapping and map applications.

This document is applicable to the surveying and mapping of cyberspace.

2 Normative references

This document has no normative references.

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 cyberspace

The interconnected digital environment consisting of the networks, services, systems, people, processes, organizations, and things that reside in or traverse the digital environment.

Note. Cyberspace mainly relies on information and communication technology infrastructure carriers such as the Internet, telecommunications networks, and various control systems and equipment.

[Source. ISO /IEC TS27100 2020, 3.5, modified]

3.2 cyberspaceresource

In cyberspace (3.1), targets that can be detected and sensed using network measurement methods.

Examples. infrastructure, application services, data resources, etc.

3.3 [Source. GB/T 30170-2013, 4.10, modified]

A set of mathematical rules for assigning coordinates to elements of cyberspace resources (3.2).

Note. This refers to the positioning reference system for cyberspace resource elements.

3.4 cyberspacemap

Based on the cyberspace coordinate system (3.3), according to certain drawing rules, use mapping methods to express the location of cyberspace resources (3.2) tools to store and display information about the device and its attributes.

3.5 Cyberspace-timedatum

The time system and corresponding parameters used to describe the time when an event occurs in cyberspace, as well as the coordinate system used to describe the location of cyberspace resources.

Definition of standard system and corresponding parameters.

Note. It includes cyberspace time reference and space reference. Cyberspace time reference usually includes time origin, advancement mode, accuracy and length, etc.

The space reference usually includes the origin, basis vectors and scale.

3.6

Based on the cyberspace coordinate system (3.3), with the cyberspace map (3.4) as the goal, in the unified cyberspace time and space reference (3.5) and