ICS 35.080
CCS L 77

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 46900-2025

Systems and software engineering - General technical requirements for low-code development platforms

系统与软件工程 低代码开发平台通用技术要求

Issued on: December 31, 2025 **Implemented on: July 1, 2026**

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

Table of Contents

1.Scope 1
2 Normative References 1
3.Terms and Definitions 1
4.Abbreviations 1
5 General Principles 2
5.1 Overview 2
5.2 Capability Framework 2
5.3 Platform Level 2
6.General competency requirements 3
6.1 Application Management Capability Domain 3
6.2 Visualization Development Capability Domain 5
6.3 Visual Configuration Capability Domain 10
6.4 Visualization Support Capability Domain 12
6.5 Resource Invocation Capability Domain 16
6.6 Security Management Capability Domain 20
6.7 Operation and Maintenance Management Capability Domain 21
6.8 Ecological Expansion Capability Domain 25
6.9 Intelligent Assistance Capability Domain 27
34 References 35

Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed and is under the jurisdiction of the National Information Technology Standardization Technical Committee (SAC/TC28). This document was drafted by: China Electronics Technology Standardization Institute, Inspur General Software Co., Ltd., Zhejiang University, and Hunan Yunchang Network Technology Co., Ltd. Technology Co., Ltd., Zhuhai Jinzhiwei Information Technology Co., Ltd., Yunnan Power Grid Co., Ltd. Data Operation Center, Inspur Software Technology Co., Ltd. The company, Yunnan Power Grid Co., Ltd.

Kunming Power Supply Bureau, Primeton Information Technology Co., Ltd., Shandong Inspur Science Research Institute Co., Ltd. Shenzhen Aozhe Network Technology Co., Ltd., Jinxiandai Information Industry Co., Ltd., Zhongke Jiuzhou Technology Co., Ltd., China Software & Information Technology Co., Ltd. Technical Service Co., Ltd., Institute of Computer Applications, China Academy of Engineering Physics, Ningbo Iron & Steel Co., Ltd., Hangzhou Yunwei Technology Co., Ltd. Limited Liability Company, Shanxin Software Co., Ltd., Beijing Shougang Automation Information Technology Co., Ltd., Hubei Huazhong Electric Power Technology Development Co., Ltd. The company, Shanghai Chuangjing Information Technology Co., Ltd., Qingdao Hisense Information Technology Co., Ltd., and Shenzhen Hualong Xunda Information Technology Co., Ltd. Limited Liability Company, Shanghai Mengchuang Shuangyang Data Technology Co., Ltd., Metallurgical Automation Research and Design Institute Co., Ltd., University of Science and Technology Beijing, Zhuhai Silver Valley Network Co., Ltd., Wanda Information Co., Ltd., Guizhou Weisi Software Co., Ltd., Hefei Guqi Data Technology Co., Ltd., and Mo Eryuanshu (Fujian) Technology Co., Ltd., Shandong Chuang'en Information Technology Co., Ltd., Beijing Dongtu Technology Co., Ltd., Beijing Damei Shengsoft Software Co., Ltd., Kinghang Digital Technology Co., Ltd., the 54th Research Institute of China Electronics Technology Group Corporation, and Nanjing Shurui Data Technology Co., Ltd., Hubei Provincial Institute of Standardization and Quality, Hangzhou YouShi Software Co., Ltd., Hubei Optics Valley Standard Innovation Technology Co., Ltd. The company, Hangzhou Times Yintong Software Co., Ltd., Shanghai Software Industry Association, Hangzhou Shuyun Information Technology Co., Ltd., Beijing Jinghang Computer Computational Communications Research Institute, Hangyin Consumer Finance Co., Ltd., Zhejiang Haohan Information Technology Co., Ltd., Qingdao Huazheng Information Technology Co., Ltd. The company, Haoyun Technology Co., Ltd., Beijing Changtu Technology Co., Ltd., Guoneng Xinkong Technology Co., Ltd., Jiangsu Electric Power Information Technology Co., Ltd. Limited Liability Company, Guangyu Mingdao Digital Technology Co., Ltd., Qiming Information Technology Co., Ltd., Yudongyuan (Beijing) Information Technology Co., Ltd. Zhuhai Letu Software Co., Ltd., China Mobile Internet Co., Ltd., COSCO Shipping Technology Co., Ltd., Tianjin Yitian Digital Service Co., Ltd. The company, China Power Construction Group East China Survey and Design Institute Co., Ltd., Hangzhou Guochen Intelligent Enterprise Technology Co., Ltd., and Ziguang Modular Technology Co., Ltd. The company, Xuzhou Hongyuan Communication Technology Co., Ltd., and Zhejiang Huirong Network Technology Co., Ltd. The main drafters of this document are. Fan Kefeng, Su Wei, Feng Kuan, Zheng Weibao, Yang Chunjie, Hu Yanping, Liao Wanli, Li Lingfan, Li Zhaochuan, and Liu Jiangjuntai. Gu Wei, Wei Zizhong, Deng Yanjun, Du Wei, Zhang Xiaohui, Jia Dawei, Tao Yizheng, Jia Xiufeng, Yu Bo, Kong Wei, Zhang Hanwen, Wang Yan, Qin Xuegang, Liu Minghao Sun Lixin, Liu Junjun, Guo Jinhua, Long Xiaoang, Song Ruliang, Li Yi, Tu Gaoxiang, Zhou Bin, Chen Shengjie, Li Hong, Deng Shaoxun, Liu Gang, Liu Ping, Lü Yingsheng Zhang Chao, Sun Zhiqiang, Liu Yankun, Jin Xiaosong, Xiang Yuke, Gu Xin, Zhang Wenyuan, Li Wenpeng, Zhang Chuanqi, Li Xing, Chen Peng, Luo Shaowei, Lin

Danan, Li Shenzhang Qin Cheng, Fang Jianbin, Wang Chen, Lou Chengxiang, Shen Ying, Jiang Huajun, Liu Yurong, Shi Jie, Wang Gongtao, Luo Guifu, Qiu Hui, Zhang Xuan, Ji Yun, Qi Weizhi, Wang Xiaohu Guan Chunyuan, Ai Run, Zhang Jun, Sun Wenqing, Wang Min, Huang Tao, Zhang Shuai, Wu Wujiang, Zhang Shaohua, Zhou Bo, Sun Yuan, Jiang Kai, Hao Yanfeng, Xie Yuxin, Yang Tao Yang Meng. Systems and Software Engineering General technical requirements for low-code development platforms

1 Scope

GB/T 46900-2025 is the Chinese national standard covering the low-code platform - the visual modelling and the generated application, the extension points where real code is still needed, the lifecycle and versioning of what citizens develop, and the governance and security of applications built by people who are not developers. First edition, 20,500 words. It was issued on 31 December 2025 and has been in force since 1 July 2026, as a first edition. The document is under the responsibility of the Standardization Administration of China. This page is published from the official record of the 2025 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document specifies the general capability and level requirements for low-code development platforms, and outlines the evolution of low-code development platform capabilities. path. This document applies to users, suppliers, maintainers, and independent evaluators of low-code development platforms who are conducting research and development on low-code development platforms. Design, testing and evaluation, implementation and application, and product selection.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 11457-2006 Terminology for Information Technology Software Engineering

3 Terms and Definitions

The terms and definitions defined in GB/T 11457-2006, as well as the following terms and definitions, apply to this document.

3.1 low-code A software development method that uses visual development as its core, partially or completely replacing traditional manual coding.

3.2 component A simple encapsulation of data and methods.

Note. Components include predefined interfaces and external environment dependencies, are independently published, and can be integrated by third parties.

3.3 A software development environment based on visualization tools, modules, and pre-built models, supporting users to generate software through drag-and-drop operations, configuration of generation mechanisms, or small-scale... Code, quickly build and deploy applications.

4.Abbreviations The following abbreviations apply to this document.