ICS 35.240.30
CCS L 77

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 45395-2025

Information technology - Technical requirements for MiniApp accessibility

信息技术 小程序应用无障碍技术要求

Issued on: March 28, 2025 **Implemented on: March 28, 2025**

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

Table of Contents

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 is required.

This document was proposed and coordinated by the National Information Technology Standardization Technical Committee (SAC/TC28).

This document was drafted by: Zhejiang University, China Disabled Persons' Federation Information Center, China Electronics Technology Standardization Institute, Beijing Aeronautics and Astronautics Tianjin University, Taobao (China) Software Co., Ltd., Ant Technology Group Co., Ltd., Alibaba (China) Co., Ltd., Changchun University, Beijing Information Science and Technology University, Beijing Union University School of Special Education, Midea Group (Shanghai) Co., Ltd., Beijing National Financial Technology Certification Center Center Co., Ltd., Big Data Center of the Ministry of Emergency Management, Dongguan Yitong Information Technology Co., Ltd., Harbin Yishidai Digital Technology Development Co., Ltd. company.

The main drafters of this document are: Bu Jiajun, Dai Lianjun, Xu Yang, Hu Chunming, Huang Gang, Zhou Qin, Jia Yijun, Ran Ruoxi, Li Muzi, Zhang Jun, Li Anqi, Lu Bibo, Zhao Jian, Wang Wei, Li Hanjing, Zhu Minling, Liu Yongqiang, Duan Lihong, An Qing, Gao Ya, Yu Zhi, Cai Yongbin, Tang Xiaohui, Zhou Sheng, Li Hongli, Chen Weigang.

Introduction

Promoting barrier-free construction of mobile Internet ecology can enable all people to obtain and use information equally and without barriers, and make use of information technology to Developing achievements and sharing information resources are the key to narrowing the digital divide and building a fair and harmonious information society, and also reflect the humanities of modern society.

The noble act of caring is an important symbol of social civilization and progress.

As a new type of application that can be used without installation, the convenience of mini programs has been widely recognized by the industry and users.

According to statistics, there are nearly 1 billion users of various mini programs. Almost all mainstream mobile applications have launched mini programs, and mini programs are becoming more and more popular.

The content and functions of the app are constantly being enriched. Ensuring accessibility of mini-apps can help people with disabilities better integrate into society and enjoy various digital experiences.

Digital services are provided to ensure social equality and protect the rights and interests of special groups such as the disabled.

This document mainly proposes requirements for information accessibility for mini programs (including quick apps) and other free-to-install applications, from the perspective of industry development practices.

Starting from the technical aspects that need to be considered in actual development, such as components and design, input and output, this paper describes the control, text box, carousel, color The accessible technical elements that need to be considered for various mini-program components, such as color design, provide developers with a universal mini-program application platform The guidance of barrier-free related technologies in the technical framework enables each mini-program application to run on multiple platforms and be suitable for various Use by people with physical disabilities.

Information Technology Mini-Program Application Accessibility Technical Requirements

1 Scope

This document specifies the technical requirements for accessibility of mini program applications.

This document applies to various mini-programs (including quick apps, etc.) on mobile smart terminals (including IoT devices).

2 Normative references

GB/T 37668-2019

3 Terms and definitions

The terms defined in GB/T 37668-2019 and the following terms and definitions apply to this document.

3.1 Progress barprogresssteps

Step Bar When the computer is processing a task, it displays the processing speed, completion degree, and the amount of remaining unfinished tasks in real time in the form of pictures.

The size and possible processing time are usually displayed as rectangular bars.

3.2 shufflingfigure

In a module or window, multiple videos can be played in sequence through automatic playback, mouse clicks, finger sliding operations, etc. picture.

3.3 popupwindow

A window that pops up automatically when you open a web page, software, mobile application, or mini-program.

3.4 input box singleinputbox

The input box can set the type, length, display format, etc. of the input content, allowing users to enter data through components such as keyboards and selectors.

3.5 picker

The selector provides a set of preset data, allowing users to complete input or setting by selection.

4 Classification

The indicators in the technical requirements are classified according to their impact on barrier-free access, universality and scalability, and technical implementation difficulty. Row ranking.