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**Ageing societies - General requirements and guidelines for
older person-inclusive digital economy**

老龄化社会 老年人包容性数字经济通用要求与指南

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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 is required.

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0.1 Overview

The Fourth Industrial Revolution, characterized by rapid technological innovation and exponential growth, has triggered social changes in many aspects and changed people's lives.

Digital technology can not only help people learn new skills, promote social interaction, and develop independence and self-reliance, but also help them improve their lifestyles, work patterns, and interpersonal relationships.

It can also improve the level of public services and enhance social welfare.

However, this does not mean that everything needs to be digitized, nor does it mean that everyone must always be connected to the digital world.

The impact of digital technology on society and economy is not always positive and inclusive. In fact, digital technology may bring opportunities as well as This can exacerbate inequalities, so that not everyone benefits equally from the digital transformation.

With the rapid emergence of digital products and services, convenient and abundant online resources have become a distinctive mark of the current era.

In this ageing society, some members of society, including the elderly, are more likely to experience a digital divide and have limited equal access to digital technologies.

The digital divide is an obstacle to active and healthy aging, and has a negative impact on the elderly's participation in social interaction and economic activities.

and enjoyment of social welfare.

Therefore, bridging the digital divide depends not only on providing accessible digital technologies and improving the digital literacy of members of society, but also on ensuring that digital We will ensure inclusiveness of digital products and services, and create a digital environment that is safe, decent, non-ageist, and respectful of population diversity.

Building an inclusive digital economy for older people is urgent and time is of the essence. This paper aims to respond to the above background and situation, from the perspective of an aging society.

Based on the actual needs of the society, we put forward requirements and suggestions for building an inclusive digital economy for the elderly.

0.2 Digital opportunities in an aging society

Digital technology brings new development opportunities and solutions to an aging society, including.

- Maintaining social connections, especially with family members;
- Access digital communities to get the latest information in a timely manner;
- Work online using the Internet and mobile devices;
- Online job search through digital channels;
- Participate in online learning; --Enjoy digital services;

Example 1.Online shopping and smart travel.

- Rely on the Internet to improve personal health;

Example 2.Access personal health records online, receive online diagnosis and treatment.

- Use intelligent safety facilities and equipment.

Example 3.Use a smart device to send an emergency signal.

0.3 How inclusive digital technologies can empower an aging society

Inclusive digital technologies can provide multi-faceted support for an aging society, including the following.

--Vision support. Some elderly people and other members of society may have difficulty reading and recognizing small fonts.

Electronic texts with compatible screen magnifiers and readers can help alleviate visual impairments.

--Hearing support. For people with hearing loss, a variety of communication modes can be provided, such as using text dialog boxes and message boxes instead of voice Services, and also digital services compatible with hearing aids.

-- Speech support. Digital technology can provide Provides a variety of options such as speech recognition, synthesis, conversion (speech to text, text to speech), etc.

-- Motor function support. Accessible ICTs can help people with reduced motor abilities interact easily with digital products and services The user can also use the touchscreen to control the user's movements, such as expanding the click area on the operating interface, so that people with limited dexterity and difficulty making fine movements can operate it freely.

--Cognitive support. People with cognitive decline may have difficulty identifying or accessing links or finding the information they need.

When designing and implementing digital activities, considering cognitive barriers and providing solutions, such as reminder features, will help people Understanding and accessing the digital economy.

--Social interaction support. Reducing social interaction may lead to loneliness and even depression. Accessible information and communication technology can help people interact with others.

Activities and information sharing to promote social activities and increase social interactions.

-- Physical and mental vitality support. Some older adults and other members of society may gradually lose physical and mental vitality. Digital health applications, Telemedicine helps maintain good health and monitor physical, mental and well-being.

Note 1.For more information, see the International Telecommunication Union (ITU) Aging in a Digital World. From Fragile to Precious.

The extent and manifestations of aging vary from person to person - as people age, their ability to live independently, their need for assistance, and their ability to function vary.