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Promoting Barrier-free ICT Accessibility, and Helping Bridge the Digital Divide for the Elderly and the Disabled

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In an aging and digital world, the problem of "digital divide" is promine **血红 中国信通院**

In an aging and digital world, with the development of digital technologies and the expansion of digital economy, the problem of imbalanced and insufficient digital development among different groups is becoming increasingly prominent. The elderly are facing limitations in using digital products and services, which creates a big "digital divide".



Population aging

In 2022, nearly 10% of the world's population are above the age of 65. The number is expected to reach 16% by 2050.

"Digital divide" widening

The elderly and the disabled, due to their physical conditions, learning ability and other reasons, are falling into a "digital dilemma" brought by the digital divide.



Digital wave emerging

- ICTs are developing rapidly
- Service boundaries continue to extend



The focus is shifting in terms of bridging the digital divide

The unprecedentedly active ICT innovation has become an important driver for socio-economic development and improvement of people's livelihoods. There is still huge gap regarding the usage of ICTs by different groups, and the focus is shifting in terms of bridging the digital divide.

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Urban-rural digital divide

Since 2015, the Ministry of Industry and Information Technology and the Ministry of Finance of China have jointly implemented nine batches of telecom universal service programs, and achieved remarkable results.









Internet access and same speed" in rural and urban areas



4G coverage exceeded 99%, covering all rural public institutions such as schools and clinics



Digital divide in ICT usage

Reasons for the digital divide in ICT usage:

- Individuals differ in their ability to use ICTs.
- There are differences in the mastery of digital knowledge.

The number of people affected by "digital divide in ICT usage " in China is huge.



The Chinese government attaches great importance to the issue of digital divide



Year	lssued by	Policy document
2012	State Council	Regulations on Building a Barrier-free Environment
2016	State Council	The 13th FYP for National Informatization
2017	State Council	The 13th FYP for Promoting the Equalization of Basic Public Services
2019	CPC Central Committee, State Council	Medium- and Long-Term National Plan for Active Response to Population Aging
2020	MIIT, CAPPD	Guiding Opinions on Promoting Barrier-free ICT Accessibility
2020	CPC Central Committee, General Office of the State Council	Notice on the Implementation Plan to Effectively Solve the Difficulties of the Elderly in Using Smart Technologies
2021	National People's Congress	Data Security Law of the PRC
2023	NPC Standing Committee	Law on Building a Barrier-free Environment of the PRC

The special Law on Building a Barrier-free Environment was enacted CAICT 中国信通院

The Law on Building a Barrier-free Environment is the first law of this kind in China, which will come into effect on September 1, 2023. In this law, a special chapter is dedicated to barrier-free information exchange.



Age-friendly and barrier-free transformation of internet products is accelerating

The barrier-free transformation of internet apps is accelerating in China, and remarkable achievements have been made.

Website

• The barrier-free transformation of public service websites is accelerating. At present, 1,669 websites have passed the evaluation on the age-friendly and barrier-free level.





Government websites etc Installing accessible plugins

APP

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• The barrier-free transformation of mobile Internet APPs has attracted wide attention. In China, 76 APPs have completed the age-friendly and barrier-free transformation and passed the evaluation.



Telecom operators are providing more barrier-free services for the elderly and disabled

To improve services for the elderly and disabled, China's telecom operators are promoting age-friendly and barrierfree transformation of some services, with a focus on telecom tariff, product and service channel.





Secure positioning

Fraud claim







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There is an increasingly variety of assistive equipment

China has made great progress in the research of barrier-free ICT assistive products, and the barrier-free performance of terminals has significantly improved.

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Assistance for the visually-impaired	Assistance for the hearing-impaired	Assistance for the cognitively-impaired	Age-friendly terminal
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China has released more than 30 standards related to age-friendliness and ICT accessibility, which mainly fall into four categories: basic and general purpose, technology and product, service system, and test requirement. The standard specifications cover basic terminal equipment and Internet APPs, etc.



We will continuously promote the construction of barrier-free society CAICT 中国信通院

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The development of ICTs should have both "speed" and "warmth". "

We are ready to work with the international community to promote the construction of a digital society that fully accommodates the needs of the elderly and the disabled, and help them not only overcome the "digital difficulties" in their lives, but also enjoy the benefits of digital technologies.



Thank you

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