

We will start at 10:00 am (Brussels Time)

SESEC V Webinar
China AI
Laws and Regulations, policies and Standards

Dr. Betty Xu



- ✓ You are *muted*
- ✓ Use the **Q&A or Chat Panel** to submit your questions
- ✓ Keep your questions **short and concise**
- ✓ Your questions will be answered after the presentation
- ✓ **Slides and recording** will be sent to you afterwards
- ✓ Contact us: assistant@sesec.eu
- ✓ Welcome to our website: <https://sesec.eu/>



SESEC INTRODUCTION

A Project co-funded by EC, EFTA, CEN CENELEC & ETSI

- ❖ **Promote** European and International standards in China
- ❖ **Improve** contacts between Project Partners and different levels of the Chinese administration, industry and standardization bodies
- ❖ **Enhance** visibility and understanding of the European Standardization System (ESS) in China.
- ❖ **Gather** regulatory and standardization intelligence
- ❖ **Undertake** technical lobbying



Goals

- The SESEC initiative supports **EC policy** and **ESOs strategic objectives** in China.
- Our ultimate goal is the enhancement of **EU-China dialogue and cooperation** in the field of standardization.
- It is notably expected to support the Framework Cooperation Agreement in place **between the ESOs and SAC**.

SESEC V LAUNCHED IN OCT 2022

Goals and Tasks

Call for stakeholders' Strategic Comments on Standardization Cooperation with China

Please contact

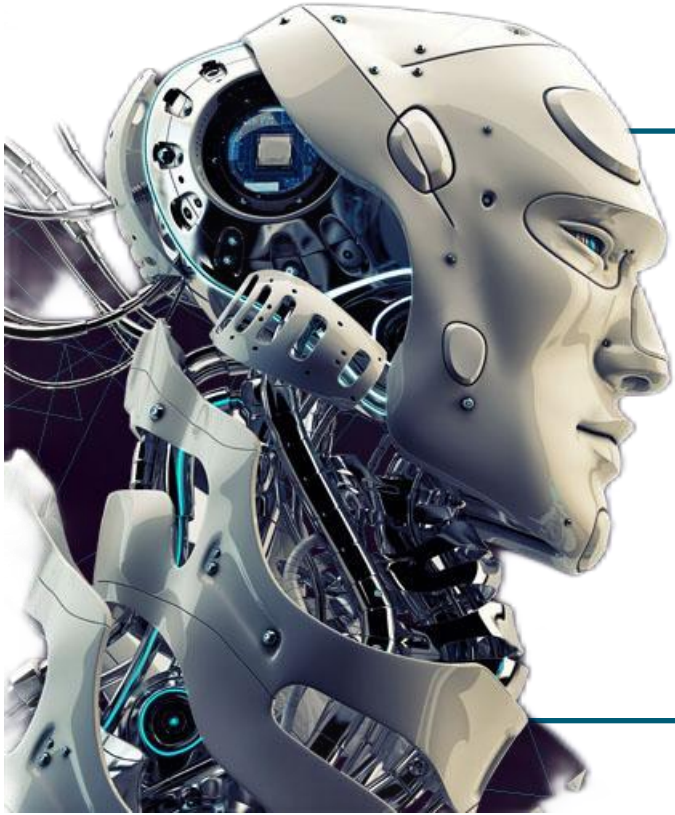
SESEC team via assistant@sesec.eu

Ms. Zhuohua Chen zchen@cencenelec.eu in CEN/CENELEC Management Centre,

Ms. Margot Dor margot.dor@etsi.org in ETSI,

Ms. VACCARO Silvia Silvia.VACCARO@ec.europa.eu in European Commission, and

Ms. Gudrun Rögnvaldardóttir, gur@efta.int in EFTA, for more details of SESEC project.



Review of AI in China

Laws & Regulations,
Policies and
Standardisation

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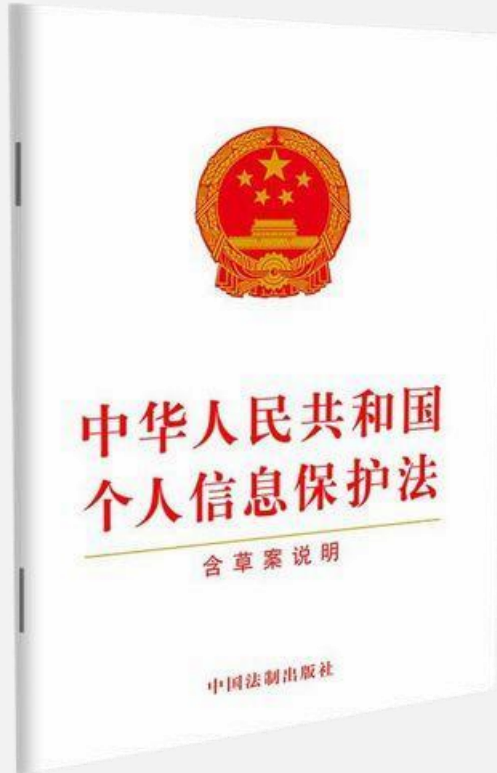
03

AI Standardisation
(2020-2022)



01

AI Laws and Regulations (2020-2022)



Personal Information Protection Law of the People's Republic of China

Article 62 The **national cyberspace administration** shall coordinate with relevant departments to promote the following personal information protection work in accordance with this Law:

...

(2) To formulate special personal information protection rules and standards for small personal information processors, sensitive personal information processing and new technologies and applications such as face recognition and **artificial intelligence**;

...



《新一代人工智能伦理规范》发布

日期: 2021年09月26日 17:32 来源: 科技部 【字号: 大 中 小】

9月25日, 国家新一代人工智能治理专业委员会发布了《新一代人工智能伦理规范》(以下简称《伦理规范》), 旨在将伦理道德融入人工智能全生命周期, 为从事人工智能相关活动的自然人、法人和其他相关机构等提供伦理指引。

《伦理规范》经过专题调研、集中起草、意见征询等环节, 充分考虑当前社会各界有关隐私、偏见、歧视、公平等伦理关切, 包括总则、特定活动伦理规范和组织实施等内容。《伦理规范》提出了增进人类福祉、促进公平公正、保护隐私安全、确保可控可信、强化责任担当、提升伦理素养等6项基本伦理要求。同时, 提出人工智能管理、研发、供应、使用等特定活动的18项具体伦理要求。《伦理规范》全文如下:

新一代人工智能伦理规范为深入贯彻《新一代人工智能发展规划》, 细化落实《新一代人工智能治理原则》, 增强全社会的人工智能伦理意识与行为自觉, 积极引导负责任的人工智能研发与应用活动, 促进人工智能健康发展, 制定本规范。

第一章 总则

第一条 本规范旨在将伦理道德融入人工智能全生命周期, 促进公平、公正、和谐、安全, 避免偏见、歧视、隐私和信息泄露等问题。

第二条 本规范适用于从事人工智能管理、研发、供应、使用等相关活动的自然人、法人和其他相关机构等。(一) 管理活动主要指

Ministry of Science and Technology (MoST):
New Generation of AI Ethics Norms (Sep 2021)
----Guidelines for natural persons, legal persons, and other relevant institutions that are engaged in AI activities

1) Objectives:

- to support the *Development Plan on the New Generation of Artificial Intelligence* (released in 2017)
- to detail and implement *the A New Generation of Artificial Intelligence Governance Principles* (released in 2019)
- to strengthen AI ethics-related consciousness of the whole society and enhance the sense of responsibility of corresponding behavior
- to actively guide the AI R&D, and application activities
- to promote the healthy development of the AI



《新一代人工智能伦理规范》发布

日期: 2021年09月26日 17:32 来源: 科技部 【字号: 大 中 小】

9月25日, 国家新一代人工智能治理专业委员会发布了《新一代人工智能伦理规范》(以下简称《伦理规范》), 旨在将伦理道德融入人工智能全生命周期, 为从事人工智能相关活动的自然人、法人和其他相关机构等提供伦理指引。

《伦理规范》经过专题调研、集中起草、意见征询等环节, 充分考虑当前社会各界有关隐私、偏见、歧视、公平等伦理关切, 包括总则、特定活动伦理规范和组织实施等内容。《伦理规范》提出了增进人类福祉、促进公平公正、保护隐私安全、确保可控可信、强化责任担当、提升伦理素养等6项基本伦理要求。同时, 提出人工智能管理、研发、供应、使用等特定活动的18项具体伦理要求。《伦理规范》全文如下:

新一代人工智能伦理规范为深入贯彻《新一代人工智能发展规划》, 细化落实《新一代人工智能治理原则》, 增强全社会的人工智能伦理意识与行为自觉, 积极引导负责任的人工智能研发与应用活动, 促进人工智能健康发展, 制定本规范。

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第二条 本规范适用于从事人工智能管理、研发、供应、使用等相关活动的自然人、法人和其他相关机构等。(一) 管理活动主要指

Ministry of Science and Technology: *New Generation of AI Ethics Norms*

2) Major contents:

- **6 basic ethical requirements**, including improving human well-being, promoting fairness and justice, protecting privacy and security, ensuring that AI is controllable and credible, strengthening human's responsibility, and improving ethical literacy
- **18 specific ethical requirements** for specific activities such as AI management, research and development, supply, and application.



02

Artificial Intelligence Policies (2020-2022)

Key Policy Documents in China AI (Before 2020)

Key Policy Documents in China AI (Before 2020)

Notice of the State Council:

Development Plan on the New Generation of Artificial Intelligence



“Committee of Deepen Reform of China Centre Communist Party”:

Guideline on Promoting the Deep Integration of Artificial Intelligence and Real Economy



Notice of the Ministry of Industry and Information Technology :

Three-year Action Plan of Promoting a New Generation of Artificial Intelligence



Seconded European Standardization Expert in China (SESEC) Project



the Development Plan on the New Generation of Artificial Intelligence

key steps were defined in this documents

- Constructing an innovation system of AI science and technology.
- Promoting the development of intelligent economy.
- Building a safe and convenient intelligent society with AI.
- Establishing the Artificial Intelligence Plan Promoting Office together with the Artificial Intelligence Strategy Advisory Committee.

Notice of the MIIT on Issuing the Three-year Action Plan of Promoting a New Generation of Artificial Intelligence

- Set up the details and tasks to carry out the Development Plan on the New Generation of AI.
- Including 17 key category of products/fields in AI (in an explanation documents)
- Proposing the establishment of AI standard System

Guideline on Promoting the Deep Integration of Artificial Intelligence and Real Economy

- It is an Communist Party Documents and thus Chinese society regarded as very important documents
- The development of AI should be under the guidance of the market demand
- Promoting the application of AI in industry

Key Purpose: Promote Industry Development and forester Chinese industry competition, safe and convenient AI are also sometimes mentioned. .



The screenshot shows the official website of the Chinese government (www.gov.cn). The page displays a policy document titled "五部门关于印发《国家新一代人工智能标准体系建设指南》的通知" (Notice of the Five Departments on Issuing the Guidelines for the Construction of the National New Generation of Artificial Intelligence Standard System). The document is dated July 27, 2020, and is issued by the State Standardization Administration Commission, the State Information Office, the National Development and Reform Commission, the Ministry of Science and Technology, and the Ministry of Industry and Information Technology. The document is categorized as a notice and is available on the Standardization Commission website.

标 题: 五部门关于印发《国家新一代人工智能标准体系建设指南》的通知
发文字号: 国标委联〔2020〕35号
主题分类: 科技、教育\科技
发文日期: 2020年07月27日

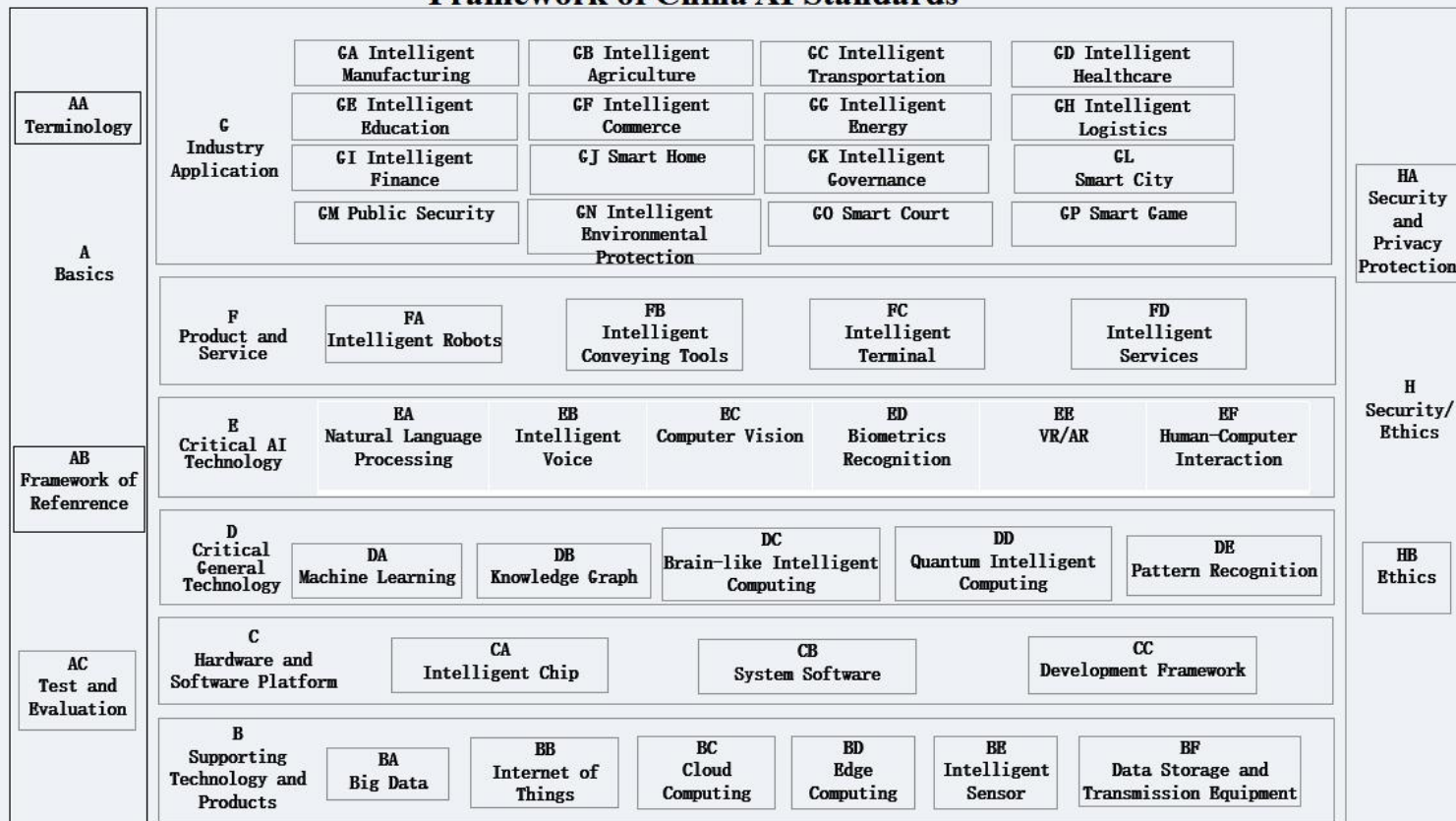
发文机关: 国家标准化管理委员会 中央网信办 国家发展改革委 科技部 工业和信息化部
来 源: 标准委网站
公文种类: 通知
发布日期: 2020年

【字体: 大 中 小】

1) Guidelines for the construction of the national new generation of artificial intelligence standard system

- Releasing Year: 2020
- Issuing Authorities: SAC, CAC, National Development and Reform Commission, MoST, MIIT

Framework of China AI Standards



2) Guiding Opinions on Accelerating the Innovation in Uses Cases and Promoting High-quality Economic Development with High-level Application of Artificial Intelligence

- Releasing Year: 2022
- Issuing Authorities: MIIT, MoST, MoE, Ministry of Transport, Ministry of Agricultural and Rural Affairs, National Health Commission
- In line with: *Development Plan on the New Generation of Artificial Intelligence* (released in 2017) and *14th Five-Year Plan and the Long Range Objectives for 2035* (released in 2021).

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首页 > 政策 > 国务院政策文件库 > 国务院部门文件

☆收藏 留言

标 题: 科技部等六部门关于印发《关于加快场景创新以人工智能高水平应用促进经济高质量发展的指导意见》的通知 发文机关: 科技部 教育部 工业和信息化部 交通运输部 农业农村部 卫生健康委

发文字号: 国科发规〔2022〕199号 来 源: 科技部网站

主题分类: 科技、教育\科技 公文种类: 通知

成文日期: 2022年07月29日 发布日期: 2022年

【字体: 大 中 小】

科技部等六部门关于印发《关于加快场景创新以人工智能高水平应用促进经济高质量发展的指导意见》的通知
国科发规〔2022〕199号

各省、自治区、直辖市及计划单列市科技厅（委、局）、教育厅（教委）、工业和信息化主管部门、交通运输部（局、委）、农业农村厅（委、局）、卫生健康委，新疆生产建设兵团科技局、教育局、工业和信息化局、交通运输局、农业农村局、卫生健康委：

为落实《新一代人工智能发展规划》，系统指导各地方和各主体加快人工智能场景应用，推动经济高质量发展，现将《关于加快场景

2) Guiding Opinions on Accelerating the Scenario Innovation and Promoting High-quality Economic Development with High-level Application of Artificial Intelligence

a. Development objectives

- Scene innovation/use case is expected to become a new path for artificial intelligence technology upgrading and industrial growth. Achievements continue to emerge, promoting the development new generation of AI.

b. Areas that scenarios innovation shall focus

- high-end digital economy
- safe and smart society
- high-end sci-tech activities
- national key events and construction projects

c. Encourage capacity building for/in

- firm and enterprises
- universities, colleges, and research centers
- specialized agencies
- pilot areas

d. Advancing the public opening of AI scenarios

- releasing scenario innovation list, organising high-level AI scenario events, and channeling cooperation

e. Increasing AI scenario innovation supply

- infrastructure, data supply, talents cultivation, supply of market resources

3) The 14th Five-year Plan for Information and Communications Industry Development

Releasing Year: 2021

Issuing Authorities: MIIT

In line with: the 14th Five-Year Plan and the Long Range Objectives for 2035 (released in 2021).

The screenshot shows the official website of the Chinese government (www.gov.cn). The page displays a policy document from the Ministry of Industry and Information Technology (MIIT). The document title is "Notice of the Ministry of Industry and Information Technology on Issuing the 14th Five-Year Plan for Information and Communications Industry Development". The document number is "MIIT Order (2021) 164". The document is dated November 1, 2021. The document is classified as "Industry, Transport, Information Industry (含电信)" and is a "Notice". The document is available in both Chinese and English.

中华人民共和国中央人民政府
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国务院 总理 新闻 政策 互动 服务 数据 国情 国家政务服务平台

标题: 工业和信息化部关于印发“十四五”信息通信行业发展规划的通知
发文字号: 工信部规〔2021〕164号
主题分类: 工业、交通\信息产业(含电信)
发文机关: 工业和信息化部
来源: 工业和信息化部网站
公文种类: 通知
成文日期: 2021年11月01日
发布日期: 2021年

工业和信息化部关于印发“十四五”信息通信行业发展规划的通知
工信部规〔2021〕164号

3) The 14th Five-year Plan for Information and Communications Industry Development

To improve the **service capacity of AI infrastructure**:

- Build standardized public data sets for industry applications, and improve the level of open sharing and empowerment of public data.
- Build an **AI algorithm framework** and encourage enterprises to speed up the upgrading of the algorithm framework.
- Build an advanced algorithm model base, build a **general and industry-oriented AI algorithm platform**, and strengthen the adaptation of software and chips.
- Support enterprises and research institutions in setting up **AI open innovation platforms**.





Artificial Intelligence Standardisation (2020-2022)

AI standardization in China

AI standardization in China

- China Artificial Intelligence Standardization General working Group, Set up in April 2018
- Work Transferred to SAC TC 28 SC 42 National AI Standards Technical Committee
- Mirroring ISO/IEC/JTC1/SC 42 (11 standards published, 27 under drafting)

- SAC TC 28 SC 42 National AI Standards Technical Committee, Set up in 2020
- Secretariate is in CESI
- All the AI standards were gathered and will be drafted in this committee
- Publish 5 national standards , and 7 national standards are under drafting
- 51 other standards are under drafting
- Specific sectors may have their vertical AI standards made in specific TCs or WGs. E.g. Automated Driving



Structure of the National AI Standards Technical Committee (SAC TC 28/SC 42)

SAC TC 28/SC 42:(ISO/IEC/JTC1/SC 42)

- WG of Basic Standards
- WG of Automated Driving
- WG of Chip and System
- WG of Product and Service
- WG of Computer Vision
- WG of Trustworthiness
- WG of Model and Algorithm
- WG of Knowledge Graph



- **WG of Basic Standards**

Achievements in Basic Standards
(as of Jan 2022):

- *20190851-T-469 Information technology - Artificial Intelligence - Terminology*
- *ISO/IEC TR 24372 Information technology - Artificial intelligence - Overview of computational approaches for AI systems*



- **WG of Basic Standards**

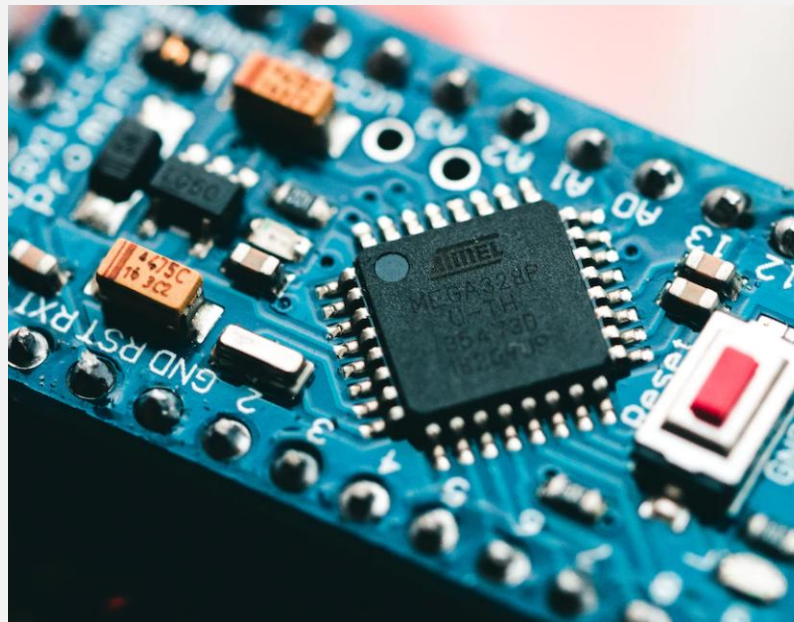
The on-going work of the Work Group (as of Jan 2022):

Category	Name
Standard	<i>Information technology - Artificial intelligence - Management system</i>
Standard	<i>ISO/IEC TS 4213 Information technology - Artificial intelligence -Assessment of machine learning classification performance</i>
Standard	<i>ISO/IEC 5259-4 Artificial intelligence - Data quality for analytics and machine learning (ML) - Part 4: Data quality process framework</i>
Standard	<i>ISO/IEC TS 8200 Information technology - Artificial intelligence - Controllability of automated artificial intelligence systems</i>
Ad-hoc group research	<i>Machine Learning Computing Devices Ad-hoc group</i>

- **WG of Chip and System**

Achievements in AI chip and system (as of Jan 2022):

- *T/CESA 1169-2021 Information technology - Artificial intelligence - Specification for performance benchmarking for server systems*
- *T/CESA 1043-2019 Server for deep learning specification*
- *T/CESA 1119-2020 AI chips - Test index and test method of deep learning chips for cloud side*
- *T/CESA 1120-2020 AI chips - Test metrics and test method of deep learning chips for edge side*
- *T/CESA 1121-2020 AI chips - Test metrics and test method of deep learning chips for terminal side*



- **WG of Chip and System**

The on-going work of the Work Group (as of Jan 2022):

Category	Name
Report	<i>White paper on effective computing capacity of China's AI technology</i>
Report	<i>White paper on China's future computing network technology and industrial application</i>
Standard	<i>20192139-T-469 Information technology - Artificial intelligence - Platform resources supply</i>
Standard	<i>IEEE P2937 Standard for performance benchmarking for AI server systems</i>
Standard	<i>Artificial intelligence - Specification for performance benchmarking for server systems</i>
Standard	<i>Artificial intelligence - Specification for uniform accelerator processor interface</i>
Standard	<i>Artificial intelligence computing device dispatch and collaboration - Part 1: computing virtualization</i>
Standard	<i>Artificial intelligence computing device dispatch and collaboration - Part 2: distributed computing structure</i>
Standard	<i>Operator - related standardisation</i>
Test	Test for AI technology performance benchmarking for server systems, and uniform accelerator processor interface

- **WG of Product and Service**

Achievements in AI product and service (as of Jan 2022):

- *T/CESA 1038-2019 Information technology - Artificial intelligence - Classified assessment on intelligent assistant's capabilities*
- *T/CESA 1039-2019 Information technology - Artificial intelligence - Classified assessment for machine translation capabilities*
- *T/CESA 1041-2019 Information technology - Artificial intelligence-Reference model of service capability maturity evaluation*



- **WG of Product and Service**

The on-going work of the Work Group (as of Jan 2022):

Category	Name
Report	<i>White paper on the product and service of AI technology</i>
Standard	<i>Artificial intelligence - Specification for service capability maturity assessment</i>
Standard	<i>Artificial intelligence - Classified assessment for machine translation capabilities</i>
Standard	<i>Artificial intelligence - Technical requirements for evolution of intelligent services adaptation</i>
Standard	<i>Artificial intelligence - Technical requirements for safety assurance of intelligent microservice adaption</i>
Standard	<i>Artificial intelligence - Functional requirements for intelligent microservice adaption platform</i>
Standard	<i>Artificial intelligence - Framework for natural interaction platform</i>
Standard	<i>Information technology - Artificial intelligence y-Technical requirements and testing approach for dialogue system technology</i>
Standard	<i>Information technology - Artificial intelligence - Technical requirements for active service of smart home appliances</i>
Standard	<i>Smart household control centre - General technical specification</i>
Test	Evaluation for smart speakers
Test	Evaluation for intelligent assistant

- **WG of Model and Algorithm**

Achievements in AI Model and Algorithm (as of Jan 2022):

- *T/CESA 1026—2018 Artificial intelligence - Assessment specification for deep learning algorithms*
- *T/CESA 1034—2019 Information technology - Artificial intelligence - Sample size and algorithm requirements for few-shot learning*
- *T/CESA 1036—2019 Information technology - Artificial intelligence - Quality elements and testing methods of machine learning model and system*
- *T/CESA 1037—2019 Information technology - Artificial intelligence - Framework and functional requirements of system for machine learning*
- *T/CESA 1040—2019 Information technology - Artificial intelligence - Code of practice for data annotation of machine learning*



- **WG of Model and Algorithm**

The on-going work of the Work Group (as of Jan 2022):

Category	Name
Research report	<i>Report on fairness and supervision of artificial intelligence algorithm</i>
Research report	<i>White paper on technical development and industrial application of artificial intelligence algorithm and model</i>
Standard	<i>IEEE P3142 Recommended practice on distributed training and inference for large-scale deep learning models</i>
Standard	<i>Information technology - Artificial intelligence - Technical requirements and evaluation indicators for multi-hardware platform adaption of deep learning framework</i>
Standard	<i>Information technology - Artificial intelligence - guidelines for model management</i>
Standard	<i>Artificial intelligence - Technical requirements for Application Programming Interface (API) of deep learning inference engine</i>
Standard	<i>Artificial intelligence - Functional and technical requirements for deep learning framework</i>
Standard	<i>Series standards of information technology - Neural network representation and model compression</i>
Standard	<i>Artificial intelligence - Code of practice for data annotation of machine learning</i>
Standard	<i>Artificial intelligence - Specification for machine learning system</i>
Standard	<i>Artificial intelligence - Specification for deep learning algorithm assessment</i>
Standard	<i>Artificial intelligence - Technical requirements for algorithm management of multi-algorithm application system</i>

- **WG of Trustworthiness**

Achievements in Trustworthy Research (as of Jan 2022):

- *Analysis Report on AI Ethical Risks*
- *T/CESA 1026—2018 Artificial intelligence - Assessment specification for deep learning algorithms*
- *T/CESA 1036—2019 Information technology - Artificial intelligence - Quality elements and testing methods of machine learning model and system*



- **WG of Trustworthiness**

The on-going work of the Work Group (as of Jan 2022):

Category	Name
Report	<i>White paper on trustworthy AI standardisation</i>
Report	<i>Practical cases of R&D of trustworthy AI technology</i>
Report	<i>Research report on fairness and supervision of AI algorithm</i>
Standard	<i>Artificial intelligence- Risk assessment and management</i>
Standard	<i>Technical framework for trustworthy AI technology</i>
Standard	<i>Artificial intelligence- Guidelines for ethics and social relations</i>
Standard	<i>Artificial intelligence- Assessment for dataset quality</i>
Standard	<i>Artificial intelligence- Technical requirements for privacy protection in machine learning system</i>
Standard	<i>Artificial intelligence- Robustness requirements and evaluation methods for neural network</i>
Standard	<i>Artificial intelligence- Trustworthy technical requirements for computing device</i>
Test	Risks assessment of AI products

- **WG of Computer Vision**

Achievements in Computer Vision (as of Jan 2022):

- *20190805-T-469 Information technology - Computer vision - Terminology*
- *T/CESA 1035-2019 Information technology - Artificial intelligence - Audio, video and image analysis algorithm interface*
- *T/CESA 1107—2020 Technical requirements and testing and evaluation methods for personnel tracking system based on video images*
- *T/CESA 1108—2020 Technical requirements and testing and evaluation methods for intelligent human body temperature detection and identification system*
- *T/CESA 1109—2020 Technical requirements and testing and evaluation methods for intelligent medical image aided diagnosis system*



- **WG of Computer Vision**

The on-going work of the Work Group (as of Jan 2022):

Category	Name
Report	<i>Collection of industrial inspection system cases</i>
Report	<i>White paper on computer vision standardisation</i>
Report	<i>Guidelines for implementation and evaluation of object classification in application scenarios</i>
Standard	<i>IEEE P3110 Standard for computer vision (CV) - Algorithms, application programming interfaces (API), and technical requirements for deep learning framework</i>
Standard	<i>Artificial intelligence - Trustworthy technical specifications for computer vision system</i>
Standard	<i>Artificial intelligence - Technical specifications for intelligent character recognition</i>
Standard	<i>Artificial intelligence - Technical specifications for deep image synthesis system</i>
Standard	<i>Information technology - Artificial intelligence - Interface technical requirements for deep learning-based computer vision algorithm</i>
Standard	<i>Artificial intelligence - Technical specification for video and image content audit system</i>
Standard	<i>Artificial intelligence - Technical specification for vehicle recognition - Part 1: motor vehicles</i>
Standard	<i>Artificial intelligence - Technical specification for vehicle recognition - Part 2: non-motor vehicles</i>
Standard	<i>Information technology - Computer vision - Framework for processing application tasks</i>
Standard	<i>Machine vision-related standardisation</i>
Test	Personnel tracking, OCR, content audit, deep fake, machine vision, etc.

- **WG of Automated Driving**

Achievements in Automated Driving (as of Jan 2022):

- *White paper on scenarios description language for automated driving*



- **WG of Automated Driving**

The on-going work of the Work Group (as of Jan 2022):

Category	Name
Report	<i>White paper on scenarios description language for automated driving</i>
Report	<i>White paper on standardisation system of virtual simulation evaluation in automated driving</i>
Standard	<i>Artificial intelligence - Automated driving systems of automated delivery vehicles - Definition and requirements for simulation scenario - Part 1: urban road</i>
Standard	<i>Artificial intelligence - Automated driving systems of automated delivery vehicles - Definition and requirements for simulation scenario-Part 2: enclosed industrial park</i>
Standard	<i>Artificial intelligence - Requirements for simulation scenario of automated driving systems - Part 1: automated delivery vehicles</i>
Standard	<i>Artificial intelligence - Requirements for simulation scenario of automated driving systems - Part 2: minibus</i>
Standard	<i>Artificial intelligence - Functional requirements for simulation platform of automated driving systems</i>
Test	Test for intelligent decision - making and control algorithm in automated driving
Test	Test for simulation platform of automated driving

- **WG of Knowledge Graph**

Achievements in AI Knowledge Graph (as of Jan 2022):

- *White paper on knowledge graphs standardisation (2019 Edition)*
- *Collection of cases: Knowledge graphs assisting virus containment and economic restoration*
- *Era of cognitive intelligence: Knowledge graphs application cases collection*
- *Type selection and application guidelines for knowledge graphs (2021 Edition)*



- **WG of Knowledge Graph**

The on-going work of the Work Group (as of Jan 2022):

Category	Name
Standard	<i>ISO/IEC WD 5329 Information technology - Artificial intelligence - Reference architecture of knowledge engineering</i>
Standard	<i>20192137-T-469 Information technology - Artificial intelligence - Technical framework for knowledge graphs</i>
Standard	<i>CESA-2020-2-019 Artificial intelligence - Specification for classification and grading of knowledge graphs</i>
Standard	<i>CESA-2020-2-020 Artificial intelligence - Assessment and test specification for knowledge graphs performance</i>
Standard	<i>IEEE P2807 Framework of knowledge graphs</i>
Standard	<i>IEEE P2807.1 Standard for technical requirements and evaluating knowledge graphs</i>
Standard	<i>IEEE P2807.2 Guide for application of knowledge graphs for financial services</i>
Standard	<i>IEEE P2807.3 Guide for electric-power-oriented knowledge graph</i>
Standard	<i>IEEE P2807.4 Guide for scientific knowledge graphs</i>
Testing & Certification	Testing and cerfication for knowledge graphs establishment of platform
Testing & Certification	Testing and cerfication for knowledge graphs application platform

SAC TC 28 SC 42 (Mirroring ISO/IEC/JTC1/SC 42) meetings in 2022The First Executive Meeting of the Chairman (20th April 2022)

- Secretariat's work summary in 2021 and the annual work plan in 2022;
- Review of the preparatory plan for the 2022 Subcommittee plenary session;
- Review of the candidate lists of chairs and vice chairs for Computer Vision Working Group, Knowledge Graph Working Group and Automated Driving Research Group;
- Review of the adjustment of the members of the sub-committees and the addition of new members.
- Next step:
 - ✓ continue to improve the organization construction and management work
 - ✓ focus on promoting the establishment and development of key standards in chip and system, model and algorithm, product and service, trustworthiness, computer vision, knowledge graph, automated driving, etc.
 - ✓ strengthen the international standardization research for large model and server;
 - ✓ carry out artificial intelligence technology and industry research.

SAC TC 28 SC 42 (Mirroring IEC SC 42) meetings in 2022The Second Plenary Meeting

- From 5 to 8 July 2022,
- The meeting concluded the work of last year and vision on next steps.
- The eight working groups together with 288 members are working on development of 51 standards in total.
- During the meeting, appointment of WG leaders for the newly-established working groups (i.e. WG of computer vision, knowledge graph, and automated driving) have been declared.
- The open session attracted 30,000 experts online for certain standards drafts introduction and discussion.



S U M M A R Y

- China does not have specific laws and regulations for AI or even some clauses for AI
- AI ethics and trustworthiness are still under researching and debating
- China's subconscious policies are to let the industries and industries develop until the situation or the requests are rather urgent and clear, then laws or norms may be made.
- China AI's development policies are more for technologies, industries and scenarios/use cases for AI
- More AI standards are made China although some of the technologies are still in the early or preliminary stages.
- SAC TC28 SC 42 is trying its best to adopt ISO/IEC/JTC1/SC42 standards. It also tries to submit proper standards to international level.



Thank You