



# 人工智能可信度一站式解决方案

## One Stop Solution for Artificial Intelligence Trustworthiness

# 欧盟《人工智能法案》

从 2024 年 8 月 1 日正式强制实施

The EU Artificial Intelligence Act will officially come into force on August 1, 2024.

欧盟人工智能法案将于 2024 年 8 月 1 日正式生效。作为一项具有里程碑意义的立法，该法案旨在规范欧盟境内人工智能的使用。其全面的框架将基于风险等级对人工智能系统进行分类，并引入严格的指南，以确保这些系统在各个领域的部署负责任且合乎道德。

The EU Artificial Intelligence Act, a landmark legislation aimed at regulating the use of artificial intelligence within the European Union, is set to be officially enforced starting on August 1, 2024. This comprehensive framework will classify AI systems based on their risk levels and introduce stringent guidelines to ensure their responsible and ethical deployment across various sectors.

## 人工智能发展背景和趋势

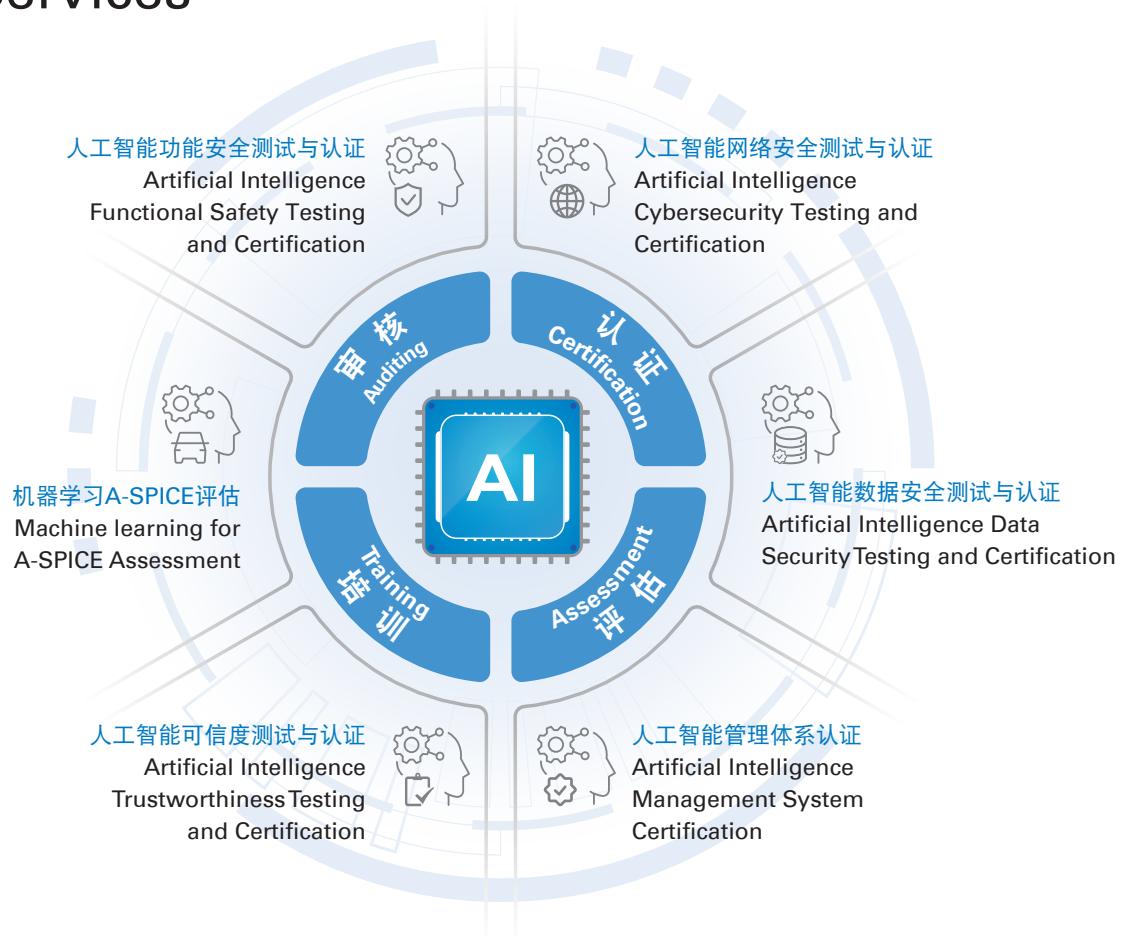
The Evolutionary Background and Trends of Artificial Intelligence (AI)

过去的几十年间，人工智能经历了从理论探索到实际应用的巨大转变。深度学习、强化学习等技术的突破，使得机器在计算机视觉、自然语言生成、自然语言理解等方面取得了显著的成就。在人工智能应用上，医疗保健、金融服务、交通运输、制造业等传统行业也越来越多得应用人工智能替代、补充原有的解决方案。在某些任务或者领域内超越人类能力的人工智能系统已然存在并且在能力迭代上的速度超乎想象。

Over the past few decades, artificial intelligence has undergone a dramatic shift from theoretical exploration to practical application. Breakthroughs in deep learning, reinforcement learning, and other technologies have enabled machines to make remarkable achievements in computer vision, nature language generation, and natural language understanding. In the application of artificial intelligence, traditional industries such as automotive, healthcare, financial services, transportation, and manufacturing are also increasingly applying artificial intelligence to replace and supplement the original solutions. Artificial intelligence systems that surpass human capabilities in certain tasks or domains already exist and are iterating capabilities faster than ever imagined.



## 我们的服务 Our Services



# 服务内容

## Service Content

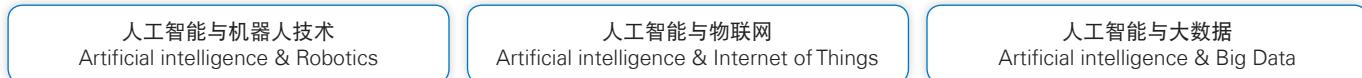
### 应用领域

#### APPLICATION DOMAIN



### 跨领域技术

#### CROSS-DOMAIN TECHNOLOGY



### 服务内容

#### SERVICE LINES



### 可信度

#### TRUSTWORTHINESS

以可验证的方式满足利益相关者的期望  
Meet stakeholder expectation in a verifiable way





**深厚积累**，我们在质量、安全、可靠性、可用性、可维护性、隐私等可信度相关问题有着百年积累。

**PROFOUND ACCUMULATION**, we have hundred years of experience in quality, safety, security, reliability, availability, maintainability, privacy and other trustworthiness related issues.



**以服务为导向**，助您把握全局，做出明智、可行以及高性价比的决策。

**A SERVICE-ORIENTED APPROACH** helps you see the full picture and make informed, actionable and cost-efficient decisions.



**全方位自上而下的系列服务**，确保每个利益相关方（从公司的管理层到技术操作人员）都参与到该流程中，以确保各方长期齐心协力、持续协作。

**A COMPREHENSIVE, TOP-DOWN PORTFOLIO APPROACH** ensures each stakeholder, from your organization's leaders to its technical practitioners, are involved and engaged in the process to ensure necessary buy-in, ongoing collaboration and long-term success.



**全球一致的系列服务**，助力您的企业获得战略指导、流程认证和一流技术，以有效地管理人工智能带来的风险，在人工智能时代具有深远的意义。

**A GLOBALLY CONSISTENT PORTFOLIO**, that is far-reaching and equally deep, gives your organization access to the strategic guidance, proven processes and best-in-class technology necessary to effectively manage risk brought by artificial intelligence, protect critical assets and thrive in the AI era.



**我们的端对端培训、审核、评估与认证服务**是最先进的前瞻性解决方案，可帮助您始终保持领先和竞争力。

**OUR END-TO-END TRAINING, AUDITING, ASSESSMENT AND CERTIFICATION SERVICES** are state-of-the-art, forward-looking solutions that help you always stay ahead and competitive.



**合规导向的解决方案**，帮助企业搭建符合标准与法规要求的人工智能管理框架。

**COMPLIANCE-ORIENTED SOLUTIONS** helps companies to build an AI management framework that meets standards and regulatory requirements.



## 相关标准（部分举例）

### Related Standards (Partial example)



AI 管理体系

AI management system

标准号 STANDARD NUMBER	标准名称 STANDARD NAME	标准关键词 KEYWORDS
ISO/IEC 42001	Information technology — Artificial intelligence — Management system	AI 管理体系
ISO/IEC 5338	Information technology — Artificial intelligence — AI system life cycle processes	AI 生命周期
ISO/IEC 38507	Information technology — Governance of IT — Governance implications of the use of artificial intelligence by organizations	AI 管理
ISO/IEC 23894	Information Technology — Artificial Intelligence — Risk Management	风险管理
ISO/IECTR 24368	Information technology — Artificial intelligence — Overview of ethical and societal concerns	AI 伦理
ISO/IEC 25059	Software engineering — Systems and software Quality Requirements and Evaluation (SQuaRE) — Quality model for AI systems	AI 质量



AI 系统

AI system

标准号 STANDARD NUMBER	标准名称 STANDARD NAME	标准关键词 KEYWORDS
ISO/IEC 5469	Artificial intelligence — Functional safety and AI systems	功能安全
ISO PAS 8800	Road Vehicles — Safety and artificial intelligence	功能安全
ISO/IEC 23053	Framework for Artificial Intelligence (AI) Systems Using Machine Learning (ML)	机器学习框架
ISO/IEC 22989	Information technology — Artificial intelligence — Artificial intelligence concepts and terminology	基本概念
ISO/IECTR 24027	Information technology — Artificial intelligence (AI) — Bias in AI systems and AI aided decision making	决策领域
ISO/IECTR 24028	Information technology — Artificial intelligence — Overview of trustworthiness in artificial intelligence	AI 可信度
ISO/IECTR 24029 - 1	Artificial Intelligence (AI) — Assessment of the robustness of neural networks — Part 1: Overview	神经网络
ISO/IECTR 24030	Information technology — Artificial intelligence (AI) — Use cases	AI 的使用场景
ISO 29119 - 11	Guidelines on the testing of AI - based systems	AI 测试
ISO/IECTR 4213	Information technology — Artificial intelligence — Assessment of machine learning classification performance	AI 评估
ISO 34502	Road vehicles — Test scenarios for automated driving systems — Scenario based safety evaluation framework	AI 测试



## AI 系统

### AI system

标准号 STANDARD NUMBER	标准名称 STANDARD NAME	标准关键词 KEYWORDS
<a href="#">ISO 3534 - 1</a>	Statistics — Vocabulary and symbols — Part 1: General statistical terms and terms used in probability	AI 测试
<a href="#">ISO 22736</a>	Taxonomy and definitions for terms related to driving automation systems for on-road motor vehicles	汽车领域
<a href="#">ISO 22737</a>	Intelligent transport systems — Low - speed automated driving (LSAD) systems for predefined routes — Performance requirements, system requirements and performance test procedures	低速自动驾驶
<a href="#">ISO/IEC 24372</a>	Information technology — Artificial intelligence (AI) — Overview of computational approaches for AI systems	AI 系统
<a href="#">ISO/IEC 22100 - 5</a>	Safety of machinery — Relationship with ISO 12100 Part 5: Implications of artificial intelligence machine learning	机械安全与 AI
<a href="#">ISO/IEC 5339</a>	Information technology — Artificial intelligence — Guidance for AI applications	AI 应用
<a href="#">ISO/IECTS 8200</a>	Information technology — Artificial intelligence — Controllability of automated artificial intelligence systems	人工智能 可控性
<a href="#">ISO/IEC 27403</a>	Cybersecurity — IoT security and privacy — Guidelines for IoT— domotics	人工智能与 网络安全
<a href="#">ISO/IECTR 17903</a>	Information technology — Artificial intelligence — Overview of machine learning computing devices	机器学习设备
<a href="#">ISO/IECTS 25058</a>	Systems and software engineering — Systems and software Quality Requirements and Evaluation (SQuaRE) — Guidance for quality evaluation of artificial intelligence (AI) systems	人工智能评估



## 数据

### Data

标准号 STANDARD NUMBER	标准名称 STANDARD NAME	标准关键词 KEYWORDS
<a href="#">ISO/IECTR 20547</a>	Information technology — Big data reference architecture	大数据
<a href="#">ISO 8000 - 8</a>	Information and data quality — Concepts and measuring	数据质量
<a href="#">ISO/IEC 25024</a>	Systems and software engineering — Systems and software Quality Requirements and Evaluation (SQuaRE) — Measurement of data quality	数据质量
<a href="#">ISO/IEC 20546</a>	Information technology — Big data — Overview and vocabulary	大数据
<a href="#">ISO/IEC 24668</a>	Information technology — Artificial intelligence — Process management framework for big data analytics	大数据
<a href="#">ISO/IEC 5392</a>	Information technology — Artificial intelligence — Reference architecture of knowledge engineering	AI 知识工程
<a href="#">ISO/IEC 8183</a>	Information technology — Artificial intelligence — Data life cycle framework	数据生命周期

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德国莱茵 TÜV 大中华区  
TÜV Rheinland Greater China  
服务热线 Hotline  
4008831300  
+852 21921022 (中国香港 Hong Kong)  
service-gc@tuv.com

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