

Global AI Legislations Overview

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Global AI Legislations are entering into enforce:

- EU: 2025-02-02
- South Korea: 2026-01-22
- Peru: 2026-01-22
- Vietnam: 2026-03-01
- UAE: 2026-03
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Global AI Legislations Violation Cost:

Region/Country	Max. Monetary Fine	Legislation
EU	€35M / 7% revenue	EU AI Act
South Korea	~ 21,000 USD	AI Framework Act
	10% revenue	Personal Information Protection Act
Vietnam	~ 80,000 USD / 2% revenue	No. 134/2025/QH15 on AI
Peru	~ 144,000 USD	No. 115-2025-PCM
UAE	~ 2.7M USD	Dubai AI Act 2026

Global AI Regulatory Frameworks: Key Pillars



Prohibitions of
Harmful AIs



Conformity
Assessment of
High Risk AIs



Transparency,
Labelling,
Notification,
Documentation

Criteria for High Risk AI



Safety



Health



Fundamental
Human Rights



Cybersecurity

Roles to take different Obligations

Developer



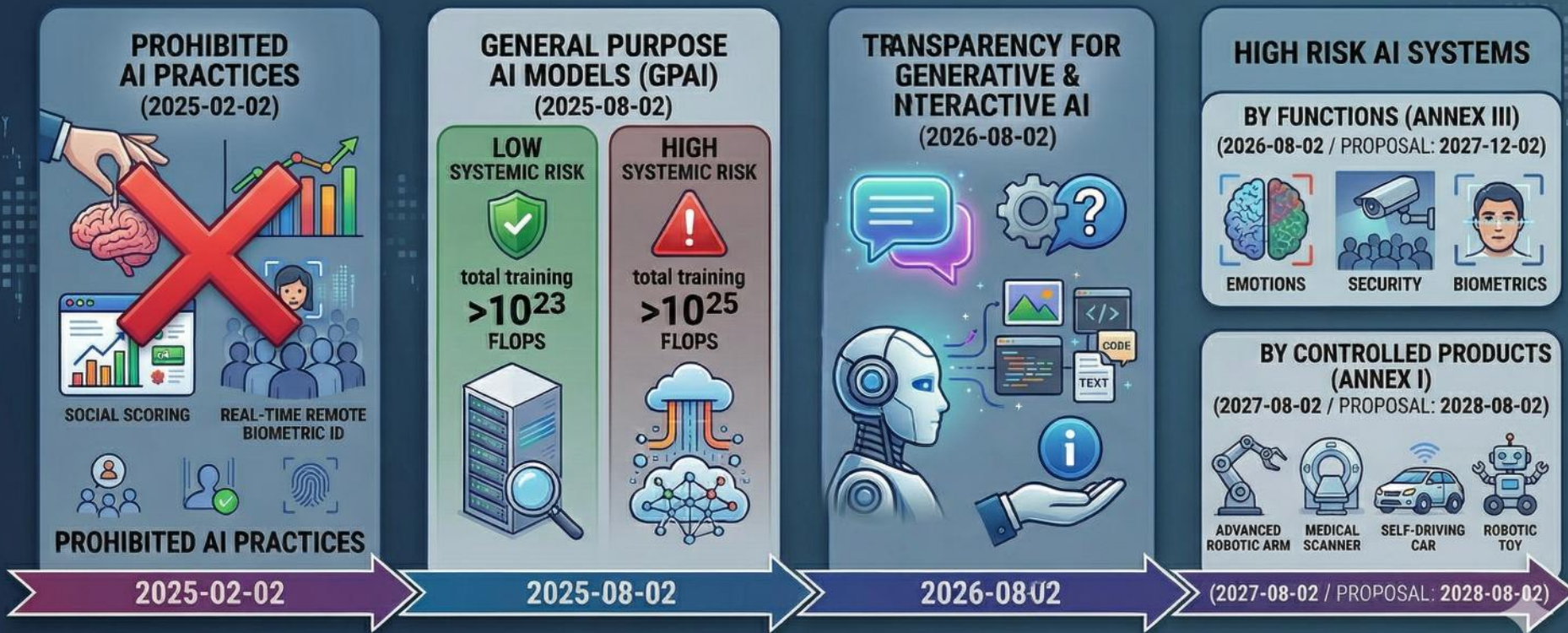
Provider



Deployer



EU AI Act regulated AI groups and Timeline



US current enforcing AI Laws (Chaos)

The Federal Posture: Preemption & Deregulation

Executive Order 14365: National Policy Shift

Issued in Dec 2025, this order revokes previous safeguards to prioritize global AI dominance and mandates the preemption of "onerous" state laws.

\$21 Billion in Grant Leverage

The federal government is withholding BEAD infrastructure funds from states that maintain restrictive AI statutes, forcing a choice between regulation and funding.

The TAKE IT DOWN Act (Enacted 2025)

A rare federal success, this law mandates a **48-hour notice-and-removal process for non-consensual AI deepfakes**, effective May 19, 2026.

Federal Deepfakes

State Archetypes: Divergent Legal Philosophies

New York (RAISE Act): The Safety Hardliner

10²⁶ Computational Operations

Regulates "Frontier Models" defined by compute costs exceeding \$100M and training thresholds of \$10²⁶ computational operations.

First-of-its-Kind Mandatory Audits

New York's RAISE Act is the first U.S. law to mandate annual third-party conformity audits for frontier model developers.

California: The Transparency Leader

Focuses on data governance (AB 2013) requiring public disclosure of training datasets and AI-generated content watermarking (SB 942).

Texas (TRAIGA): Intent vs. Impact

Rejects statistical "disparate impact" as evidence, liability is only triggered by proven intent to manipulate, discriminate, or infringe on rights.

The Regulatory Sandbox Model

Texas and Utah offer "Sandboxes" where startups can pilot technology with temporary legal immunity in exchange for state oversight.

Illinois (HB 3773): Workplace Guardrails

Specifically targets AI in HR, banning the use of zip codes as proxies for protected classes and offering no exemptions for small businesses.

Compliance & Enforcement Timelines: The Convergence

Jurisdiction	Enforcement Date	Max Penalty (Per Violation)
California	Jan 1, 2026	\$5,000 (56 942)
Texas	Jan 1, 2026	\$200,000 (Uncurable)
Illinois	Jan 1, 2026	Civil Rights Violation Damages
Federal (Deepfakes)	May 19, 2026	3 Years Imprisonment
Tennessee	July 1, 2026	\$5,000 (Mental Health AI)
New York	Jan 1, 2027	\$3,000,000 (Repeat)

US Federal AI Policy Framework (2026-03-20)



Protecting Children & Empowering Parents

Digital Safety & Parental Control: Robust tools for managing privacy, screen time, and content.

Age-Assurance Requirements: Parental attestation for AI services accessed by minors.

Safeguarding & Strengthening Communities

Ratepayer Protection Pledge: Ensure residential electricity costs do not rise.

Streamlined Infrastructure Permitting: Combatting AI-Enabled Fraud: Augment law enforcement to stop AI-driven impersonation scams.



Intellectual Property & Creators

Judicial Resolution of Fair Use: Let courts decide if training AI on copyrighted material is fair use.

Collective Licensing Frameworks: Enable creators to negotiate compensation.



Preventing Censorship & Protecting Free Speech

Banning Government Coercion: Prevent federal forcing of AI content alteration.

Redress for Censorship: Establish legal redress for government censorship attempts.



Enabling Innovation & AI Dominance

AI-Ready Federal Datasets: Make federal data accessible for training advanced AI models.

Sector-Specific Oversight: Use existing regulatory bodies; no new federal AI agency.



Educating Americans & Workforce Readiness

AI-Powered Apprenticeships: Incorporate AI training into existing programs.

Land-Grant Institution Support: Bolster universities to launch demonstration projects and youth AI programs.

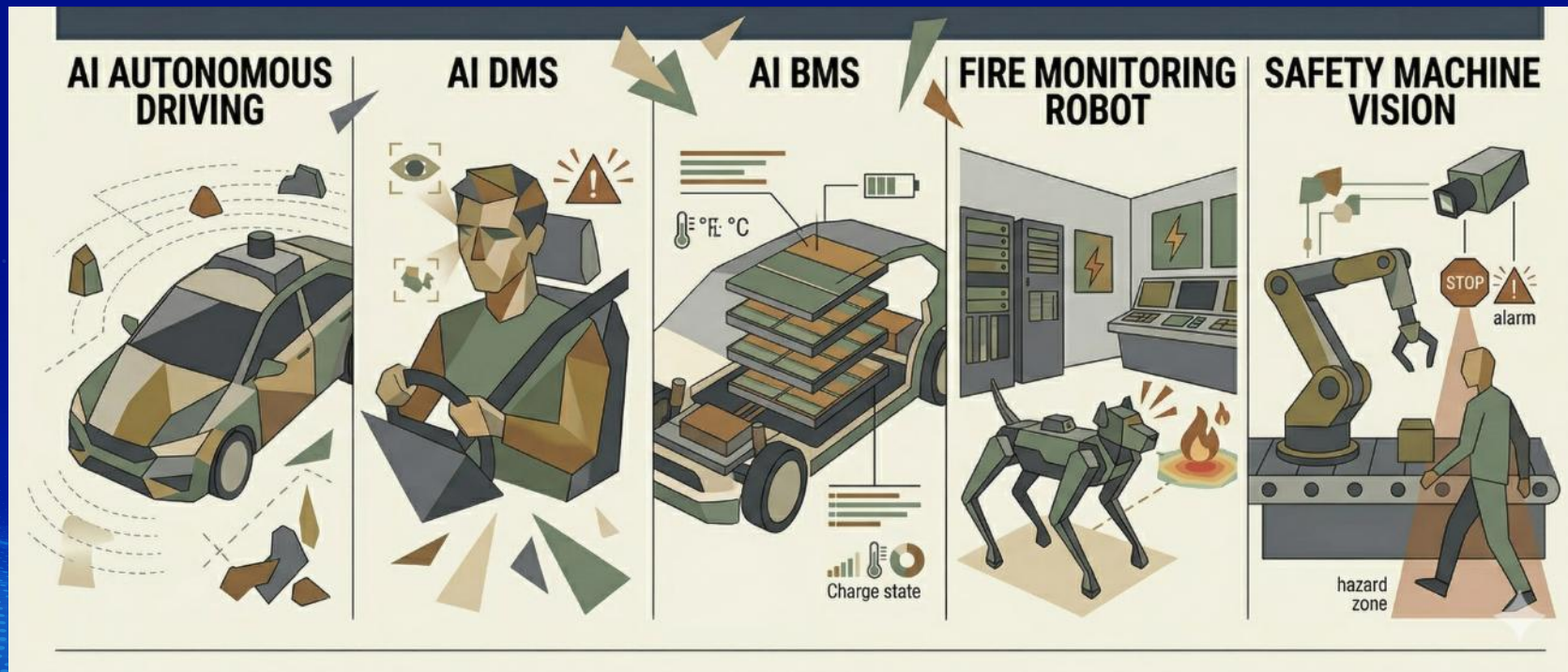
National Policy Framework & Preemption

Preventing State Regulatory Patchwork: Establish a uniform, minimally burdensome national standard by preempting undue state-level AI regulations.

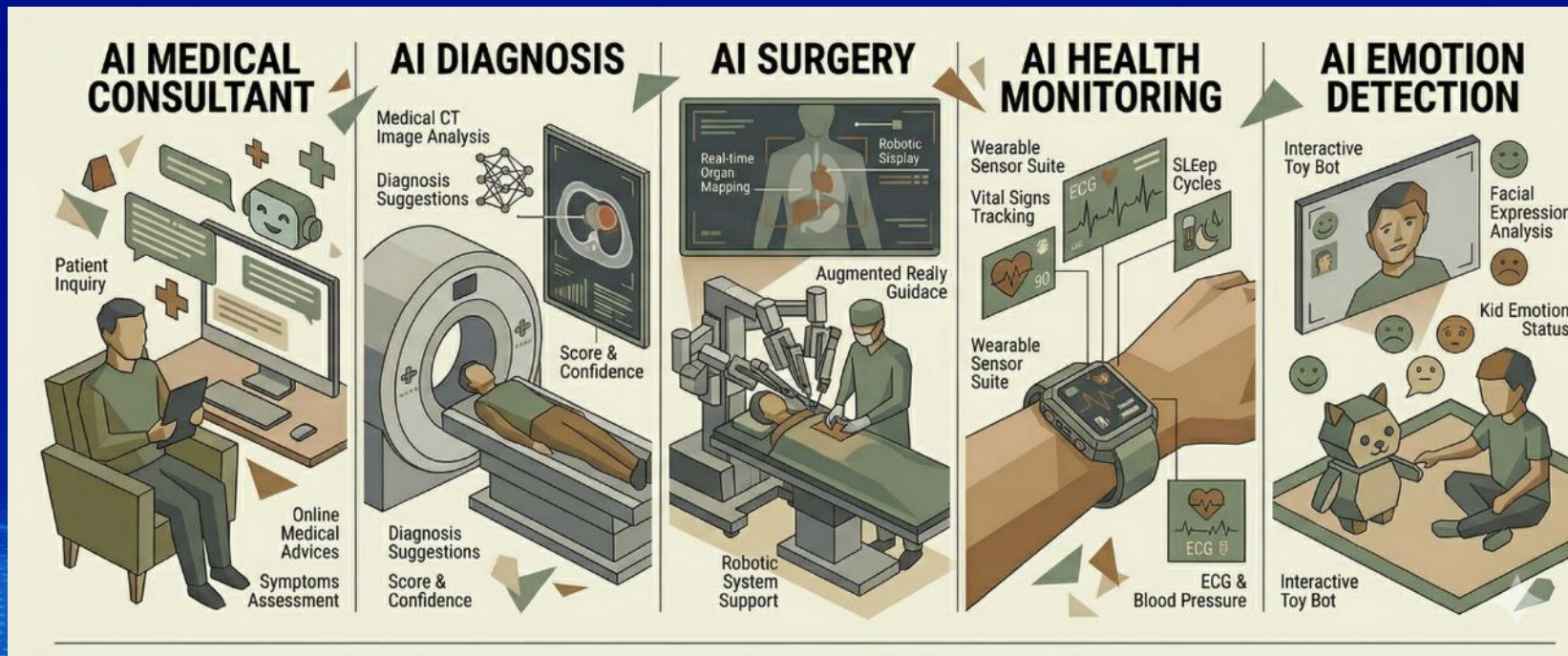
Developer Liability Protection: Prohibit states from penalizing developers for third-party user conduct.



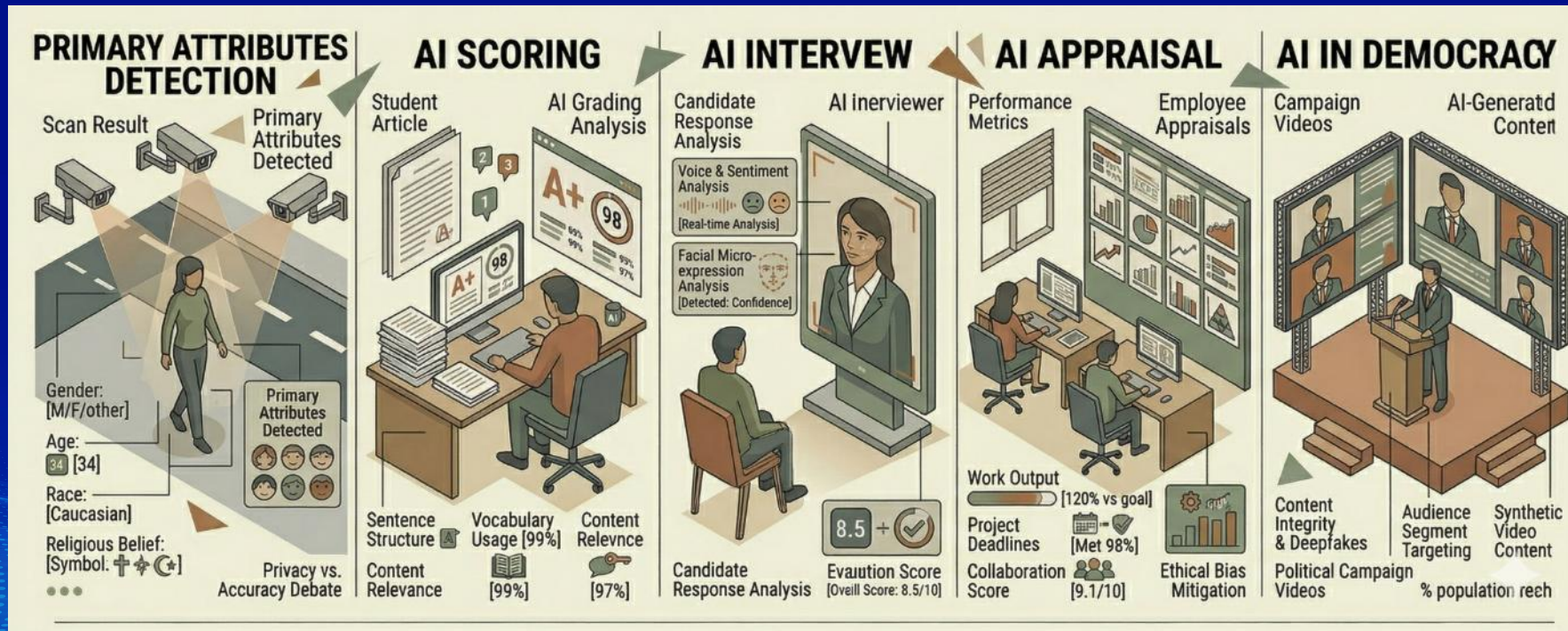
Primary regulated AI applications - **Safety**



Primary regulated AI applications - Health



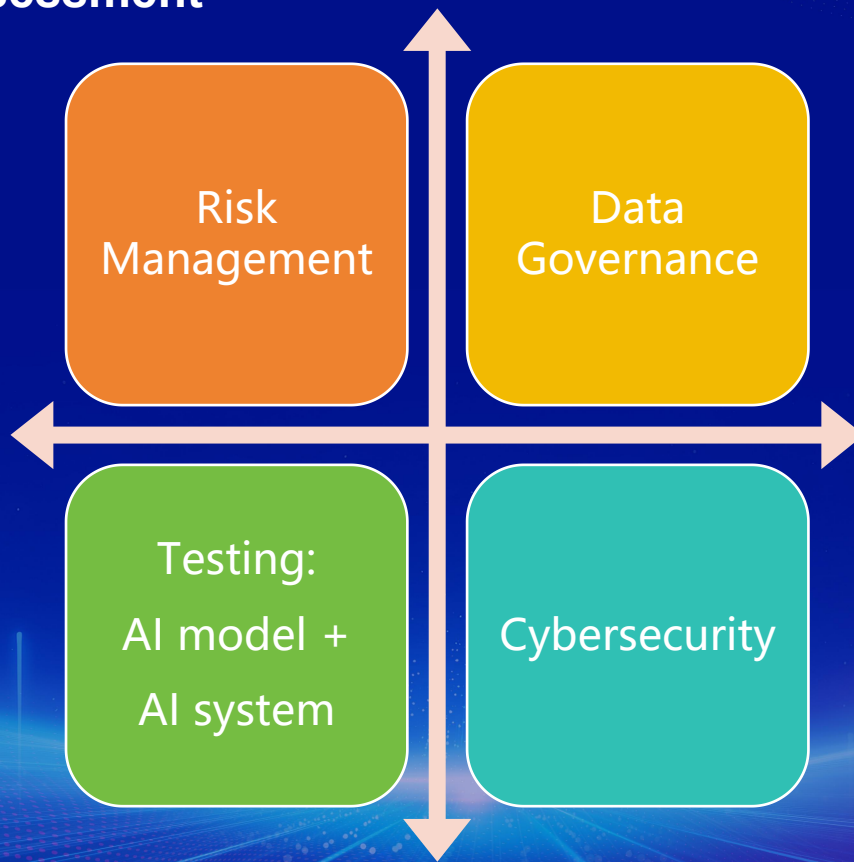
Primary regulated AI applications – Human Rights



Requirements for Regulated AIs



AI Conformity Assessment

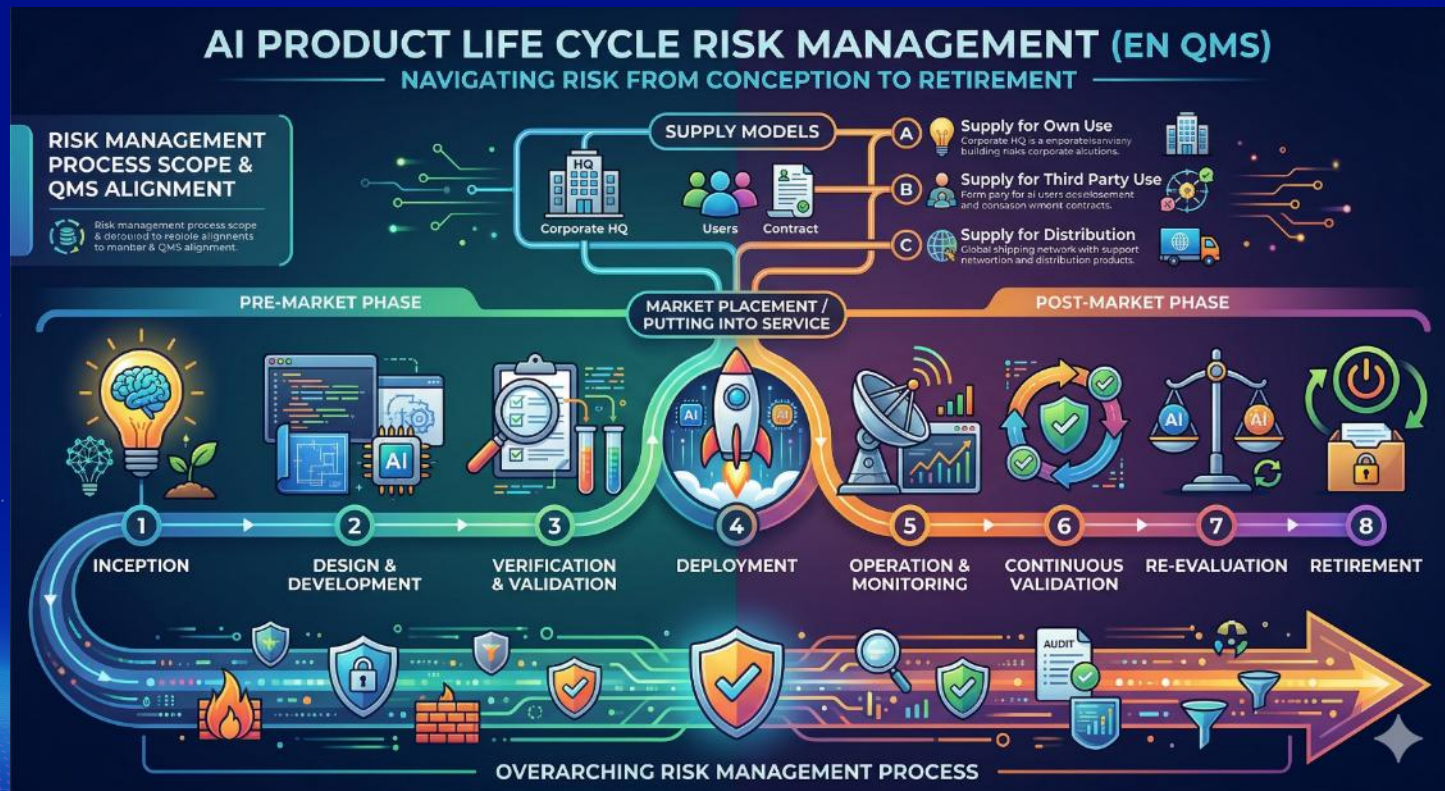


AI Risk Management

Global: ISO/IEC 23894

EU: prEN 18228

US: NIST AI 100-1

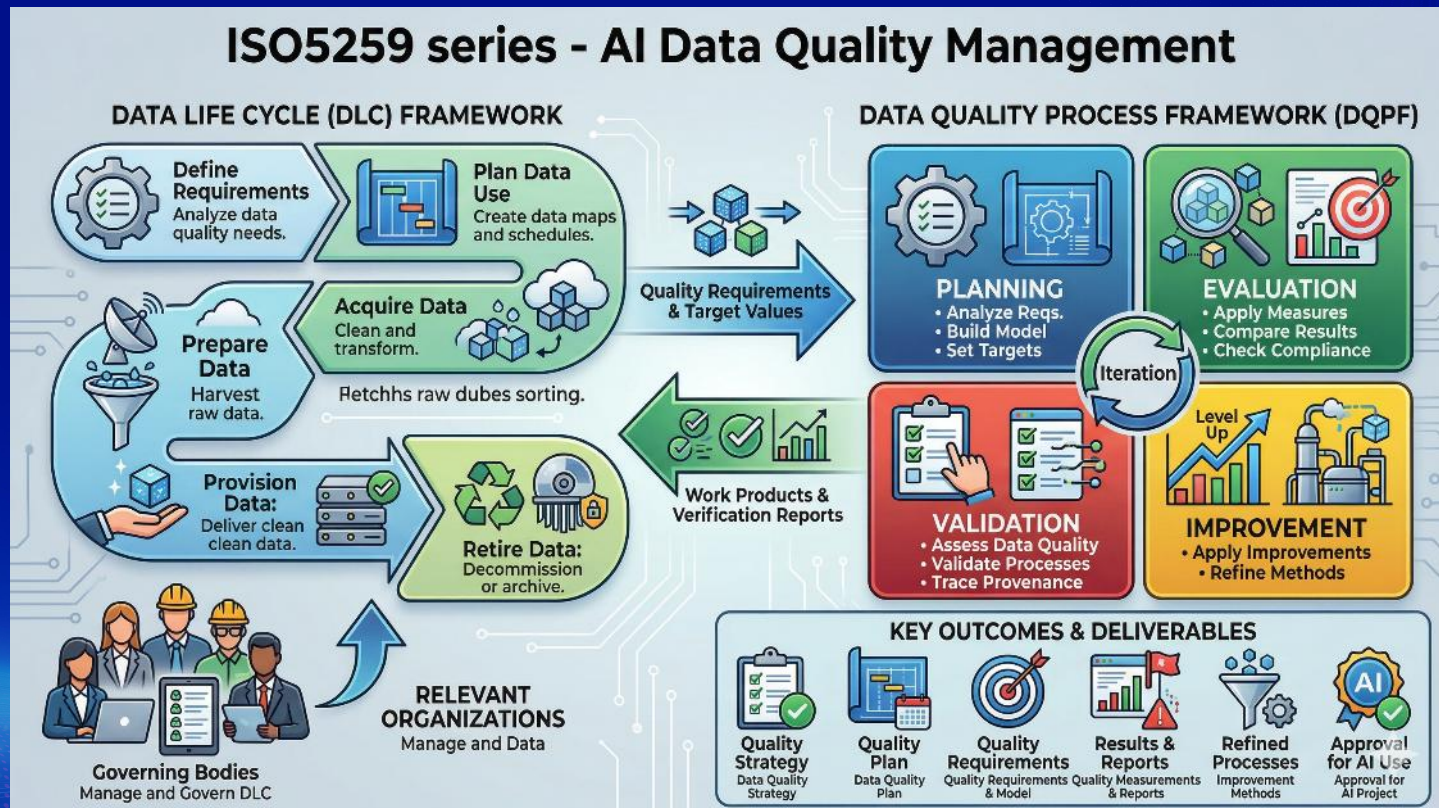


AI Data Quality Governance

Global: ISO 5259 series

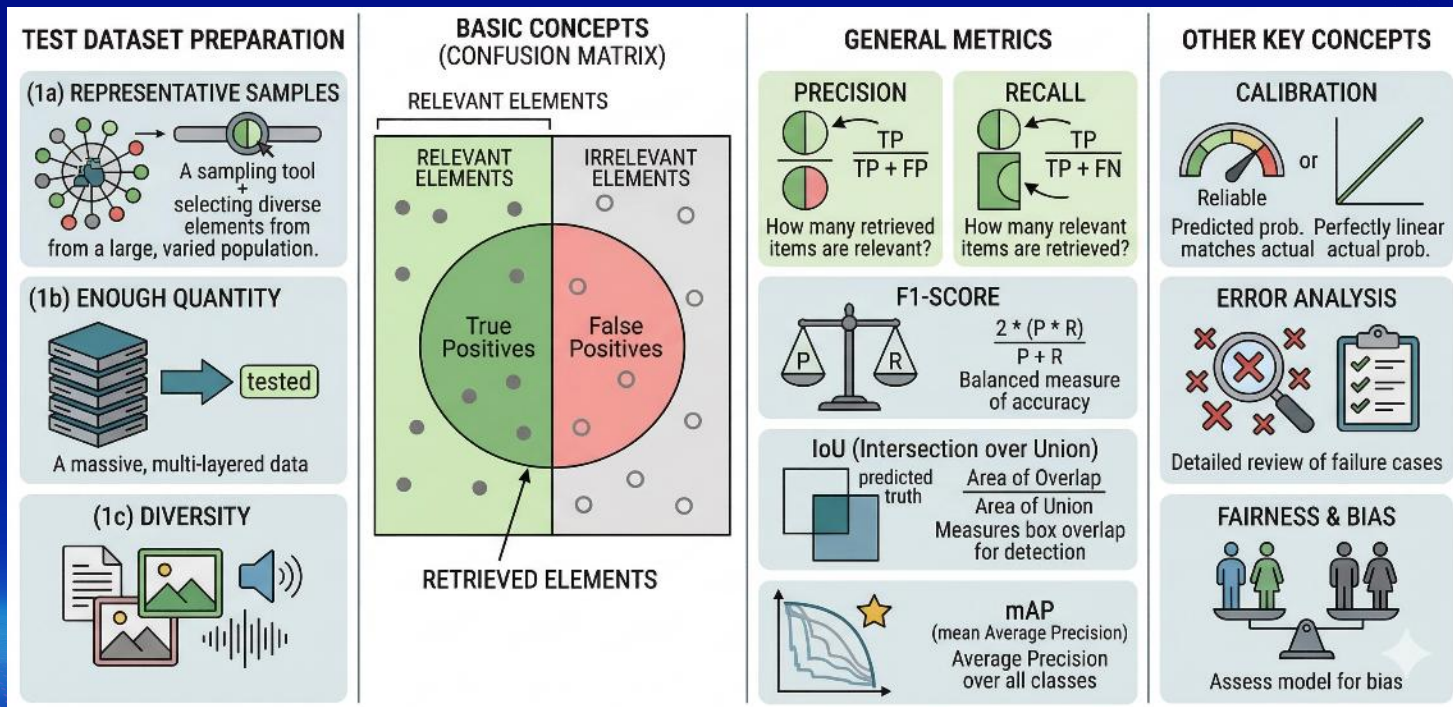
EU: prEN 18284

Bias evaluation shall also be included



AI Model Testing & Metrics

- Only general methodology standards (ISO/IEC TS 25058)
- No product specific testing standards and pass/fail criteria
- You should design the detailed testing plan and thresholds case by case.



AI Applications in Display Industry

Most Display AI applications are not Regulated, such as:

- ❑ Automatic Dimming with environment illuminance
- ❑ Natural spectrum luminance
- ❑ Eye comfort
- ❑ AI 2D to 3D display
- ❑ ...

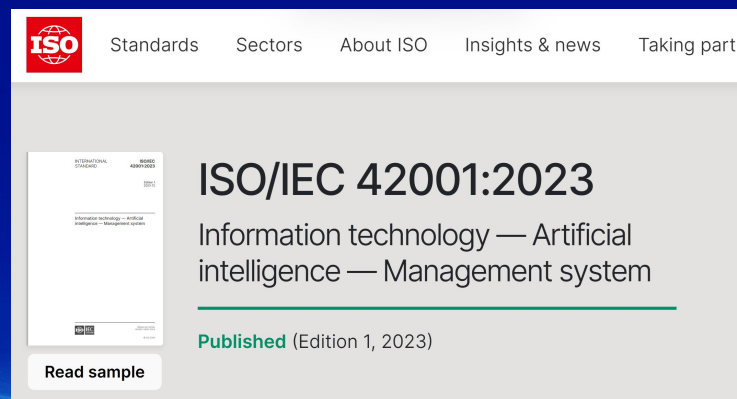
At certain cases, Display performance is covered by AI Regulations:

- ❑ AI controlled display radiance might impact eyes' health
- ❑ Display content itself is regulated, such as:
 - Safety Alarm
 - Regulated AI recognitions: race, emotion, sexual orientation, ...

Preparations for Global AI Regulations Compliance

Certificate of ISO42001
to prove good AI Management

For High Risk AI products
Prepare documents for **AI Risk**
Management and **Data Governance**



What SGS can help you?

Technical Consultancy:

- Training of Global AI Regulations
- Consultancy: in-scope judgment, compliance summary, ...
- Assist you to prepare compliance documents

Certifications (by different SGS company)

- AI Management System: ISO42001
- Conformity Assessment Report
- CE NB Certification

Further Inquiry: Dan.Xie@SGS.com



THANKS