

EU AI ACT 2024 - Overview

General Principles

- **Risk Categorization**
 - **Reference:** Article 6 – Classification of AI systems.
 - High-risk systems include those impacting education per Annex III.
 - **Transparency**
 - **Reference:** Article 52 – Transparency obligations for AI systems.
 - **Accountability**
 - **Reference:** Article 23 – Governance and accountability in high-risk systems.
 - **Human Oversight**
 - **Reference:** Article 14 – Human oversight requirements for AI systems.
 - **Ethical Framework**
 - **Reference:** Article 9 – Risk management system requirements.
-

Data Handling

- **Data Privacy**
 - **Reference:** Article 10 – Quality of datasets, aligned with GDPR (General Data Protection Regulation).
 - **Bias Mitigation**
 - **Reference:** Article 10 – Avoiding biases in datasets.
 - **Data Security**
 - **Reference:** Article 15 – Cybersecurity requirements for AI systems.
 - **Data Transparency**
 - **Reference:** Article 13 – Documentation requirements for high-risk systems.
 - **Consent**
 - **Reference:** Article 52 – Consent and communication obligations for users.
-

AI-Driven Learning Tools

- **Content Accuracy**
- **Reference:** Article 10 – Dataset quality assurance.
- **Personalization**
- **Reference:** Article 14 – Aligning personalization with ethical oversight.

- **Feedback Mechanism**
 - **Reference:** Article 54 – Reporting and feedback mechanisms for AI systems.
 - **Inclusivity**
 - **Reference:** Article 10 – Diverse datasets to ensure inclusivity.
 - **Cultural Sensitivity**
 - **Reference:** Article 9 – Risk mitigation strategies, including cultural sensitivity.
-

Grading and Assessments

- **Fairness**
 - **Reference:** Article 7 – Prohibitions of certain AI practices (unfair grading systems).
 - **Explainability**
 - **Reference:** Article 14 – Human oversight to ensure explainability.
 - **Error Correction**
 - **Reference:** Article 56 – Error correction and liability mechanisms.
 - **No Sole Decision-Making**
 - **Reference:** Article 14 – Human oversight in decision-making processes.
 - **Accuracy Validation**
 - **Reference:** Article 10 – Continuous testing for dataset and model accuracy.
-

Student Engagement

- **Interaction Design**
 - **Reference:** Article 14 – Ensuring systems are designed for responsible usage.
 - **Feedback Personalization**
 - **Reference:** Article 9 – Personalization with fairness considerations.
 - **Privacy in Chatbots**
 - **Reference:** Article 52 – Transparency in AI communication tools.
 - **Monitoring Usage**
 - **Reference:** Article 15 – Usage monitoring and cybersecurity protocols.
 - **Emotional AI Limitations**
 - **Reference:** Article 5 – Prohibition of harmful or manipulative AI systems.
-

Training for Educators

- **AI Literacy**
- **Reference:** Article 9 – Training and awareness programs for stakeholders.
- **Bias Awareness**
- **Reference:** Article 10 – Educator training on dataset biases.

- **Decision Oversight**
 - **Reference:** Article 14 – Human decision-making training requirements.
 - **Ethical Use Training**
 - **Reference:** Article 9 – Awareness programs on ethical AI use.
 - **Policy Awareness**
 - **Reference:** Article 23 – Internal policies for AI governance in organizations.
-

Procurement and Deployment

- **Supplier Compliance**
 - **Reference:** Article 24 – Supply chain management obligations.
 - **Documentation**
 - **Reference:** Article 13 – Comprehensive documentation of AI system operations.
 - **Risk Assessment**
 - **Reference:** Article 9 – Risk management plan for deployment.
 - **Third-Party Audits**
 - **Reference:** Article 20 – Conformity assessments by third parties.
 - **Regular Updates**
 - **Reference:** Article 13 – Documentation to reflect system updates.
-

Special Needs and Accessibility

- **Accessibility Features**
 - **Reference:** Article 14 – Inclusion of human oversight for accessibility.
 - **Support for Disabilities**
 - **Reference:** Annex III – High-risk systems, including those designed for disabilities.
 - **Language Support**
 - **Reference:** Article 10 – Dataset diversity, including multilingual data.
 - **Customizable Interfaces**
 - **Reference:** Article 9 – Designing customizable features for inclusivity.
 - **Assistive AI Validation**
 - **Reference:** Article 20 – Validation and testing for assistive technologies.
-

Long-Term Impact

- **Future-Proofing**
- **Reference:** Article 13 – Regular updates and adaptable documentation.
- **Sustainability**
- **Reference:** Article 9 – Environmental considerations in AI usage.

- **Cost-Benefit Analysis**
 - **Reference:** Article 20 – Economic assessment during conformity checks.
 - **Scalability**
 - **Reference:** Article 13 – Design requirements for scalability.
 - **Continuous Improvement**
 - **Reference:** Article 54 – Reporting and adapting AI systems.
-

Stakeholder Engagement

- **Parental Involvement**
 - **Reference:** Article 52 – Transparency obligations to inform all stakeholders.
 - **Student Participation**
 - **Reference:** Article 54 – Mechanisms for user feedback.
 - **Community Outreach**
 - **Reference:** Article 23 – Institutional governance including community input.
 - **Cross-Institution Collaboration**
 - **Reference:** Article 20 – Shared practices through audits and testing.
 - **Regulatory Liaison**
 - **Reference:** Article 62 – Coordination with regulatory authorities.
-

Revision #2

Created 3 December 2024 22:20:35 by Admin

Updated 22 December 2024 11:25:55 by Admin