

# 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.
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## 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.
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## 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.
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## 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.
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## 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.
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## 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.
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## 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.
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## 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.
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## 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.
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# 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.
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