



# Code of practice for Artificial Intelligence

**KEBS TC 94**

**Software Engineering, IT Service  
Management, IT Governance and Artificial  
Intelligence**

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# Kenya Bureau of Standards (KEBS)

- ❖ **KEBS** is the National Standards body in Kenya;
- ❖ Established through “*The Standards Act*” Cap. 496 of the Laws of Kenya;
- ❖ KEBS started its operations on 12th July 1974;
- ❖ Currently responsible to the Ministry of Industry, Trade & Cooperatives

## Information Technology Standards

**KEBS TC 94 is the National Mirror  
Committee to JTC 1**

**SC 42, SC 7 and SC 40**

# **Draft Kenya Standard Code of practice for Artificial Intelligence**

**DKS 3007:2024**

- **Scope**
- **References**
- **Terms and Definitions**
- **Characteristics**
- **Measures, Activities & documentation**

**Current Status : Ballot Draft**

## Scope

This document provides a set of recommendations and activities intended to help the organization develop, provide, or use AI applications responsibly.

## Application

This standards is applicable to any organization that provides or uses products or services that utilize AI applications.



- **ISO/IEC 5339**, Information technology — Artificial intelligence — Guidance for AI applications
- **ISO/IEC 42001:2023**, Information technology — Artificial intelligence — Management system
- **ISO/IEC 5338:2023**, Information technology — Artificial intelligence — AI system life cycle processes
- **NIST AI 100-1**, Artificial Intelligence Risk Management Framework (AI RMF 1.0)
- **EU Artificial Intelligence ACT**

- To propose approaches to establish trust in AI systems.
- Highlight Pitfalls typical associated with threats and risks to AI systems, along with possible mitigation techniques and methods.
- Approaches to assess and achieve trustworthy and privacy of AI systems etc.

## Outlines :

- ❖ characteristics of an AI system
- ❖ Life Cycle Processes of the AI System
- ❖ Stakeholder roles and responsibilities at different stages of process of the life cycle

# Clause 5: Requirements



This Clause specifies characteristic requirements as follows:

- ❖ Functional characteristics of AI
- ❖ Description of requirement
- ❖ Measures and Activities
- ❖ Documentation

# Clause 5.1 AI Trustworthiness



Measures, activities and documentation requirements are outlined for the following sub-characteristics to ensure trust in AI applications:

**Robustness**

**Reliability**

**Resilience**

**Controllability**

**Explainability**

## Predictability

**Transparency**      **verification**

**Validation**      **AI Bias**

**Fairness**

## 5.2 AI Risks Framework



- ❖ The purpose of this process is to identify, analyse, treat and monitor the risks continually throughout the lifecycle of an AI system product or service.
- ❖ Based on NIST AI Risk Management Framework and EU Artificial Intelligence ACT

## 5.3 Ethics and society



### This Clause

- ❖ Recommends an ethical framework to build AI systems in responsible ways
- ❖ Outlines Societal concerns relating to the means of collecting, processing and disclosing of personal data, conceivably with biased opinions



## AI Stakeholder roles

It outlines the roles and responsibilities of All stakeholders in the AI life cycle including,

- ❖ data providers
- ❖ AI Application Developers
- ❖ AI Regulators
- ❖ AI Customers

## Guidance for quality assurance

Provides a quality model for AI systems that assists in developing quality requirements.

The quality characteristics of the quality model of AI systems are references to ISO/IEC 25059

## Guidance to Risk framework

AI risk management is integrated and incorporated into broader enterprise risk management strategies and processes.

Annex C references both NIST AI Risk Assessment framework and the EU ACT and provides guidance for Privacy Risk Assessment.

## Guidance to Risk framework

We are currently organizing a validation workshop to consider the public review comments and look forward to publishing the Kenya Standard in December 2024.

We intend to collaborate regionally and internationally for a common governance framework in the Artificial intelligence space.

A large illustration of a hand with orange skin and blue nail polish is shown writing the words "THANK YOU" in white, uppercase, sans-serif letters on a black chalkboard. The chalkboard has a wooden frame and is set against a white background. The hand is holding a white piece of chalk and is positioned at the end of the word "YOU".

THANK  
YOU