

# AAOM V3.0

THE ACCENTUS AI OPERATING MODEL \U2122 \U2014 A COMPREHENSIVE AI GOVERNANCE FRAMEWORK WITH 47 CONTROLS ACROSS 9 DOMAINS, 7-PHASE LIFECYCLE MANAGEMENT, 4-TIER RISK CLASSIFICATION, AND REGULATORY MAPPING TO 8 GLOBAL STANDARDS.

47

CONTROLS

9

DOMAINS

7

PHASES

8

STANDARDS

## 9 DOMAINS. 47 CONTROLS.

EACH CONTROL IS MAPPED TO LIFECYCLE PHASES, RISK TIERS, AND IMPLEMENTATION PRIORITY.

### GV GOVERNANCE 5 CONTROLS

ID	CONTROL	PHASES	TIERS	PRI
GV-01	AI GOVERNANCE BOARD ESTABLISHMENT	ALL PHASES	ALL TIERS	P1
GV-02	CHIEF AI OFFICER (CAIO) DESIGNATION	ALL PHASES	ALL TIERS	P1
GV-03	AI POLICY & ETHICS FRAMEWORK	ALL PHASES	ALL TIERS	P1
GV-04	STAKEHOLDER ENGAGEMENT	ALL PHASES	TIER 2-3	P2
GV-05	AI COMPETENCY & TRAINING	ALL PHASES	ALL TIERS	P2

### DM DATA MANAGEMENT 6 CONTROLS

ID	CONTROL	PHASES	TIERS	PRI
DM-01	DATA GOVERNANCE & CATALOGING	DATA, DEV, MONITOR	ALL TIERS	P1
DM-02	DATA LINEAGE & PROVENANCE	DATA, DEV	TIER 2-3	P1
DM-03	DATA QUALITY ASSURANCE	DATA, DEV	ALL TIERS	P1
DM-04	BIAS ASSESSMENT IN DATA	DATA, DEV	TIER 2-3	P2
DM-05	PRIVACY & CONSENT MANAGEMENT	ALL PHASES	ALL TIERS	P1
DM-06	DATA LIFECYCLE MANAGEMENT	ALL PHASES	ALL TIERS	P2

### MD MODEL DEVELOPMENT 6 CONTROLS

ID	CONTROL	PHASES	TIERS	PRI
MD-01	MODEL DESIGN GOVERNANCE	DEV, VALID	TIER 2-3	P2
MD-02	TRAINING & EXPERIMENT MGMT	DEV	ALL TIERS	P2
MD-03	PERFORMANCE BENCHMARKING	DEV, VALID	ALL TIERS	P1
MD-04	FAIRNESS & BIAS TESTING	DEV, VALID	TIER 2-3	P2
MD-05	EXPLAINABILITY & INTERPRETABILITY	DEV, VALID	TIER 2-3	P2
MD-06	MODEL DOCUMENTATION (CARDS)	DEV, VALID	ALL TIERS	P2

### SA SECURITY & ASSURANCE 6 CONTROLS

ID	CONTROL	PHASES	TIERS	PRI
SA-01	ADVERSARIAL ROBUSTNESS TESTING	DEV, VALID	TIER 2-3	P2
SA-02	MODEL & ARTIFACT ACCESS CONTROL	ALL PHASES	ALL TIERS	P1
SA-03	SECURE AI DEVELOPMENT PRACTICES	DEV	ALL TIERS	P2
SA-04	RED-TEAMING & PEN TESTING	VALID	TIER 3	P2
SA-05	INPUT/OUTPUT GUARDRAILS	DEPLOY	TIER 2-3	P2
SA-06	SECURITY MONITORING & RESPONSE	MONITOR	ALL TIERS	P3

### DI DEPLOYMENT & INTEGRATION 5 CONTROLS

ID	CONTROL	PHASES	TIERS	PRI
DI-01	DEPLOYMENT APPROVAL	DEPLOY	ALL TIERS	P1
DI-02	SYSTEM INTEGRATION	DEPLOY	ALL TIERS	P2
DI-03	HUMAN OVERSIGHT (HITL)	DEPLOY	TIER 2-3	P1
DI-04	OPERATIONAL READINESS	DEPLOY	ALL TIERS	P2
DI-05	ROLLBACK & RECOVERY	DEPLOY	ALL TIERS	P2

**MM MONITORING & MAINTENANCE** 5 CONTROLS

ID	CONTROL	PHASES	TIERS	PRI
MM-01	PERFORMANCE & DRIFT MONITORING	MONITOR	ALL TIERS	P1
MM-02	RETRAINING GOVERNANCE	MONITOR	ALL TIERS	P2
MM-03	FEEDBACK LOOP MANAGEMENT	MONITOR	TIER 2-3	P3
MM-04	AI INCIDENT MANAGEMENT	MONITOR	ALL TIERS	P1
MM-05	DECOMMISSIONING & RETIREMENT	END	ALL TIERS	P3

**CD COMPLIANCE & DOCUMENTATION** 5 CONTROLS

ID	CONTROL	PHASES	TIERS	PRI
CD-01	AI SYSTEM INVENTORY	ALL PHASES	ALL TIERS	P1
CD-02	IMPACT & CONFORMITY ASSESSMENT	IDEATION	TIER 2-3	P1
CD-03	AUDIT TRAIL & LOGGING	ALL PHASES	ALL TIERS	P2
CD-04	TRANSPARENCY REPORTING	ALL PHASES	TIER 2-3	P2
CD-05	REGULATORY CHANGE MGMT	ALL PHASES	ALL TIERS	P3

**RM RISK MANAGEMENT** 4 CONTROLS

ID	CONTROL	PHASES	TIERS	PRI
RM-01	AI RISK TIERING FRAMEWORK	IDEATION	ALL TIERS	P1
RM-02	AI RISK ASSESSMENT	ALL PHASES	ALL TIERS	P1
RM-03	RESIDUAL RISK ACCEPTANCE	VALID	TIER 2-3	P2
RM-04	CONTINUOUS RISK MONITORING	MONITOR	ALL TIERS	P2

**RT THIRD-PARTY & VENDOR RISK** 5 CONTROLS

ID	CONTROL	PHASES	TIERS	PRI
RT-01	VENDOR AI ASSESSMENT	IDEATION	ALL TIERS	P2
RT-02	AI VENDOR CONTRACTS	IDEATION	ALL TIERS	P2
RT-03	SUPPLY CHAIN RISK MGMT	ALL PHASES	TIER 2-3	P2
RT-04	THIRD-PARTY GOVERNANCE	DATA, DEV	TIER 2-3	P3
RT-05	VENDOR PERFORMANCE REVIEW	MONITOR	ALL TIERS	P3

LIFECYCLE

## 7-PHASE AI LIFECYCLE.

END-TO-END GOVERNANCE GATES ENSURING COMPLIANCE AT EVERY STAGE.

<b>01</b>	<b>IDEATION</b>	PROBLEM DEFINITION, USE CASE SCOPING, AND INITIAL RISK TIERING.
<b>02</b>	<b>DATA</b>	DATA SOURCING, GOVERNANCE, QUALITY ASSURANCE, AND BIAS ASSESSMENT.
<b>03</b>	<b>DEVELOPMENT</b>	MODEL DESIGN, TRAINING, EXPERIMENTATION, AND DOCUMENTATION.
<b>04</b>	<b>VALIDATION</b>	TESTING, BENCHMARKING, FAIRNESS, EXPLAINABILITY, AND RED-TEAMING.
<b>05</b>	<b>DEPLOYMENT</b>	APPROVAL GATES, SYSTEM INTEGRATION, HITL, AND OPERATIONAL READINESS.
<b>06</b>	<b>MONITOR</b>	PERFORMANCE TRACKING, DRIFT DETECTION, INCIDENT MANAGEMENT, AND RETRAINING.
<b>07</b>	<b>END</b>	DECOMMISSIONING, RETIREMENT, AND KNOWLEDGE TRANSFER.

### 4-TIER RISK CLASSIFICATION.

<b>T4</b>	<b>UNACCEPTABLE</b>	PROHIBITED USE CASES. NO DEPLOYMENT PERMITTED.
<b>T3</b>	<b>HIGH RISK</b>	MAXIMUM CONTROLS. ALL 47 APPLICABLE. CONTINUOUS MONITORING.
<b>T2</b>	<b>LIMITED RISK</b>	ENHANCED CONTROLS. TRANSPARENCY & DOCUMENTATION REQUIRED.
<b>T1</b>	<b>MINIMAL RISK</b>	BASELINE CONTROLS. CORE GOVERNANCE AND MONITORING.

### 7 DEFINED ROLES.

**AI GOVERNANCE BOARD**

STRATEGIC OVERSIGHT AND POLICY DIRECTION

**CHIEF AI OFFICER (CAIO)**

ACCOUNTABILITY OWNER FOR AI PROGRAMS

**INTERNAL AUDIT**

INDEPENDENT ASSURANCE AND COMPLIANCE VERIFICATION

**AI ETHICS OFFICER**

ETHICAL REVIEW AND BIAS MITIGATION

**AI RISK MANAGER**

RISK IDENTIFICATION, ASSESSMENT, AND MONITORING

**AI SECURITY OFFICER**

SECURITY ARCHITECTURE AND THREAT RESPONSE

**COMPLIANCE OFFICER**

REGULATORY ALIGNMENT AND AUDIT READINESS

### 6-LEVEL MATURITY SCALE.

<b>0</b>	<b>NON-EXISTENT</b>	NO AWARENESS OF AI GOVERNANCE REQUIREMENTS.
<b>1</b>	<b>INITIAL</b>	AD HOC PROCESSES. REACTIVE AND UNSTRUCTURED.
<b>2</b>	<b>DEVELOPING</b>	DOCUMENTED PROCESSES. BEGINNING TO FORMALIZE.
<b>3</b>	<b>DEFINED</b>	STANDARDIZED ACROSS THE ORGANIZATION.
<b>4</b>	<b>MANAGED</b>	QUANTITATIVE MEASUREMENT AND OPTIMIZATION.
<b>5</b>	<b>OPTIMIZING</b>	CONTINUOUS IMPROVEMENT. INDUSTRY-LEADING.

### 8 GLOBAL STANDARDS.

AAOM CONTROLS MAPPED TO MAJOR REGULATORY FRAMEWORKS.

NIST AI RMF	EU AI ACT	ISO/IEC 42001	EO 14110
OMB M-24-10	NIST 800-53	NIST CSF 2.0	IEEE 7000

### AUTONOMOUS AGENT CONTROLS.

SPECIALIZED GOVERNANCE FOR AGENTIC SYSTEMS.

<b>AGENT AUTONOMY LEVELS</b> DEFINED TIERS WITH ESCALATION AND OVERRIDE.	<b>TOOL USE GOVERNANCE</b> PERMISSION BOUNDARIES AND ACTION LOGGING.	<b>ORCHESTRATION OVERSIGHT</b> MULTI-AGENT COORDINATION AND CHAIN-OF-CUSTODY.
<b>HUMAN-IN-THE-LOOP</b> MANDATORY CHECKPOINTS WITH REAL-TIME INTERVENTION.	<b>GUARDRAIL ENFORCEMENT</b> I/O VALIDATION AND BEHAVIORAL BOUNDARIES.	<b>AUDIT &amp; TRACEABILITY</b> FULL DECISION CHAIN LOGGING FOR EVERY ACTION.