CERTIFICATION SYLLABUS

Certified Artificial Intelligence Leader

Exam Code: CAIL™



A complete preparation guide covering exam objectives, core competencies, domain weightage, and topics to prepare.

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   - *Generative AI Adoption & AI Security Leadership*

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Objective of the Certification

- **Build the ability to set AI strategy:** align AI initiatives with business goals, identify high-value use cases, and decide where AI creates a competitive advantage.
- **Develop AI governance capability:** establish policies, roles, decision rights, and oversight forums for the responsible use of AI across the organization.
- **Strengthen risk and compliance leadership:** apply the NIST AI Risk Management Framework, ISO/IEC 42001, and the risk-based approach of the EU AI Act to manage AI risk.
- **Lead responsible and ethical AI:** embed fairness, transparency, accountability, privacy, and human oversight into AI products and decisions.
- **Understand data and technology foundations at a leadership level:** data quality and governance, platform choices, and the build, buy, or partner decision.
- **Design the AI operating model and talent strategy:** centers of excellence, hub-and-spoke structures, roles, skills, and AI literacy programs.
- **Lead change and adoption:** engage stakeholders, manage resistance, and guide the workforce through AI-driven change.
- **Manage AI programs, investment, and value:** prioritize a portfolio, run pilots, build business cases, and measure the value actually realized.
- **Lead the safe adoption of generative AI:** set acceptable use rules, manage data exposure and shadow AI, and address security and vendor risks.
- **Create a foundation for senior AI leadership roles:** building on the knowledge developed through CAIF™ and CAIP™ and preparing professionals for executive-level responsibility for AI.

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Core Competencies — CAIL™ (Artificial Intelligence Leader)



1. AI Strategy & Business Value

- Link AI opportunities to business strategy, customer value, and competitive advantage.
- Identify and prioritize use cases using value, feasibility, risk, and data readiness.
- Distinguish where AI, automation, or simple analytics is the right tool for a problem.

2. AI Governance, Risk & Compliance

- Define AI policies, roles, decision rights, and oversight forums, such as an AI governance board.
- Apply the NIST AI Risk Management Framework, ISO/IEC 42001, and the risk-based approach of the EU AI Act.
- Establish a model inventory, risk classification, documentation, and audit practices.

3. Responsible AI, Ethics & Trust

- Embed fairness, transparency, accountability, privacy, and safety in AI products and decisions.
- Decide when and how human oversight is needed, including human-in-the-loop designs.
- Respond to AI incidents, bias findings, and stakeholder concerns through a clear process.

4. Data & Technology Foundations for AI

- Explain why data quality, ownership, and governance determine AI success.
- Make informed build, buy, or partner decisions for AI capabilities.

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- Understand cloud, platform, and architecture choices at a leadership level, including cost and scalability.

5. AI Operating Model, Talent & Change Leadership

- Choose an AI operating model such as a center of excellence, hub-and-spoke, or federated structure.
- Plan the roles, skills, hiring, and AI literacy programs that the organization needs.
- Lead change by engaging stakeholders, addressing resistance, and communicating the purpose of AI adoption.

6. AI Program, Portfolio & Value Management

- Build business cases that cover benefits, costs, risks, and total cost of ownership.
- Move initiatives from pilot to production using stage gates and clear success criteria.
- Define KPIs and measure realized value, adoption, and risk over time.

7. Generative AI Adoption & AI Security Leadership

- Set acceptable use policies for generative AI and manage shadow AI.
- Recognize risks such as data leakage, hallucination, prompt injection, intellectual property exposure, and over-reliance.
- Assess AI vendors and third-party models for security, privacy, and contractual risk.

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Who Should Take This Certification

- Senior managers, directors, and heads of technology, data, or digital transformation.
- Chief data, analytics, information, or technology officers and their direct reports.
- Product and business unit leaders who sponsor or own AI initiatives.
- Risk, compliance, legal, and audit leaders who oversee the use of AI.
- Program and portfolio managers who deliver AI programs.
- Consultants and advisors who guide organizations on AI strategy and adoption.

Exam Information

Exam Name	Artificial Intelligence Leader
Exam Code	CAIL™
Exam Format	Multiple Choice Questions (MCQ), including scenario-based questions
Duration	150 minutes
Number of Questions	90
Passing Score	75%
Mode of Exam	Test Center Based Testing / Online Testing
Language	English
Validity	Lifetime
Open Book	No

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Examination Domain & Weightage

Domain	Weightage
AI Strategy & Business Value	20%
AI Governance, Risk & Compliance	20%
Responsible AI, Ethics & Trust	10%
Data & Technology Foundations for AI	10%
AI Operating Model, Talent & Change Leadership	20%
AI Program, Portfolio & Value Management	10%
Generative AI Adoption & AI Security Leadership	10%
Total	**100%**

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Topics to Prepare

The topics below represent the core areas candidates should focus on for each domain, reflecting the leadership-level depth expected at the CAIL™ level.

1. AI Strategy & Business Value (20%)

- **AI Strategy:** Aligning AI with vision, business goals, and competitive position.
- **Use Case Identification:** Finding opportunities across customer, operations, risk, and employee experience.
- **Prioritization:** Scoring use cases on value, feasibility, risk, and data readiness.
- **AI Maturity and Roadmap:** Assessing organizational readiness and sequencing initiatives over time.

2. AI Governance, Risk & Compliance (20%)

- **Governance Structures:** AI policies, a governance board, roles, and decision rights.
- **Frameworks and Standards:** The NIST AI Risk Management Framework (Govern, Map, Measure, Manage) and ISO/IEC 42001.
- **Regulation:** The risk tiers of the EU AI Act and the general direction of AI regulation.
- **Model Risk Management:** Inventory, risk classification, validation, documentation, and audit.

3. Responsible AI, Ethics & Trust (10%)

- **Principles:** Fairness, transparency, accountability, privacy, safety, and human oversight.
- **Bias and Fairness:** Detecting bias, setting fairness expectations, and handling findings.
- **Explainability and Transparency:** Model documentation and communicating decisions to affected people.
- **Incident Response:** Escalation and remediation when AI causes harm.
- **Trust:** Building confidence among customers, employees, and regulators.

4. Data & Technology Foundations for AI (10%)

- **Data Strategy:** Data ownership, quality, governance, and access.
- **Data Readiness:** Judging whether data is sufficient, representative, and lawful to use.
- **Build, Buy, or Partner:** Criteria for choosing among custom development, vendor products, and partnerships.
- **Platforms and Architecture:** Cloud services, MLOps platforms, scalability, and cost control.

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5. AI Operating Model, Talent & Change Leadership (20%)

- **Operating Models:** Centralized center of excellence, federated, and hub-and-spoke structures.
- **Roles and Skills:** Data scientists, ML engineers, product owners, and governance roles.
- **Talent Strategy:** Hiring, upskilling, and AI literacy for all employees.
- **Change Leadership:** Sponsorship, communication, resistance management, and adoption measures.
- **Culture:** Encouraging experimentation while keeping accountability.

6. AI Program, Portfolio & Value Management (10%)

- **Business Cases:** Benefits, costs, total cost of ownership, and risks.
- **Pilots to Production:** Proofs of concept, stage gates, and scaling criteria.
- **Portfolio Management:** Balancing quick wins, strategic bets, and risk exposure.
- **Value Measurement:** KPIs for business impact, adoption, quality, and risk.

7. Generative AI Adoption & AI Security Leadership (10%)

- **Acceptable Use:** Policies for employee use of generative AI tools and the handling of shadow AI.
- **Generative AI Risks:** Hallucination, data leakage, intellectual property, and over-reliance.
- **AI Security:** Prompt injection, data poisoning, model theft, and access control.
- **Vendor and Third-Party Risk:** Due diligence, contract terms, and data handling.
- **Responsible Scaling:** Human review, monitoring, and measured rollout of generative AI.

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