
Chief Digital Officer (CDO) Executive Programme

1 – 5 February 2027
Cape town





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Ref: 1714_5761 **Date:** 1 – 5 February 2027 **Location:** Cape town **Fees:** 4800 GBP

Programme Summary

Enterprise executive teams require dedicated leadership capable of unifying technical modernization, data asset stewardship, and board-level risk oversight into a coherent corporate agenda. The Chief Digital Officer CDO Programme provides C-suite executives and division heads with structured frameworks to direct enterprise AI and data governance, establish transparent board reporting protocols, and oversee expansive modernization portfolios. Participants examine accountability models, capital budgeting disciplines, and resilience architectures necessary to steer complex institutional environments. This masterclass is delivered by Mars Training Centre UK.

The Business Case

Organisations confronting accelerated algorithmic deployment and fragmented legacy systems face heightened exposure when executive oversight remains compartmentalised. Aligning technological modernisation with defensible oversight protocols protects corporate assets, satisfies fiduciary obligations, and converts technology expenditure into verifiable institutional performance.

- **Board Accountability:** Establishes auditable reporting mechanisms that demystify technical exposure for audit, risk, and supervisory committees.
- **Enterprise AI and Information Oversight:** Instituting unified data architectures and algorithmic controls prevents compliance failures and proprietary data compromise.
- **Syndicated Capital Stewardship:** Compresses wasted capital expenditure by prioritising scalable platform investments over disconnected divisional initiatives.
- **Cross-Functional Cohesion:** Bridges operational divides between enterprise technology units, legal counsels, and commercial lines of revenue.

Principles and Evidence Base

- **ISO/IEC 38500 Corporate Governance of Information Technology:** Informs the structural principles for board evaluation, direction, and monitoring of technology capabilities.
- **ISO/IEC 42001 Artificial Intelligence Management System:** Guides the systematic governance, ethical auditing, and risk management of algorithmic technologies across the firm.
- **COBIT Framework:** Directs internal control alignment, maturity benchmarking, and process governance across hybrid computing environments.



Intended Participants

- Appointed executive leaders managing enterprise modernization, information architecture, and algorithmic operations.
- Chief technology and information heads expanding their scope to encompass broader corporate governance and board stewardship.
- Executive vice presidents and division heads steering commercial platforms, omni-channel portfolios, and customer intelligence ecosystems.
- Corporate advisory partners and governance professionals guiding enterprise modernisation committees and institutional boards.

The curriculum directly supports executive decision-makers operating within banking, telecommunications, retail distribution, life sciences, and heavy industrial syndicates.

Learning Outcomes

1. Participants will be able to formulate an authoritative C-suite remit aligned with institutional governance mandates and fiduciary duties.
2. Participants will be able to construct robust board reporting mechanisms that articulate technological risk, architectural debt, and value creation.
3. Participants will be able to establish enterprise AI and data governance systems satisfying international assurance and ethical standards.
4. Participants will be able to implement disciplined capital allocation frameworks for complex platform portfolios and multi-vendor ecosystems.
5. Participants will be able to audit operational resilience, cloud dependency risks, and systemic cybersecurity posture across critical operations.
6. Participants will be able to institute cross-divisional operating charters that integrate technical capabilities into core commercial workflows.

Programme Structure

Day 1: Executive Mandate and Corporate Governance Alignment

How do executive leaders define their enterprise remit and establish defensible governance at board level?

- ISO/IEC 38500 Corporate Governance of Information Technology Alignment
- Defining Fiduciary Boundaries and Executive Committee Jurisdictions
- Audit and Risk Committee Engagement Protocols
- Fostering Boardroom Literacy for Algorithmic and Cloud Investments
- Structuring Executive Charters and Modernisation Steering Committees

Day 2: Enterprise AI and Data Governance Systems

How are algorithmic pipelines and corporate data architectures governed to ensure compliance and value realisation?



- ISO/IEC 42001 Operational Frameworks and Algorithmic Auditing
- Corporate Data Valuation, Stewardship, and Sovereignty Protections
- Mitigating Algorithmic Bias, Model Drift, and Intellectual Property Exposure
- Establishing Cross-Functional Machine Intelligence Review Boards
- Architecting Enterprise Data Pipelines for Regulated Operational Environments

Day 3: Technology Infrastructure, Cloud, and Resilience Oversight

How do leaders evaluate technical debt, multi-cloud architectures, and cyber risk across distributed portfolios?

- Evaluating Monolithic Technical Debt and Modernisation Trade-Offs
- Sovereign Cloud, Multi-Cloud Risk, and Vendor Concentration Audits
- Enterprise Cybersecurity Posture and Operational Resilience Standards
- Business Continuity Protocols for High-Frequency Service Outages
- Infrastructure Modernisation Metrics and Systemic Risk Indicators

Day 4: Capital Allocation, Vendor Ecosystems, and Portfolio Prioritisation

How are major technological investments budgeted, contracted, and steered across multiple business divisions?

- Capital Expenditure versus Operational Expenditure Portfolio Modelling
- Staged Gate Investment Governance and Value Realisation Tracking
- Enterprise Vendor Governance, Tier-1 Contracting, and Exit Strategies
- Consolidating Redundant Toolsets and SaaS Estate Proliferation
- Prioritising Enterprise Platforms against Divisional Discretionary Requests

Day 5: Board Reporting, Stakeholder Consensus, and Executive Stewardship

How do executive leaders report technical risk to audit committees and articulate value creation to institutional stakeholders?

- Executive Dashboard Architecture for Supervisory Boards
- Translating Technological Key Performance Indicators into Financial Terms
- Navigating Executive Peer Dynamics and Cross-Functional Friction
- Institutional Stakeholder Communication during Systemic Outages
- Developing the 100-Day Executive Governance Blueprint



Methodology

The sessions employ an executive syndicate model combining leadership masterclasses, diagnostic peer reviews, and simulated board committee hearings. Participants interrogate real-world corporate governance filings, evaluate crisis scenarios, and formulate defensible executive charters for immediate operational deployment.

- Suggested activity: Formulating a board risk briefing addressing a critical platform failure and proposed capital remedies.
- Suggested activity: Designing an enterprise algorithmic policy framework adhering to ISO/IEC 42001 standards.
- Suggested activity: Conducting an investment prioritisation defence before a simulated executive investment committee.

Capstone Output

Each participant synthesises an Executive Governance Blueprint comprising an enterprise oversight charter, a board-level risk reporting dashboard, and a capital allocation matrix. This document provides a tested operational blueprint ready for presentation to executive boards and governance committees.

Frequently Asked Questions

How does this curriculum address board-level governance requirements?

The curriculum explicitly targets the intersection of technology investments and fiduciary oversight, providing executives with precise board reporting templates, risk indicators, and presentation protocols suitable for audit and supervisory committees.

What prior enterprise experience is recommended for attendees?

Participants should operate at director level or above, possessing accountability for functional budgets, multi-team platforms, or corporate technology strategy.

How does the syllabus balance emerging artificial intelligence with legacy core systems?

Day 2 and Day 3 structure balanced oversight mechanisms, demonstrating how to govern algorithmic innovation while simultaneously managing legacy technical debt, cloud concentration risk, and operational resilience.



Can the governance charters developed during the week be implemented across diverse corporate structures?

Yes. All diagnostic frameworks, investment scorecards, and committee charters are engineered around international governance standards, enabling adaptation to public corporations, private enterprises, and institutional entities.