Board Briefing — Emerging Technologies Governance & Risk

Board-level governance framework for emerging technologies that present material strategic, operational, legal, or security risk. This document explicitly excludes Artificial Intelligence and Quantum Computing, which are governed under separate board-approved risk packages.

Purpose: identify non-mature technologies early, surface assumptions, and require explicit executive decisions before enterprise-scale adoption.

Area	Board Oversight Question	Current Posture
Strategic Relevance	Does the technology materially affect business strategy or market position?	Yes / No
Operational Impact	Would failure cause operational disruption or safety risk?	Yes / No
Regulatory Uncertainty	Are regulatory obligations unclear or evolving?	Yes / Partial / No
Vendor Immaturity	Is the ecosystem dependent on immature or concentrated vendors?	Yes / No
Reversibility	Can the technology be exited without major redesign or loss?	Yes / Partial / No
Governance Readiness	Is ownership and review cadence formally assigned?	Yes / No

Tier-1 Emerging Technology Register (Template)

Inventory of emerging technologies with potential Tier-1 impact. Inclusion does not imply approval for production deployment.

Technology	Use Case	Risk Domain	Externally Exposed	Exit Strategy	Notes

Emerging Technology Assumption Register

Explicit assumptions underpinning emerging technology adoption. Undocumented assumptions constitute unmanaged risk.

Assumption	Applies To	Expiration Date	Owner	Status
Regulatory approval will be obtainable	Technology ___			Accept / Challenge
Vendor viability beyond pilot phase	Critical vendors			Accept / Replace
Operational impact remains contained	Affected business units			Accept / Revise

Required Executive Decisions & Attestation

Decisions below govern enterprise engagement with emerging technologies and do not supersede Artificial Intelligence or Quantum Computing governance.

Decision Item	Approve / Reject	Notes
Approve criteria for classifying technologies as 'emerging'		
Set escalation threshold to dedicated risk packages		
Mandate pilot-only constraints prior to approval		
Require annual board review of emerging technologies		

Executive Attestation

Role	Name	Signature	Date
CEO			
CISO			
CIO			
General Counsel			
Board Risk Chair			

Risk Acceptance Effective Date: _____

Risk Acceptance Expiration Date: _____

Next Mandatory Review Date: _____