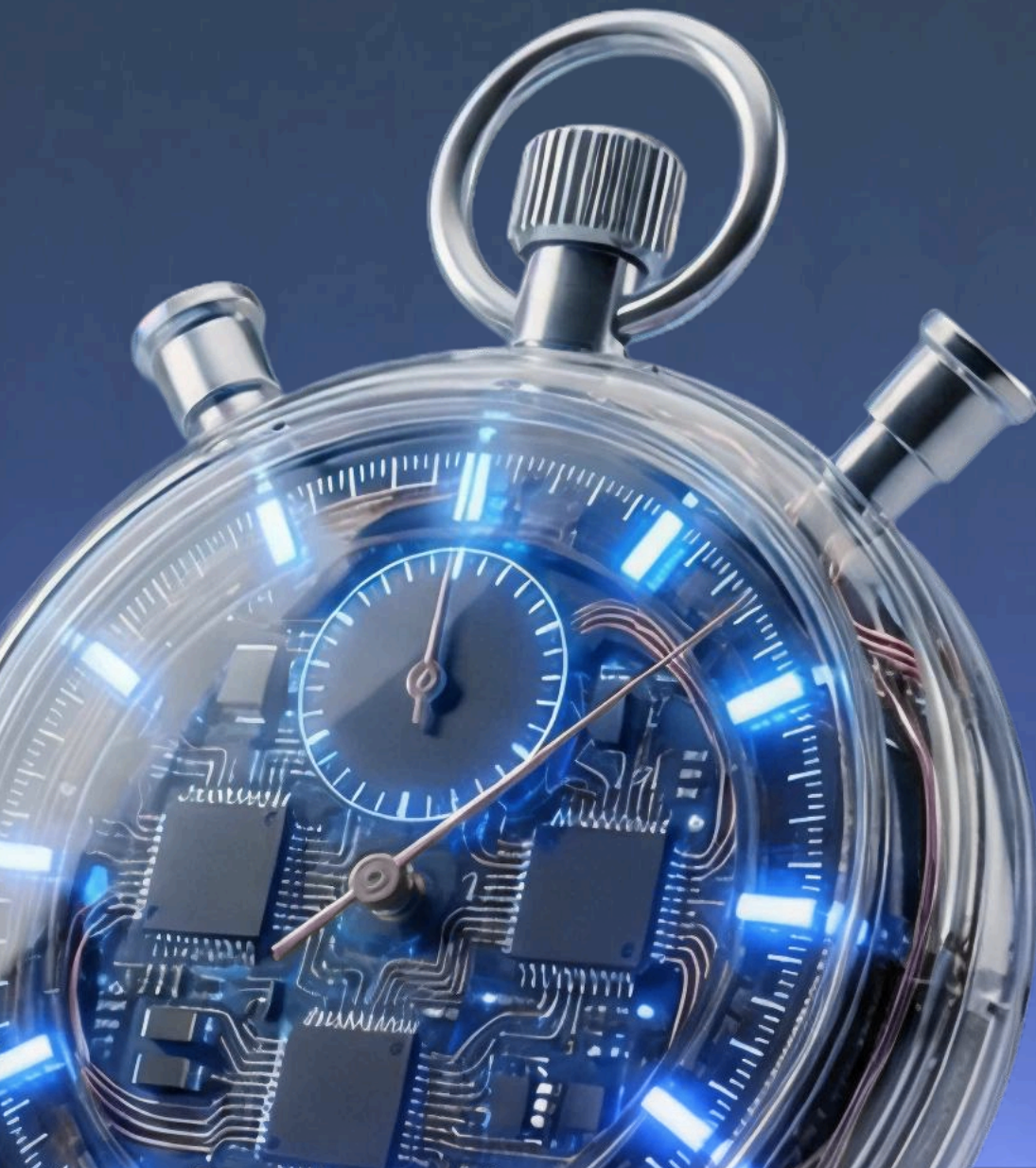


PROOF OVER POLICY:

Delivering the Evidence of AI Capability Boards Now Demand



EDITION 002

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Savvy security leaders know that cyber defense is no longer a linear journey from policy to patch

It is now a race against AI-driven threats, requiring a continuous lifecycle of proving, improving, and reporting on the current state of cyber readiness.

The most resilient organizations now treat readiness as an ongoing practice.

This includes monitoring live telemetry, staging drills, and refreshing forecasts at frequent intervals because a machine-speed breach is no longer a hypothetical, but an inevitability.

Those with a continual focus realize tangible benefits in their response and resiliency. However, as attackers use AI to automate and scale exploits, the human-in-the-loop must be sharper and more agile than ever to manage the new human-AI tech stack.

To meet this challenge, our platform provides:

2.5K

labs, covering foundational skills, advanced threats, secure coding, and more to ensure continuous skill growth.

Check Point, Q1 2025 Global Cyber-Attack Report (2025)

3.5M

Labs completed worldwide, delivering real-world resilience and skill-building.

ISC², 2024 Cybersecurity Workforce Study (2024)

AI is now compressing the attack timeline and reinforcing the inevitability of a breach. As adversaries leverage generative and autonomous tools to automate reconnaissance and exploit delivery, the window for human intervention has shrunk from days to minutes.

From Defense to Secure AI Adoption

True resilience now requires a shift in goal: we must move beyond traditional defense to secure AI adoption.

The objective of a modern reporting program is to provide the governance and confidence to innovate with AI without losing control.

By converting live performance data into executive-ready intelligence, organizations can prove their AI-enabled operations will hold under pressure, turning AI from a mistake multiplier into a strategic capability.

Reporting Human-AI Readiness with Immersive

Resilient organizations establish a clear baseline through realistic cyber drills and hands-on assessments, revealing exactly where their people, processes, and technologies fall short in the face of modern, automated threats

To close these gaps, they drive role-specific upskilling for everyone responsible for the human-AI tech stack—including IT and security teams, Legal, HR, and business leaders—ensuring every training dollar closes a gap identified by hard evidence rather than guesswork.

This prove-then-improve loop creates a living feedback system where newfound skills are validated in the very next simulation, ensuring that any lingering weaknesses in the team's ability to govern AI or resist AI-speed attacks surface immediately for action.

Yet, after all that upskilling, boards are no longer satisfied with generalities; they are still asking questions like:

 WHAT SKILLS DO WE POSSESS TO MANAGE AND SECURE OUR AI-DRIVEN SYSTEMS?	 WHERE ARE THE GAPS IN OUR TEAM'S ABILITY TO DETECT AND STOP AI-POWERED EXPLOITS?	 ARE WE CLOSING THEM FAST ENOUGH TO KEEP PACE WITH THE COMPRESSED TIMELINES OF MACHINE-SPEED ATTACKS?	 COULD WE RECOVER QUICKLY FROM AN INCIDENT WHERE OUR AUTONOMOUS AGENTS OR MODELS ARE COMPROMISED?
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Traditional reporting seldom answers these questions. It is only through rigorous, real-time reporting that an organization can convert raw performance data into a narrative of human-AI readiness that business leaders can fund, auditors can trust, and regulators can verify. Boards are now identifying a new gap related to proving the value of AI investments.

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Organizations must now prove their response telemetry is as fast as the automated threats they face.

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Reporting is the missing link that transforms baseline and upskilling activity into a clear narrative of progress, gap closure, and ROI—bridging the language divide

Between technical metrics and the rising financial exposure of AI-enabled attacks. By focusing on Human-AI Readiness, the report converts raw training data into a strategic asset, showing exactly how the workforce is being equipped to govern automated systems and neutralize AI-powered threats before they impact the bottom line.

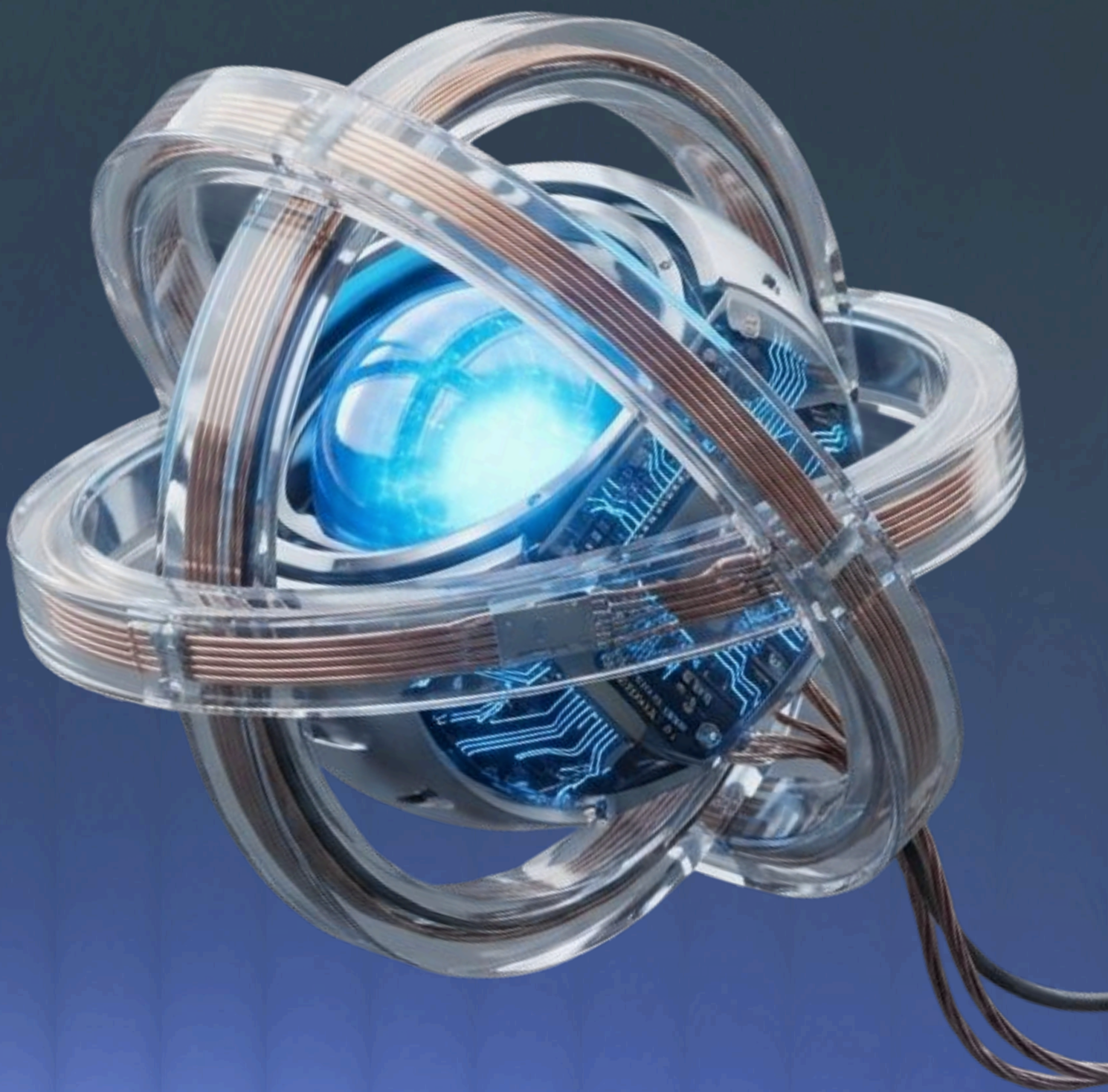
Why Traditional Reporting Artifacts Fail:

Stale evidence packages—PDF audits, annual CBT completion lists, and once-a-year SOC attestation letters—were built for an era when compliance frameworks changed slowly, breach disclosure clocks were lenient, and attacks moved only as quickly as humans could execute them.

That era is over. Boards today are keenly aware of SEC enforcement actions that fine individual directors, regulators publish near-real-time resilience rules, and insurers adjust premiums quarterly. In a landscape where AI-powered exploits can evolve around the clock, a static packet of evidence generated in January is functionally useless by July.

Even worse, these artifacts measure activity, not capability. A one-off training certificate proves the employee sat at a desk; it doesn't prove they can triage a kernel-level exploit or an AI-driven prompt injection in under ten minutes.

An audit spreadsheet shows a policy exists, but it does not confirm your human-AI tech stack is actually working and it won't prove your front-line staff can override a failing autonomous agent or execute a recovery policy at 2:37 am on a holiday weekend. Boards and regulators have begun to notice that traditional reporting leaves them blind to AI-speed risks, and they are no longer satisfied.



To be credible, new-generation reports need to surface four categories of intelligence:

01 THE HUMAN-AI TECH STACK:	Reporting must now bridge the gap between automated defense and human oversight. This category of intelligence measures how effectively humans can govern AI agents and intervene when autonomous systems reach the limits of their logic. Reporting should highlight the human-in-the-loop efficiency, demonstrating whether the workforce is capable of auditing AI-generated code or triaging AI-driven alerts at the speed of the business.
02 CURRENT STATE:	Effective reports must provide a real-time snapshot of where cyber readiness stands at this exact moment. That means live Resilience Scores, MITRE coverage heat maps, and drill latency metrics that together reveal the organization's true defensive posture-not last quarter's.
03 CAPABILITY TRENDS:	Stakeholders also need to see whether readiness is trending upward, flat, or slipping. Charts that track lab-completion deltas, control-hardening burndowns, and month-over-month MTTC changes turn static snapshots into moving pictures of progress.
04 ROLE-SPECIFIC LEARNING PATHS:	Curated sequences of labs, micro-courses, and credential challenges map to NIST NICE tasks for SOC analysts, cloud engineers, Legal counsel, and executives alike. Progression along a path-such as badges earned or competencies unlocked-demonstrates that each function is closing its unique gap rather than ticking a generic training box.

Four Kinds of Unmistakable Evidence:

- Four Kinds of Unmistakable Evidence: exact controls, roles, or tactics where drills reveal weakness; blanket coursework wastes time and leaves critical vulnerabilities untouched.
- Sustainability that keeps knowledge fresh long after the first lab is passed. Micro-learning bursts, recurring validation exercises, and adaptive content updates ensure skills remain sharp instead of decaying between annual audits.
- Outcome-validated uplift that links skill gains to real risk reduction.
- Metrics such as Resilience Score deltas, faster mean time to contain (MTTC), and declining financial-risk curves prove that every hour of training converts into tangible improvements in the organization's security posture.

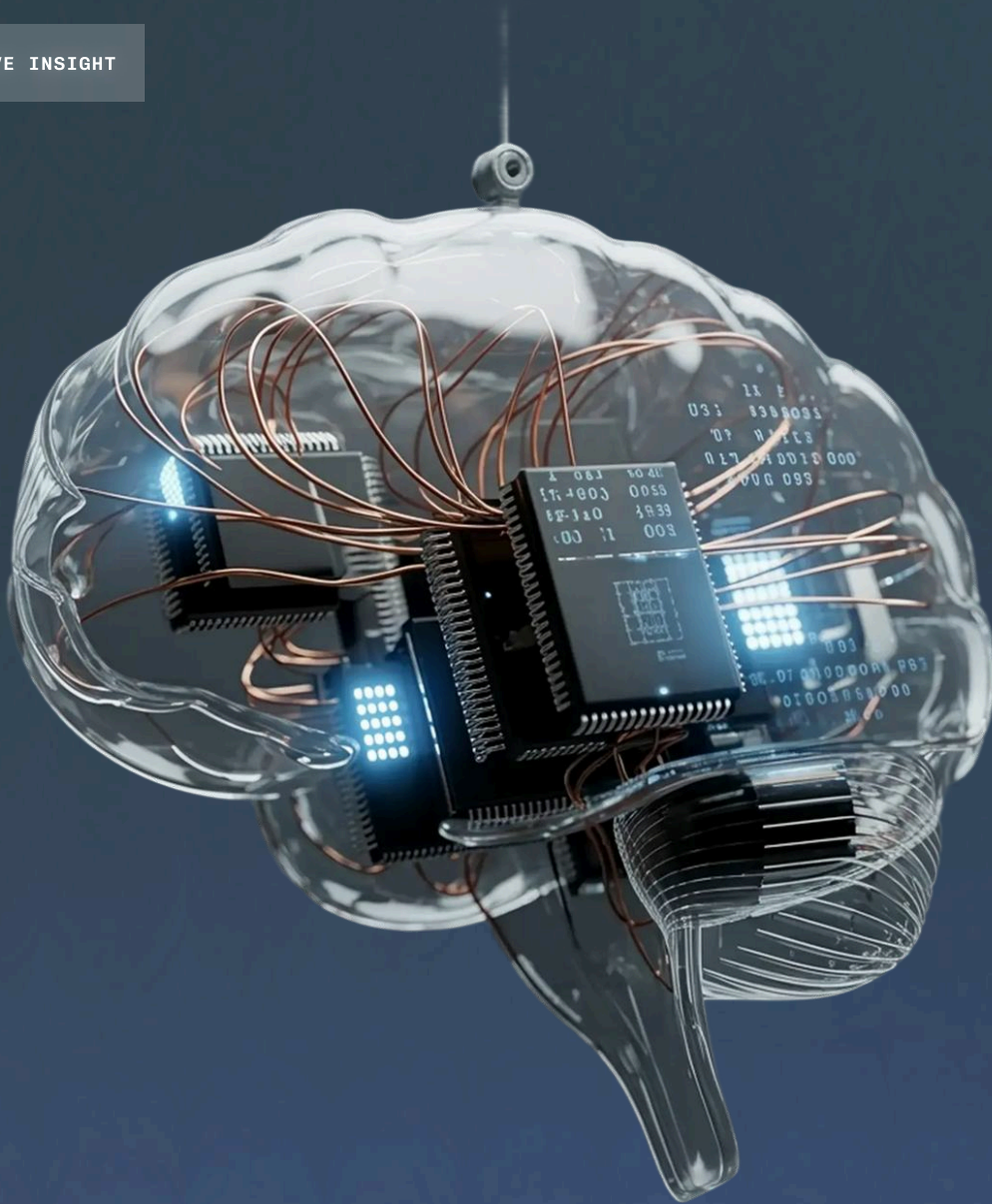
Effective reporting removes doubt by spotlighting information that aligns with business outcomes, not just audit checkboxes.

It distills thousands of drill events, lab scores, and control metrics into a storyline that shows where the organization stands today, where it's headed, and what dollar-level risk is rising or falling.

In short, the report must turn raw data into actionable insight that decision-makers can fund, regulators can verify, and insurers can price.

To Report is to: Transform live performance data into Resilience Scores, benchmark deltas, and after-action insights into concise, role-tailored intelligence that proves readiness and guides investment. It must compress thousands of data points into everything from a one-page Board KPI to detailed forensic drill timelines for the SOC.

ROLE & FOCUS	KEY CONCERN	INFORMATION NEEDED
AI PERSPECTIVES:		
Board/CEO	Strategic AI risk	ROI on AI security spend, financial exposure of model failure
CISO	Model integrity	Red-teaming drill results, adversarial AI defense metrics
Legal/Compliance	AI governance	Governance audit trails, AI framework alignment data
STAKEHOLDER PERSPECTIVES:		
Board/CEO	Safe skill practice	Role-aligned labs, mastery metrics
CISO/CRO	Test improvements	MITRE-aligned scenarios, evidence logs
SOC Manager	Detection & containment	Drill timelines, MTTD/MTTC deltas
HR/L&D	Workforce capability	Skills-gap matrices, lab completion
Legal/Compliance	Regulatory posture	Framework alignment, SEC 8-K timers
Finance/Insurer	Dollar risk & premiums	FAIR curves, RS-to-loss mapping



Talk Risk, Not Metrics

Stakeholders don't want a roll call of completed courses; they want to know the size and nature of the cyber risk the organization still carries.

By presenting each technical metric in business-risk language (e.g., "MTTC improved by 40 minutes, reducing projected loss by \$2.1 million"), the platform turns raw training data into insight executives can act on.

Our unified Reporting module blends the live Resilience Score with timelines and control-health data to create real-time dashboards and auto-generated After-Action Reports that translate detection gaps or slow containment into dollars at stake.

Without a disciplined reporting layer, the fire-hose of security data overwhelms leadership, leaving them with noise instead of insight. Modern reports distill the torrent into a single narrative that links readiness actions to business outcomes.

Implementing Reporting as Part of a Cyber Readiness Program

A CRP connects Prove, Improve, and Report efforts into one feedback loop: measure reality, close gaps, and communicate progress. Reporting is the communication layer that converts telemetry into board-level narrative.

- **Prove:** Run drills and establish baseline Resilience Scores.
- **Improve:** Assign role-specific labs and harden the weakest controls surfaced in drills.
- **Report:** Translate live performance data into board-ready insight to justify the next round of budget.
- Metrics such as Resilience Score deltas, faster mean time to contain (MTTC), and declining financial-risk curves prove that every hour of training converts into tangible improvements in the organization's security posture.

External Forces Mandating Reporting:

01

BOARD SCRUTINY: DIRECTORS WANT STREAMLINED KPIS AND PROOF THAT CYBER BUDGETS REDUCE QUANTIFIABLE RISK.

02

REGULATORY PUSH: DORA, NIST CSF 2.0, AND FORTHCOMING SEC DISCLOSURE RULES MANDATE MEASURABLE, CONTINUOUS RESILIENCE EVIDENCE.

03

INSURANCE ECONOMICS: UNDERWRITERS SHAVE UP TO 20% OFF PREMIUMS WHEN INSURED PROVIDE HUMAN-FACTOR PERFORMANCE METRICS.

04

STAKEHOLDER TRUST: CUSTOMERS AND PARTNERS INCREASINGLY EMBED CYBER-SKILL EVIDENCE IN VENDOR ASSESSMENTS.

Core Principles of a Reporting Program:

- **Single Source of Truth:** A live Resilience Score dashboard unifies cyber drills, labs, control health, and incident data.
- **Benchmark Context:** Peer percentiles, industry quartiles, and framework thresholds ground KPIs in relatable numbers.
- **Actionable Factors:** Flag where specific lab spend will cut risk exposure, helping visualize ROI.
- **Time-Series Trends:** Rolling 6-, 12-, and 24-month charts validate program maturation.
- **Role-Based Views:** Executive snapshots, SOC deep dives, and HR learning matrices ensure trusted formats for each consumer.

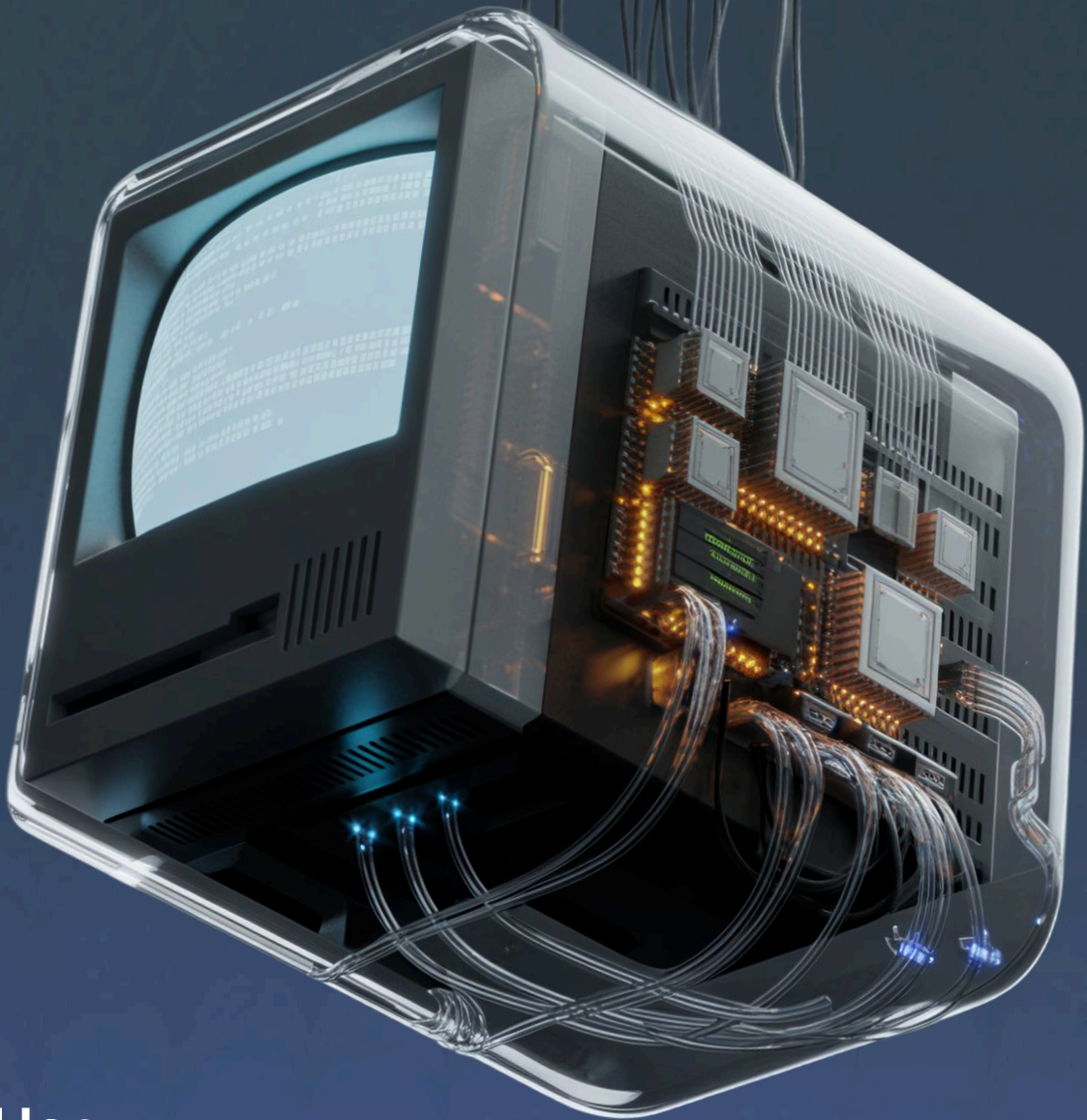
The right metrics translate raw logs into indicators recognized by boards, regulators, and insurers.

METRIC	ROLE RELEVANCE	TIMING & FREQUENCY	MEASURABLE	FRAMEWORK MAPPING
Resilience Score (0-100)	Board & C-suite single KPI	Live dashboard; monthly/quarterly packs	Numeric score with trend arrows	Role-aligned labs, mastery metrics
Color-coded Risk Dashboard	Executives, Risk, Compliance	Refreshed daily/ after drills	% exposure slices; red-amber-green status	ATT&CK tactic buckets; NIST CSF categories
After-Action Report (AAR) Metrics	SOC, Incident Response, Legal	Auto-generated within 24 hours of drill	MTTD, MTTC, decision-accuracy scores	NIST CSF PR.PT & RS.CO; ATT&CK mitigations
Framework Coverage Heat Map	Auditors, Compliance, HR/L&D	On-demand; monthly reviews	% coverage of MITRE techniques/ NIST controls	MITRE ATT&CK, NIST CSF, DORA Articles 11-15

Building a Report Roadmap

A reporting function must be engineered into the pipeline from day one.

01	02	03	04	05
BASELINE [PROVE]	STAKEHOLDER VIEWS :	AUTOMATE AARS :	CADENCE :	INTEGRATION :
Wire drills, labs, SIEM, and HRIS into the Resilience Score engine; conduct feed-integrity audits.	Prototype board packs vs. ops consoles; get view mock-ups approved.	Convert each drill to evidence within 24 hours via auto-generated PDFs.	Establish monthly exec scorecards and quarterly board decks; send calendar invites.	Sync Resilience Scores with risk registers and insurer forms; verify API push.



Why Use Frameworks?

Security frameworks like MITRE ATT&CK, NIST CSF, and DORA provide a common blueprint for building and evaluating defenses.

We overlay lab data onto a MITRE heat map, instantly revealing which TTPs the organization can disrupt and where blind spots persist.

AI Governance Frameworks:

Just as we map to MITRE and DORA, readiness must now be benchmarked against newer frameworks like the NIST AI Risk Management Framework (AI RMF).

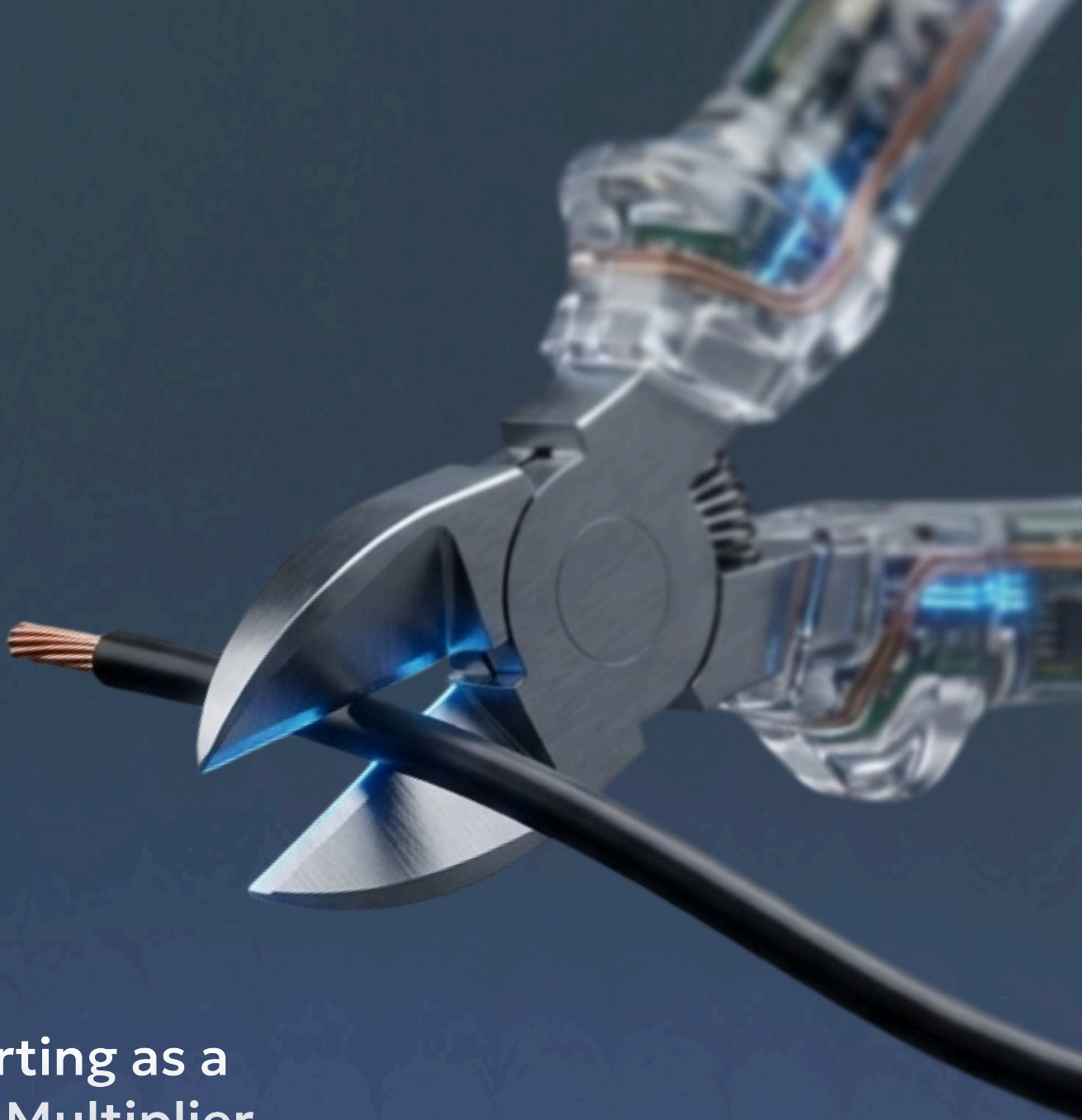
Reporting should quantify how many AI-Enabled TTPs (Tactics, Techniques, and Procedures) the organization can successfully disrupt, converting abstract AI risk into a heat map of validated human-AI defensive capability.

The right stack turns a mountain of logs into an executive-ready narrative in minutes instead of days.

CAPABILITY	MUST PROVIDE	EXAMPLE OUTPUTS
RS Dashboard	Live score, stoplight gauges, drill snapshots	Interactive gauge, KPI trend line
AAR Generator	Auto-PDF within 24 hours, timeline replay	Timestamped timeline, scorecard
Benchmark Visualizer	Peer percentiles, time-series charts	Spider chart, quartile bar
Export/API Layer	JSON/CSV out, SSO in, webhook to GRC/ERM	API token, CSV export, webhook status

Reporting Governance and Roles

ROLE	STEWARDSHIP	CADENCE	ESCALATION PATH
CISO	Data accuracy, budget	Quarterly board	Audit committee
Data Engineer	Feed integrity	Monthly	CISO
Risk Comms Lead	Narrative clarity, plain language	Monthly draft	CEO
Board/Audit Committee	Oversight, bias check	Quarterly	External auditor



Reporting as a Trust Multiplier

The success of a cyber-readiness program is judged not by the volume of activity it generates, but by the clarity of the outcomes it proves.

As organizations transition to a new reality, where technology, human judgment, and AI are inextricably intertwined, traditional reporting artifacts like static PDFs and completion lists have become nothing more than maturity theater that fails to reveal true capability.

Effective reporting takes center stage as the ultimate trust multiplier. It is the communication layer that translates raw telemetry into a narrative that boards can fund, regulators can verify, and insurers can price. By moving from ad-hoc status updates to a disciplined PIBR (Prove, Improve, Benchmark, Report) model, organizations turn readiness into a quantifiable asset that protects reputation and accelerates informed decision-making.



Immersive is trusted by the world's largest organizations and governments, including Citi, Pfizer, Humana, HSBC, the UK Ministry of Defence, and the UK National Health Service. We are backed by Goldman Sachs Asset Management, Ten Eleven Ventures, Menlo Ventures, Summit Partners, Insight Partners and Citi Ventures.

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