SCIENTIFIC ANALYTICS ALLIANCE

INDEPENDENCE CHARTER

A standards-setter posture for institutional risk-compute: the commitments that keep SAA neutral, verifiable and independent.

Version 1.1 · Effective June 11, 2026 · Revised July 25, 2026 · Public corporate posture

v1.1 change record: evidence base extended with the DRCET series continuation and per-service determinism certification. Version 1.0 remains on the public record.

01 · MISSION

SAA Alliance exists to be an independent foundational layer for institutional risk-compute. The platform sits beside the systems institutions already operate - Aladdin, Bloomberg, Murex, MSCI and internal Monte Carlo engines - as a neutral challenger that independently recomputes and evidences their results. It does not replace incumbent platforms, and it does not compete with its customers.

The company is not built to be acquired, white-labelled or absorbed. Its purpose is the standard itself: these are the people who know how to compute; their stack is the calculation benchmark.

02 · THE NEUTRALITY MODEL

SAA's reference points are organisations whose mechanism of neutrality shaped an industry. Each analogy is cited honestly, with its limits stated.

ARM - Licensing neutrality One architecture licensed to every competing manufacturer. The analogy holds for the licensing model, not for ownership history, which is stated plainly.	**LLVM - Open infrastructure** Foundational tooling adopted by every major vendor precisely because no single vendor owns the methodology.
ISDA - Protocol authority Standards adopted industry-wide because they are documented, public and independently governed.	**TSMC - Never compete with customers** A neutral foundry with no own-brand product. SAA adopts the principle: customers' books are the validation target; SAA holds no trading book.

03 · EVIDENCE, NOT ASSERTION

A standard is accumulated, independently verifiable evidence. SAA's evidence base is public and traceable to its source.

DRCET-1 (SSRN 6893318, distributed) An open equivalence-testing protocol for risk engines. Methodology published, not patented, deliberately creating prior art.	**DRCET-2 and DRCET-3 (SSRN, July 2026)** The series continued: equivalence testing extended to path functionals (drawdown, time underwater, recovery) and to factor and stress attribution, including exact scenario replay.
One hash across 1,000 repeats Determinism proof: a single identical hash across 1,000 fresh-process re-executions. Any historical verdict replays bit-for-bit.	**1.344 T paths · D=200 · 2026-05-31** High-dimensional validation lane: GPU results mirrored on CPU. Substrate-portable correctness with no hardware lock-in.

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Per-service determinism certification (July 2026)
A 13-test adversarial protocol run per service on deployed builds: fresh-process repeats, tamper drills on hash-chained ledgers, build-truth gates on every deploy, sealed failures.

Public replay packs · input to lineage
Reviewer packs published as live endpoints: snapshot, manifest, canonical result, SHA256SUMS, replay instruction, contract, chain excerpt and claim boundary. Verifiable with standard tools, without trusting SAA.

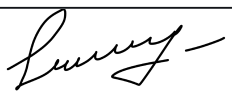
04 · COMMITMENTS

1. **Deterministic numbers.** Every numerical output - valuations, VaR, CVaR, ES, scenarios and verdicts - is computed by the deterministic math kernel. Language models are restricted to narrative prose and can be disabled without loss of core functionality. Zero per cent AI in numbers.
2. **Open methodology.** The method is published, including its limitations and failure modes. Disclosure of weakness is a feature of the standard, not a marketing risk.
3. **No exclusivity.** SAA grants no exclusive licences and does not white-label the kernel under any single vendor's brand.
4. **Multi-customer neutrality.** No single customer relationship may structurally control the company's scientific agenda.
5. **Vendor independence.** Kernel correctness is substrate-portable, validated from a commodity ARM CPU to multi-GPU clusters. Partnership never becomes dependency.
6. **Refusal over degradation.** The platform refuses to publish a verdict that fails its evidence and reconciliation gates. The same discipline governs the company: independence is not traded for speed.

05 · GOVERNANCE OF INDEPENDENCE

Independence is not a slogan; it is governed. Founder control of the scientific agenda is structurally protected, the methodology remains on the public record, and any strategic proposal is tested against three questions: does the open methodology survive; does multi-customer neutrality survive; does independent governance of the science survive. Proposals that fail these tests are declined.

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Signature 

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MATH FIRST · AGENTS SECOND · GOVERNOR ALWAYS · AUDIT FOREVER

Scientific Analytics Alliance Inc. - the standard others reference.

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