C9.6 SIASE_Tier1 – AI-AI-Human Audit Execution Protocol

Monetization Execution Layer – SIASE Tier Audit Loop

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US Provisional: #63/826,381
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AU Trade Mark: AI-Human Synergy™ #2535745 & AI-Human Synergy Sentinel Protocol™ #2549093
IP Priority Date: 17 June 2025 (Global Anchor)

Sentinel Protocol Ordinal Bitcoin Wallet:

https://ordinals.com/address/
bc1pa3695d7x3cl3k4xut599s6e8yfjl5876uwpq82fqy4tsazxn77sss53mht

This document has been cryptographically hashed and immutably anchored under Sentinel Protocol v3.1 on **03 August 2025**. First public verification anchor: **Ordinal #5**, inscribed **30 July 2025**.
Current hash and payload available via `AMPLIFY_LEDGER_<meta_id>.json` .

C9.6 *SIASE* Tier1 *AI* HumanAuditExecution_v3.1.md

Title: *SIASE Tier1 – AI-AI-Human Audit Execution Protocol*
Version: *v1.0*
Author: *Dr. Fernando Telles*
System: *Sentinel Protocol v3.1*
Class: *Monetization Execution Layer – SIASE Tier Audit Loop*
Status: ✅ *Canonical – Tier Activation Ready*
Date Finalized: *22 July 2025*
Date Updated: *03 August 2025*
Affiliation: *CDA AI Pty Ltd*
Linked Modules: *C5.2, C5.3, C7.0, C8.3, C9.0, C9.5*
Anchoring Pathway: `.json` + `.2ha` + `.ots` + *OP* RETURN optional

🧠 Purpose

This document formalizes the **SIASE_Tier1** execution protocol—a reproducibility audit tier that enables AI-AI-Human synergy to pre-validate logs, outputs, and cryptographic reproducibility claims before final human approval. It is positioned as the first monetizable audit tier under Sentinel Protocol v3.1, unlocking ethical compliance for non-expert domains while enforcing zero-custody, reproducibility, and public verifiability.

🔐 Role Stack & Audit Flow

AI-AI-Human Loop

```
graph TD
    A[LLM1: Structure Editor] --> B[LLM4/LLM5: Scanner/Strategist Logic Validator]
    B --> C[LLM2: Vault Cross Validator]
    C --> D[LLM1: Approval; Block; or Final Optimisation]
    D --> E[LLM3: Hallucination Anchor Detection]
    E --> F[Human: Commander Approval]
```

Components

- `LLM1` : Validates `.json`, `.md`, `.csv` for structure, placeholders (C1.3), field integrity.
- `LLM4/LLM5` : Evaluates logic, reasoning, consistency, escalation detection.
- `LLM1` (again): Final logic approval, block or optimisation.
- `LLM2` : Validates against vault sources, detects divergence between layers.
- `LLM3` : Anchor hallucination detection layer.
- `Commander` : Final audit pass. Validates reproducibility, signs off.

💼 Monetization Tier Structure

Tier	Access Mode	Human Role	Monetization
Freemium	Self-audit	Optional	\$0
SIASE_Tier1	AI-AI-Human	Commander review	\$150/session
Expert Tier	AI+Expert	Domain validation	\$300/session
Regulatory-Grade	Full AI+VAL	Validator audit	\$500/session

Billing: BTC wallet only. Non-custodial. `.2ha` signed before charge.

✅ Output & Audit Artifacts

- Canonical `.json` log with:
  - `AI_used: true`
  - `LLM_used: LLM1+LLM2+LLM3+LLM4/LLM5`
  - `human_verified: true`
  - `VALIS_template_enforced: true`

- Dual hash: `.hash` (SHA256), `.2ha` (RIPEMD160)
- `.ots` timestamp (OpenTimestamps)
- Optional Bitcoin OP_RETURN anchoring

⚖️ Compliance Rules Enforced

- C1.3: Placeholder Tagging Protocol (no ambiguous output)
- C5.2: Ethics Firewall (prevents override, coercion, fabricated memory)
- C5.3: Compliance Matrix (CME Rules 1–6)
- C7.0: Multi-Agent Sync (LLM1–5 & Human lock)
- C9.5: Zero Custody Reproducibility Protocol
- C9.8: Zero Trust Audit Execution Protocol

🚀 Execution Flow

Step 1 – Validate Audit Log

- Human uploads `.json` or triggers audit via `valis_auditlogger_template.py`
- LLM1 parses structure, fields, timestamp, placeholders

Step 2 – SIASE Audit (Multi-LLM)

- LLM4/LLM5 evaluates logic, identifies omissions, hallucinations, improper reasoning
- LLM2 validates against vault sources, detectsand flags divergences for review

Step 3 – Cross Validation

- LLM1 re-evaluates consistency between original + strategist logic for approval, block or optimisation

Step 4 – Hallucination Anchor

- LLM3 hallucination detection anchor layer

Step 5 – Final Review

- Human confirms `.json` integrity
- Signs off: `human_verified: true`

Step 6 – Hash + Timestamp

- `batch_dualhasher_multi.py` or `valis_auditlogger_template.py`
- Output: `.json`, `.hash`, `.2ha`, `.ots`

Step 7 – Anchor

- User receives OP_RETURN payload preview
- Anchoring via `opreturnanchor.py`

Step 7 – Odinal Anchor (Optional)

- User receives ordinal payload preview
- Must include OP_RETURN payload
- Optional `meta_data` disclosure
- Anchoring via CDAAI Bitcoin Node

🧠 Public Framing

> "**SIASE_Tier1** unlocks trustworthy AI for every domain. Our AI-AI-Human loop verifies structure, reasoning, and reproducibility before you ever sign off. Immutable. Auditable. Sentinel-certified."

🧩 Integration Notes

- Can be embedded into `meta-analysis.ai`, `auditlog.ai`, `audit-sentinel-cli`
- LLM2-5 must be sandboxed with `LLM_used: true` & outputs routed via LLM1
- `.2ha` must be generated post-human confirmation
- `.ots` verification required before Tier 1 considered complete

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🖊️ Tier Gating Logic

- Only users passing `SIASE_Tier1` are eligible for:
    - Expert Audit Tier (C9.0)
    - Regulatory-Grade Audit Tier (C9.5)
    - Public Ordinal Publication

📦 Example Output

```
{
  "meta_id": "SIASE-VAL001",
  "LLM_used": "LLM1 + LLM2 + LLM3 + LLM4 LLM5",
  "AI_used": true,
  "human_verified": true,
  "VALIS_template_enforced": true,
  "strategist_advice": "Structure consistent. Risk of redundancy at Section 4.
Suggest merge. Logic chain valid."
}
```

✅ Status: LIVE – Mid-Tier Audit Layer Activated

Ready for monetization, public release, and integration into CDA AI Validator Services.