# AI–Human Synergy™ AU TM #2535745 Evidence of Use Submission

Section 41 Response with Blockchain-Proven Use, Timestamped Evidence, and Multi-Entity Validation

**Date:** 04 August 2025

**Inventor:** Dr. Fernando Telles

**Affiliations:**
CDA AI (Cardiovascular Diagnostic Audit & AI Pty Ltd, ACN 638019431)
Telles Investments Pty Ltd (ACN 638017384)

**IP Rights:**
US Provisional: #63/826,381
AU Provisional: #2025902482
AU Trade Mark: #2535745 & #2549093
IP Priority Date: 17 June 2025 (Global Anchor)

**Bitcoin Ordinal TXID:**
https://mempool.space/tx/
84d5b898ccc1335a2a93439f98acce575c31f76c55a19fd0f23fa1c8f44c88cc

This white paper was immutably published on the Bitcoin blockchain via Ordinal inscription on 04 August 2025.

# 📑 Trade Mark Evidence of Use Submission

## AI–Human Synergy™ — Section 41 Response

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## 📌 Applicant

**Name:** Dr. Fernando Telles BMedSc(Adv) MD(Dist)
**Entity:** CDA AI Pty Ltd (ACN 638 019 431)
**Supporting Entity:** Telles Investments Pty Ltd (ACN 638 017 384)

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## ⛎ Trade Mark

**Word Mark:** AI–Human Synergy™
**Trade Mark Number:**
- AU TM #2535745
**Jurisdiction:** IP Australia
**Status:** Under examination

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## 📣 Objection Being Answered

This declaration responds to an objection raised under **Section 41 of the Trade Marks Act 1995**, which asserts that the applied-for mark *"AI–Human Synergy™"* may lack sufficient inherent adaptation to distinguish the applicant's services.

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## 📚 Declaration Purpose

This evidence submission demonstrates:

- 📅 **Continuous commercial and public use** of the trade mark prior to and following the application date
- 🔗 **Use in connection with reproducibility, AI audit, and infrastructure verification services**
- 📈 Public publication and timestamp anchoring on **Bitcoin via Ordinals + OP_RETURN**
- 🧠 Association with the **AI-Human Synergy Sentinel Protocol™** — a proprietary AI–Human Governance Framework with global IP protection

All evidence is provided in accordance with Section 41(4) of the Trade Marks Act.
This includes dated publications, trademark use in online platforms, reproducibility logs, and validator declarations.

⚠️ *No confidential business information is included in this cover letter in accordance with s217A.*

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## 📅 Submission Date

**Original Submission: 01 August 2025**

**This Submission (Formatting optimised and supplemental evidence): 04 August 2025**

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## 🛡️ IP Summary

- **IP Rights:**
    - US Provisional Patent: #63/826,381 | System and Method for Mandatory Human-Supervised AI-Human Synergy™ Audit Logging Using Multi-Layer Blockchain Anchoring, Cryptographic Chain Validation, and Real-Time Ethics Enforcement
    - AU Provisional Patent: #2025902482 | System and Method for Mandatory Human-Supervised AI-Human Synergy™ Audit Logging Using Multi-Layer Blockchain Anchoring, Cryptographic Chain Validation, and Real-Time Ethics Enforcement
    - Trade Mark Application: #2535745 | AI–Human Synergy™
    - Trade Mark Application: #2549093 (IP right accepted early 15 Jul 2025) | AI-Human Synergy Sentinel Protocol™

- **Priority Date:**
  **17 June 2025** (Global Anchor – Australia + US)

- **Publishing Entity:**
  **CDA AI – Cardiovascular Diagnostic Audit & AI Pty Ltd**

- **Primary Protocol:**
  **Sentinel Protocol v1.0 / v2.0 /v3.0 / v3.1**
  — AI–Human Synergy™ Infrastructure for cryptographic audit, ethics enforcement, and reproducibility

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# 📎 Annexures – Index of Supporting Evidence

The following exhibits are provided in support of this declaration under Section 41(4) of the Trade Marks Act 1995: AI-Human*Synergy*Trademark*Defence*Annexures_v1.0.zip

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## 1. Executive Summary

AI–Human Synergy™ designates the cryptographically-audited collaboration protocol between human experts and LLMs in Sentinel Protocol v1.0/v2.0/v3.0/v3.1. The mark is inherently distinctive: a coined term lacking dictionary definitions or pre-June 2025 industry usage. It has been in continuous commercial use since 14 June 2025 for audit software and validator services, anchored via Bitcoin OP_RETURN, Ordinals, OTS, and DOIs. Dual-jurisdiction provisional patents (US: #63/826,381; AU: #2025902482) and Australian trade marks (#2535745; #2549093) reinforce priority. This rebuts genericness claims through origin, distinctiveness, and verifiable use.

AI–Human Synergy™ is a coined, technically-defined protocol name that denotes the mandatory, cryptographically-audited collaboration layer between human experts and large-language-model agents inside Sentinel Protocol v3.0 [1] and v3.1 [2].
The mark is:
* inherently distinctive (invented expression, no dictionary meaning or industry usage) [1] * continuously and publicly used in commerce since 01 April 2025 in audit software, validator services and scientific research engagements * immutably anchored across multiple independent evidence rails (Bitcoin OP_RETURN, Ordinal inscriptions, OpenTimestamps, RIPEMD160/.2ha dual-hash manifests, DOIs, GitHub releases)
* the subject of dual-jurisdiction provisional patents and two registered Australian trade marks (#2535745; #2549093).

These factors collectively establish origin, priority, distinctiveness and ongoing commercial use, rebutting any allegation of genericness or non-use.

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## 📅 Timeline of First Use & OP_Retun Anchored Events

| 📅 Date | 🧠 Milestone | 🔒 Blockchain / DOI Evidence | 📌 Notes |
|---|---|---|---|
| **01 Apr 2025** | First public disclosure of Sentinel Protocol (v1.0) | OP_RETURN TXID `9421e3…` (Block 689034) | GitHub + log anchor |
| **26 May 2025** | Cryptography and OpenTimeStamps audit launch (MVP1-SR002) | OTS TXID `e67696ddceedee27a6d 820749e3b998adc9169 f19dac06bc79ad695f9` | Confirmed JSON + log |

| 📅 Date | 🧠 Milestone | 🔓 Blockchain / DOI Evidence | 📌 Notes |
|---|---|---|---|
| | | `d2dda71` (Block 898378) | |
| **14 Jun 2025** | MEDLINE audit engine launch (MVP1-SR025) | OP_RETURN TXID `0db101…` (Block 901180) | Confirmed JSON + log |
| **15 Jun 2025** | Scientific Protocol hash sealed | OP_RETURN TXID `ff0a6aee…` (Block 901320) | Immutable execution hash |
| **16 Jun 2025** | Confirmation of SHA256 + RIPEMD160 dual hash audit block execution with AuditLogger v7.0 for additional tamper detection, establishing the operational foundation for enhanced cryptographic validation | Ordinal TXID `8e4483…` (Block 901446) | On-chain publication |
| **17 Jun 2025** | AU Provisional Patent Filed (#2025902482) | OP_RETURN TXID `964e6b06…` (Block 901599) | Global priority claim |
| **19 Jun 2025** | US Provisional Patent Filed (#63/826,381) | OP_RETURN TXID `8c2eb08d…` (Block 901855) | Cross-jurisdiction filing |
| **01 Jul 2025** | Session Anchor: MVP1-SESS009 | OP_RETURN TXID `c555b886…` (Block 903503) | Audit trail snapshot |
| **21 Jul 2025** | `.2ha` Session Anchor: SENTINFRA-SESS001 | OP_RETURN TXID `c4d2e531…` (Block 906434) | Immutability test log |
| **21 Jul 2025** | Multi-validator audit confirmation (SENTINFRA) | OP_RETURN TXIDs: `ccf9dc6d…` (Block 906434) | Architect Validator Audit Anchor |
| **25 Jul 2025** | Multi-validator audit confirmation (SENTINFRA) | OP_RETURN TXIDs: `a5622ac4…` (Blocks 907041) | Independent Engineer Validator Audit Anchor |

| 📅 Date | 🧠 Milestone | 🔐 Blockchain / DOI Evidence | 📌 Notes |
|---|---|---|---|
| **25 Jul 2025** | Multi-validator audit confirmation (SENTINFRA) | OP_RETURN TXIDs: `fd8f0406…` (Blocks 907047) | Independent Medical Doctor Validator Audit Anchor |
| **30 Jul 2025** | Ordinal 05: SENTINFRA Publication | OP_RETURN TXID `2fc3200…` (Block 907760) | Final TM and reproducibility evidence |
| **30 Jul 2025** | METAVAL Session Anchor | OP_RETURN TXID `cf229b23…` (Block 907525) | Extension series anchor |

## 📜 Legal Anchoring & Multi-Entity Registration Timeline

| 📅 Date | 🧠 Milestone | 🔐 Blockchain / DOI Evidence | 📌 Notes |
|---|---|---|---|
| **24 Jun 2025** | Sentinel Protocol v3.0 – MVP1 Core Anchor | `SENTINEL | MVP1-SESS001 |
| **26 Jun 2025** | CDA AI Pty Ltd (ACN 638 019 431) | `CDA | CDA-SESS001 |
| **26 Jun 2025** | Levina Telles Pty Ltd (ACN 684 902 387) | `LT | LT-SESS001 |
| **26 Jun 2025** | Telles Investments Pty Ltd (ACN 638 017 384) | `TINV | TINV-SESS001 |
| **26 Jun 2025** | Telles Family Trust (Est. 2020) | `TFT | TFT-SESS001 |
| **26 Jun 2025** | LTSF Bitcoin Reserve (ABN 92 605 160 229) | `LTSFBTC | LTSFBTC-SESS001 |
| **26 Jun 2025** | LightChain Capital (CDA AI – Digital Assets Division) | `LCC | LCC-SESS001 |

## 📜 Canonical Ordinal Publications Timeline

| # | 📅 Date | 📄 Title / Description | 🔒 Ordinal TXID (Truncated) | 📌 Notes |
|---|---------|----------------------|----------------------------|----------|
| 1 | **16 Jun 2025** | **Ordinal_01** – *Sentinel Protocol v3.0 – AI–Human Synergy™ Protocol Proof* | `36068bec…` (Ordinal 01) | PROSPERO Scientific Protocol Proof anchor |
| 2 | **19 Jun 2025** | **Ordinal_02** – *CDA AI Immutable Audit Ledger Technology – Patent Pending Confirmation* | `02b23357…` (Ordinal 02) | Patent Pending IP Right Proof Anchor |
| 3 | **26 Jun 2025** | **Ordinal_03** – *MVP-1 – Multi-Entity Bitcoin Audit Anchor* | `22e929af…` (Ordinal 03) | Multi-Entity Proof Anchor (corporate, trust, SMSF) |
| 4 | **27 Jun 2025** | **Ordinal_04** – *The World's First Auditable AI–Human Synergy™ Infrastructure* | `9e70b951…` (Ordinal 04) | Strategic IP Summary |
| 5 | **30 Jul 2025** | **Ordinal_05** – *SENTINFRA-SESS001 – Sentinel Protocol v3.1 Infrastructure Pre-Public Deployment Audit Log* | `ae198274…` (Ordinal 05) | Foundational reproducibility and validator-anchored session log |
| 6 | **30 Jul 2025** | **Ordinal_06** – *Public Verification Guide for Trade Mark + Infrastructure Audit Disclosure* | `e11022c0…` (Ordinal 06) | Canonical TM response + reproducibility disclosure |
| 7 | **04 Aug 2025** | **Ordinal_07** – *Trade Mark Evidence of Use* | `84d5b898…` (Ordinal 07) | Submitted to IP Australia; contains hash + |

| # | 📅 Date | 🗒 Title / Description | 🔒 Ordinal TXID (Truncated) | 📌 Notes |
|---|---------|----------------------|---------------------------|----------|
| | | *Submission (Section 41 Response – IP Australia)* | | anchored .md declaration |

## 📜 Canonical Scientific Publications Timeline

| # | 📄 Title | ⏱ DOI / Reference Link | 🧠 Notes |
|---|---------|------------------------|----------|
| 1 | **AI–Human Synergy™ Execution of Systematic Review and Meta-Analysis** (Preterm Cardiac Structure) | [PROSPERO CRD420251065371](#) | Medical meta-analysis under v3.0 |
| 2 | **Sentinel Protocol v3.0 – AI–Human Synergy™ Infrastructure Technical Summary for IP & Strategic Briefing** | [RG: 10.13140/ RG.2.2.20488.12803](#) | |
| [Zenodo: 10.5281/ zenodo.15795252](#) | First canonical publication with TM footer | | |
| 3 | **Sentinel Protocol v3.1 – Infrastructure Pre-Public Deployment Audit Log** | [RG: 10.13140/ RG.2.2.29180.65924](#) | |
| [Zenodo: 10.5281/ zenodo.16607606](#) | Anchored to Ordinal_05 + validator logs | | |

# 4. Legal Justification

## 4.1 Prior Public Use

Ordinals and OP_RETURN embeds create immutable, time-stamped public records of the mark's use in commerce [2][3][4]. Courts in Europe and Australia now accept blockchain timestamps as prima-facie evidence of authorship and priority [5][6]. The mark therefore satisfies the *first-to-use* rule and possesses verifiable seniority.

## 4.2 Cryptographic Anchoring

Each critical artifact is dual-hashed (SHA-256 → RIPEMD160) and timestamp-sealed with OpenTimestamps; the resulting digests are:
* anchored to Bitcoin mainnet via OP_RETURN (prunable, unspendable, legally recognised [7])
* optionally inscribed via Ordinals for full-data persistence (non-prunable, collector-grade proof [4]).

This creates an external, neutral evidentiary layer that cannot be altered unilaterally, satisfying judicial expectations for authenticity and integrity [8].

## 4.3 Continuous Reproducible Use

AI–Human Synergy™ is not a static slogan; it is embedded in live validator modules (`auditlogger.py`, `compliance_enforcer.py`, `hashvalidatorblock.py`) and referenced in every session log since June 2025. Multi-validator governance (C5.7, C9.5) enforces zero-custody, cryptographic proof of ongoing commercial deployment. Protocols for audit services using are under final optimisation, and proprietary software have simulated fee-for-service audit flows (Interface screenshots included for reference).

## 4.4 Distinctiveness & Non-Generic Status

"AI–Human Synergy" is an invented combination, not a descriptive phrase recognised by traders or consumers. Under Australian and international distinctiveness standards, invented words are inherently registrable [1][9][10]. No evidence exists of third-party generic use. Even if challenged, five months of uninterrupted, timestamp-verified market usage satisfies acquired distinctiveness through secondary meaning [11].

## 4.5 Anticipated Opposition Arguments

| Claim | Rebuttal |
|---|---|
| "Term is descriptive of collaboration" | No dictionary definition; phrase never appeared in trade prior to Applicant's June 2025 disclosure. Invented composite thus fanciful [1]. |

| Claim | Rebuttal |
|---|---|
| "No commercial use" | Public engagement proof; Multi public repositories display; Software interface; validator payloads form part of fee-based SaaS. All use is timestamp-anchored. |
| "Blockchain evidence unreliable" | Australian & European courts recognise blockchain timestamping as valid proof [5][6]; OP_RETURN outputs are prunable but verifiable, limiting chain bloat concerns [3] while preserving evidentiary value. |

# 5. Conclusion

AI–Human Synergy™ is:

- **Distinct & Non-Descriptive** — coined wording, inherently registrable, or alternatively factually distinctive through continuous public use.
- **Cryptographically Proven** — every appearance is dual-hashed, timestamped and independently verifiable on Bitcoin mainnet and via DOIs.
- **Functionally Embedded** — the mark is inseparable from Sentinel Protocol's live audit engines and commercial validator network.
- **Vigorously Defended** — patents, trade-mark registrations, automated CME enforcement and open-source transparency deter dilution.

Accordingly, AI–Human Synergy™ satisfies all statutory criteria for trade-mark validity, withstands genericity challenges, and merits full protection and continued registration.

# References

## Sentinel Protocol v3.0

Telles, Fernando. Sentinel Protocol v3.0 – AI–Human Synergy™ Infrastructure Technical Summary for Intellectual Property & Strategic Briefing. CDA AI Pty Ltd, June 2025. DOI: 10.13140/RG.2.2.20488.12803 Zenodo: 10.5281/zenodo.15795252

## Sentinel Protocol v3.1

Telles, Fernando. Sentinel Protocol v3.1 – Infrastructure Reproducibility and Public Verification Log. CDA AI Pty Ltd, July 2025. DOI: 10.13140/RG.2.2.29180.65924 Zenodo: 10.5281/zenodo.16607606

## Systematic Review (PROSPERO)

Telles, Fernando; Hookey, Benjamin; Woo, Andrew. AI–Human Synergy™ Execution of a Systematic Review and Meta-Analysis of Cardiac Structure and Function in Preterm-Born Individuals under Sentinel Protocol v3.0. PROSPERO International Prospective Register of Systematic Reviews. CRD Registration Number: CRD420251065371

[1] https://en.wikipedia.org/wiki/Trademark*distinctiveness* [2] *https://www.ledger.com/academy/glossary/op*return [3] https://www.coindesk.com/tech/2025/04/30/bitcoin-debate-on-looser-data-limits-brings-to-mind-the-divisive-ordinals-controversy [4] https://blog.mexc.com/glossary/bitcoin-inscription/ [5] https://www.gillieronavocat.ch/en/2025/03/25/timestamping-via-blockchain-recognized-as-judicial-evidence-a-new-era-for-digital-intellectual-property/ [6] https://www.ipside.com/en/news-en/legal-briefs-en/all-legal-briefs/671-the-emergence-of-the-blockchain-time-stamping-mechanism-an-effective-means-of-ating-creation [7] https://www.theblock.co/post/357594/bitcoin-core-devs-merge-controversial-op_return-policy-change-into-planned-october-release [8] https://www.troutman.com/insights/benefits-and-considerations-of-protecting-your-ip-with-blockchain-technology.html [9] https://www.tilleke.com/insights/trademark-distinctiveness-can-be-established-through-use/2/ [10] https://www.ipaustralia.gov.au/trade-marks/what-are-trade-marks/what-cant-be-a-trade-mark [11] http://classic.austlii.edu.au/au/journals/UNSWLRS/2014/51.pdf [13] https://www.corrs.com.au/insights/protecting-well-known-brands-utility-of-defensive-trade-mark-registrations [14] https://sprintlaw.com.au/articles/ai-and-copyright-essential-legal-considerations-for-australian-businesses/ [15] https://www.scoredetect.com/blog/posts/timestamped-proof-of-ownership-for-trademark-applications-a-guide [16] https://progressivelegal.com.au/trade-marks/trade-mark-infringement/defences/ [17] https://www.minterellison.com/articles/patents-in-the-age-of-ai [18] https://www.goodwinlaw.com/en/insights/publications/2025/04/insights-otherindustries-france-takes-pioneering-step [19] https://manuals.ipaustralia.gov.au/trademark/1.-australian-trademarks-law-and-defensive-trade-marks [20] https://www.ipaustralia.gov.au/trade-marks [21] https://www.novagraaf.com/en/insights/blockchain-and-ip-time-timestamp-your-ip-rights [22] https://www.mondaq.com/australia/intellectual-property/1592904/trademark-disputes-comparative-guide [23] https://search.ipaustralia.gov.au/trademarks/search/quick [24] https://www.certinal.com/glossary/what-is-blockchain-timestamping [25] https://www.dundaslawyers.com.au/trade-mark-infringement-the-good-faith-defence/ [26] https://aime.com.au/knowledge-program/breakout-session-15 [27] https://www.dreyfus.fr/en/2024/10/30/blockchain-technology-a-revolution-in-legal-evidence/ [28] https://progressivelegal.com.au/defensive-trade-marks-what-are-they/ [29] https://insight.thomsonreuters.com.au/legal/posts/ai-tools-for-solicitors-in-australia [30] https://www.wipo.int/en/web/judiciaries/w/news/2025/wipo-webinar-for-judges-digital-evidence-in-trademark-cases [31] https://legalvision.com.au/defences-trade-mark-infringement/ [32] https://r10.ieee.org/act/event/women-in-engineering-ai-synergy-bridging-human-collaboration-deep-learning/ [33] https://www.doi.org/resources/130718-trademark-policy.pdf

**Ordinal 07**

**Trade Mark Evidence of Use Submission**

**Title:** AI–Human Synergy™ — Section 41 Response

📌 Submitted to IP Australia on **01 August 2025 at 17:00 AEST** (Ref: AMCZ-2514787625).

📦 The unaltered `.md` source of this document was cryptographically hashed and immutably published to the Bitcoin blockchain via Ordinal inscription on **04 August 2025**.

🔗 **Bitcoin TXID:**

`84d5b898ccc1335a2a93439f98acce575c31f76c55a19fd0f23fa1c8f44c88cc`

🧱 **Block Height:** 908,498

🧾 **View On-Chain:**

[mempool.space/tx/84d5b898ccc1335a2a93439f98acce575c31f76c55a19fd0f23fa1c8f44c88cc](mempool.space/tx/84d5b898ccc1335a2a93439f98acce575c31f76c55a19fd0f23fa1c8f44c88cc)

🏷️ **Sentinel Protocol Bitcoin Wallet (Ordinal Anchor):**

[bc1pa3695d7x3cl3k4xut599s6e8yfjl5876uwpq82fqy4tsazxn77sss53mht](bc1pa3695d7x3cl3k4xut599s6e8yfjl5876uwpq82fqy4tsazxn77sss53mht)

**Contact & Custodian**

**Governor / Inventor:**

Dr. Fernando Telles BMedSc(Adv) MD(Dist) 📧 Dr.Telles@aihumansynergy.org 🔗 https://www.aihumansynergy.org 🔐 CDA AI | ✅ AI–Human Synergy™ IP Custodian

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# AI-Human Synergy Sentinel Protocol™ Bitcoin Blockchain Anchors

**Author:** Dr. Fernando Telles BMedSc(Adv) MD(Dist) **System:** AI-Human Synergy™ **Protocol:** Sentinel Protocol v3.1 **Mode:** ABSOLUTE MODE
**Status:** Canonical
**Domains:** `meta-analysis.ai` (MVP2), `auditlog.ai` (MVP1)
**Date:** 2025-08-02
**Description:** This document contains all public blockchain anchors of AI-Human Synergy Sentinel Protocol™ as of 02 August 2025, anchored to Bitcoin via OP_Return and ordinal inscriptions. For time. For Reproducibility. For Truth.

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# 🔐 Sentinel Protocol MVP1 OP_Return Payloads confirmed

### 📅 April 1, 2025

**OP_RETURN:**

`(SPv1: 3d88e7... | github.com/TELAISYN/AI-Human-Synergy)`

**TXID:**

`9421e363030f133222071d06f8506ee1901bbe83c1fffc55d9e6aacacf7fbc62`

**Block Height:** `689034`

### 📅 May 2, 2025

**OP_RETURN:**

`(SPv2: 2dd0e86c | github.com/TELAISYN/AI-Human-Synergy)`

**TXID:**

`6262f9d9bb0abad8e234be0198f30d4b7e4f5c6be3ea5d1f3b08da5d96d7ca3a`

**Block Height:** `894852`

### 📅 June 14, 2025

**OP_RETURN:**

`(SENTINEL | MVP2.4 |`

`55a5737bee2fef0662378c3622264d88acf6252d8cab35e61e050bff0b831b09)`

**TXID:**

`0db1012483042cd9261ca6a984f087eff72c9d95161e17192ba10b2ccb7de03b`

**Block Height:** `901180`

### 📅 June 15, 2025

**OP_RETURN:**

`(SENTINEL | MVP2.3 |`

`9a4ff119581429749aba7771bebe9d70dcb154c34693b3f02573b9531156a08e)`

**TXID:**

`ff0a6aee7a3df2f62824d26dd83d3bc72c7db788eb52e5308b5598b5706f3125`

**Block Height:** `901320`

### 📅 June 16, 2025

**OP_RETURN:**

`(SENTINEL | MVP01 | Auditability & Provenance |`

`cf2b1c8da31c80f1a54c58e0a0903c9226108503)`

**TXID:**

`8e44835bf11e1a364f6a9f6c613cd57fc752987d3e108d18e6afd11de5c498ea`

**Block Height:** `901446`

## 📅 June 19, 2025

**OP_RETURN:**

`(SENTINELv3 | MVP1-SR035 | US:63/826,381 |`

`2HA:41d5a18e1da9df37d37a2faeaa62f7c1e32939b7)`

**TXID:**

`8c2eb08d7a58edf0ea2178fe0d81218dd0b5d15bc71cc6fca0a840ad8fee741d`

**Block Height:** `901855`

## 📅 June 17, 2025

**OP_RETURN:**

`(SENTINEL | MVP1 | AU | 2025902482 | c08f096354d7a3c81dceb104f43bc5b40a31e58d)`

**TXID:**

`964e6b06a207363be59e853bedbd1dddf21ba5d881b8d7d1a5e4e8e383c7bc48`

**Block Height:** `901599`

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# Multi-Entity Audit Sessions OP_Return Payloads Confirmed

### Sentinel Protocol v3.0 (MVP1 Core)

TXID: `bd7a9083ca4e3d344e954b6b1fb103f5e60ac991b3b899dea128ac8f5b21b5d3` Payload:
`SENTINEL|MVP1-SESS001|f7d6d022a9d64028e489efe914242301e3962bba` Block: `902485`

TXID: `c555b886ac68b530a6220aa66298dc8c02d5a2eaa84d0a1b66610c0a2ae15ae3`
Payload: `SENTINEL|MVP1-SESS009|fde70f380a138c7fd76f5cf77e2b2e6db3dd606a` Block: 903503

### Cardiovascular Diagnostic Audit & AI Pty Ltd (ACN 638 019 431, ASIC registered 12 Dec 2019)

TXID: `f4fd6f9848a3c3b3c96c2d5015b61d0d463e2532ae23b49430e5fe6c9c6dc95c` Payload: `CDA|`
`CDA-SESS001|a2809af62ce1a02b0769245bd744af98606b4c7d`
Block: 902751

### Levina Telles Pty Ltd (ACN 684 902 387, ASIC registered 27 Feb 2025)

TXID: `0abad30819cf057751d806efe1fd93bb5bc762e8cc1890876f09bc65626a9800` Payload: `LT|LT-`
`SESS001|4b7f7bd576a0bdba79f7d07cf0f7cf72090f6747`
Block: 902751

## Telles Investments Pty Ltd (ACN 638 017 384, ASIC registered 12 Dec 2019)

TXID: `420e5ad4946be42dd9f4e09380c8146c9cb4823f61816f78c6fa7a7fdfce6bfe` Payload: `TINV|TINV-SESS001|04a9bd98602f7273ae791d38a84c38815c94977e`

Block: 902751

## Telles Family Trust (Est 2020)

TXID: `85113172ea9a6889d671f99430533ac5cc4d840dc7cde4b84cbebf9f8a4c51d4` Payload: `TFT|TFT-SESS001|c440d809b10268ee873ff7cfac99135100526c22`

Block: 902751

## LTSF Bitcoin Reserve (ABN 92 605 160 229, ATO compliant SMSF from 17 Mar 2025)

TXID: `3c1d8017436fd4b53d762912b5abf8f08d2a76cf12b421b12813ca3c844bb177` Payload: `LTSFBTC|LTSFBTC-SESS001|e0089796051387f3f55866f95cb9893fe06afb58`

Block: 902753

## LightChain Capital (CDA AI's Internal Digital Assets Division)

TXID: `12f475d81a9572e9131fc17595dabf915c012db951d8abf3b676e29efd98371b` Payload: `LCC|LCC-SESS001|0bce7320a41f387ba9997b7dfafdaffd28019b98`

Block: 902761

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# Validator OP_Return Payloads confirmed

## DRTELLES-VAL001 OP_Return Payload

TXID: `ccf9dc6dde2136b5e2adf035532233cfee255fb3704f8f5838b0de730f41eca0` Payload: `DRTELLES-VAL001|PASS|SENTINFRA-SESS001|05cea9a984e521547de3a405b79fd93c769424fe` Block: `906434`

TXID: `dce22130cc21e917367ce76915122e77d927c86a435173700b985aaea400f9ae` Payload: `DRTELLES-VAL002|PASS|METAVAL-SESS001|b2ff6759100ece7b092156a4ffa82010315956c9` Block: `907637`

## DRWOO-VAL OP_Return Payload

TXID: `fd8f0406f4db2bf39d37a825e8dbd554028d72044813bbda864290fa4e88e0b6` Payload: `DRWOO-VAL001|PASS|SENTINFRA-SESS001|a54419605f5cb9fa7ce39dd5716fc18f9d43f464` Block: `907047`

TXID: `PENDING` Payload: `DRWOO-VAL002|PASS|METAVAL-SESS001|910380d419fd3fc1afe1e3b4e62c611c1ea9c602` Block: `PENDING`

## ENGBHOOKEY OP_Return Payload

TXID: `a5622ac48c93017215a7fb7af6a69bb965220bb3a86e798e721d1f548033a5e3` Payload:
`ENGHOOKEY-VAL001|PASS|SENTINFRA-SESS001|cc4652bfc2ffb00d81982ddff11a704204fe8c15`
Block: `907041`

TXID: `198f0fed2f0f09180b86094e566d2b60d3319a6d5fdd55481a677d1adefb3d51` Payload:
`ENGHOOKEY-VAL002|PASS|METAVAL-SESS001|53875955e0bc727019c938dc9a9520e740c91186` Block:
`908488`

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# Scientific Publication Audit Sessions OP_Return Payloads Confirmed

### SENTINFRA

TXID: `152bce9a7d9c2decc8641ce8cd30ae07f5b02adcb4e38bbedbee5f00a14e69a1` Payload:
`SENTINFRA-SESS001 | 714a8429313004b0ff2fd5069f23702bbb0c9fe1` Block: `906220`

TXID: `c4d2e53197983bf84f219b6b3cf4912fa5ebd3c030ae3debf7f35c1eef135e1c` Payload:
`SENTINEL|SENTINFRA-SESS001|2ebc6ec29d3195f6d3b7050cacc75e145aaa1ad7` Block: `906434`
Note: `ripemd160` of `MVP1-SESS001` disclosed within SENTINFRA-SESS001

TXID: `ea2251eeaaf2f288e0f249d3c4c57346c934636aa2d37a7cac930537d1e3aaaa` Payload:
`SENTINEL|SENTINFRA-SESS005|ec6ae8259da7c55958b156c5b7998633e3db18dc` Block: `907511`

TXID: `2fc3200bde4757a679336d64058cc72d163f87f3b7d9afcea8e632984cc4077b` Payload:
`SENTINEL|ORDINAL05|f6fb3b90e2721ea7554bb0c7ed65aa24c466d414` Block: `907760`

TXID: `b600bfc29c42cbdef13aea5ac3fc42d5e59913b935e0da5de0f04fe299bb8bd1` Payload:
`SENTINEL|SENTINFRA-SESS011|267d75fce31ad442e6f858c8f10f15e511f8dd51` Block: `908326`

### METAVAL

TXID: `cf229b23b074dd9aadfbf37451465725dc30430615e658c7cb44717ed0a4d26e` Payload:
`SENTINEL|METAVAL-SESS001|ef9ea0c29816a081eaaaad408449bd282e63435a` Block: `907525`

TXID: `c658bedb228e33899ccfaeb447f9ed455056d16bd17c7731bac1e957d82b5a19` Payload:
`SENTINEL|METAVAL-SESS005|ce5308fff33a2abf6bf8c13602f1221bf2de6826` Block: `908181`

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# Ordinal Inscriptions confirmed

## Ordinal 01

### Sentinel Protocol v3.0 – AI-Human Synergy™ Protocol Proof

**Title:** AI-Human Synergy™ Execution of a Systematic Review and Meta-Analysis of Cardiac Structure and Function in Preterm-Born Individuals Under Sentinel Protocol v3.0 🪵 This audit log was immutably published on the Bitcoin blockchain via Ordinal inscription on **16 June 2025**.

🔗 TXID: `36068bec1f6e7b9d38a89e445a1b380ea749c2e9af2a1d61a46dda04091be803` Block: 901,414 🧾 Viewable on-chain at: https://mempool.space/tx/ 36068bec1f6e7b9d38a89e445a1b380ea749c2e9af2a1d61a46dda04091be803 🔗 Wallet:

`bc1pa3695d7x3cl3k4xut599s6e8yfjl5876uwpq82fqy4tsazxn77sss53mht`

## Ordinal 02

### 🧠 CDA AI Immutable Audit Ledger Technology | Sentinel Protocol v3.0 – Patent Pending Confirmation

**Title:** System and Method for Mandatory Human-Supervised AI-Human Synergy™ Audit Logging Using Multi-Layer Blockchain Anchoring, Cryptographic Chain Validation, and Real-Time Ethics Enforcement 🪵 This audit log was immutably published on the Bitcoin blockchain via Ordinal inscription on **19 June 2025**.

🔗 TXID: `b233578055bb5412b0a478c99811fc692839be4f418b26bbbb1b37c2a02b243a` Block: 901,858 🧾 Viewable on-chain at: https://mempool.space/tx/ b233578055bb5412b0a478c99811fc692839be4f418b26bbbb1b37c2a02b243a 🔗 Wallet:

`bc1pa3695d7x3cl3k4xut599s6e8yfjl5876uwpq82fqy4tsazxn77sss53mht`

## Ordinal 03

### 🪵 MVP-1 | Multi-Entity Bitcoin Audit Anchor

**Title:** 🧠 Sentinel Protocol v3.0 | AI-Human Synergy™ Execution Mode
🪵 This audit log was immutably published on the Bitcoin blockchain via Ordinal inscription on **26 June 2025**.

🔗 TXID: `22e929af992dc5861405b0900f9a42af17d531195ed39153018755d8cdccefa2` Block: 902,778 🧾 Viewable on-chain at: https://mempool.space/tx/ 22e929af992dc5861405b0900f9a42af17d531195ed39153018755d8cdccefa2 🔗 Wallet:

`bc1pa3695d7x3cl3k4xut599s6e8yfjl5876uwpq82fqy4tsazxn77sss53mht`

## Ordinal 04

## The world's first auditable AI–Human Synergy™ infrastructure with enforced ethics, cryptographic proof, and Bitcoin anchoring

**Title:** Sentinel Protocol v3.0 – AI–Human Synergy™ Infrastructure Technical Summary for Intellectual Property & Strategic Briefing 📦 This white paper was immutably published on the Bitcoin blockchain via Ordinal inscription on **27 June 2025**.

🔗 TXID: `9e70b9510ce64ed53ee5565a114fe96a79b59058499efa1fa400c1155d490986` Block: 902,895 🧾 Viewable on-chain at: https://mempool.space/tx/ 9e70b9510ce64ed53ee5565a114fe96a79b59058499efa1fa400c1155d490986

🔗 Wallet: `bc1pa3695d7x3cl3k4xut599s6e8yfjl5876uwpq82fqy4tsazxn77sss53mht`

## Ordinal 05*Full*Metadata

### Sentinel Protocol v3.1 Infrastructure Pre-Public Deployment Audit Log

**Title:** Foundational Reproducibility and Infrastructure Audit Record with ALL `meta_data` inscribed. 📦 This audit log was immutably published on the Bitcoin blockchain via Ordinal inscription on **29 July 2025**.

🔗 TXID: `f8164783eb1db621f4da787dd6d2258f4cdaeb80daecbfde47dbbb706cddd332` Block: 907,651 🧾 Viewable on-chain at: https://ordinals.com/inscription/ f8164783eb1db621f4da787dd6d2258f4cdaeb80daecbfde47dbbb706cddd332i0 🔗 Wallet: `bc1pa3695d7x3cl3k4xut599s6e8yfjl5876uwpq82fqy4tsazxn77sss53mht`

## Ordinal 05

### Sentinel Protocol v3.1 Infrastructure Pre-Public Deployment Audit Log

**Title:** Foundational Reproducibility and Infrastructure Audit Record 📦 This audit log was immutably published on the Bitcoin blockchain via Ordinal inscription on **30 July 2025**.

🔗 TXID: `ae198274a00abbb8296a3b9412e6fd3a62360bcf062e000fa2908d8f3b90e803` Block: 907,720 🧾 Viewable on-chain at: https://mempool.space/tx/ 🔗 Wallet: `bc1pa3695d7x3cl3k4xut599s6e8yfjl5876uwpq82fqy4tsazxn77sss53mht`

## Ordinal 06

### Public Verification Guide

**Title:** Sentinel Protocol v3.1 – Zero-Custody Reproducibility (C9.5) 📦 This audit log was immutably published on the Bitcoin blockchain via Ordinal inscription on **30 July 2025**.

🔗 TXID: `e11022c0ae5b6d603a815e17eeb3af2573cf3cf0ca4f5372da7b63b04dc7ebe3` Block:

907,840 📄 Viewable on-chain at: https://mempool.space/tx/ 🔗 Wallet:

`bc1pa3695d7x3cl3k4xut599s6e8yfjl5876uwpq82fqy4tsazxn77sss53mht`

## Ordinal 07

### Trade Mark Evidence of Use Submission

**Title:** AI–Human Synergy™ — Section 41 Response

📌 Submitted to IP Australia on **01 August 2025 at 17:00 AEST** (Ref: AMCZ-2514787625).

📦 The unaltered `.md` source of this document was cryptographically hashed and immutably published to the Bitcoin blockchain via Ordinal inscription on **04 August 2025**.

🔗 **Bitcoin TXID:**

`84d5b898ccc1335a2a93439f98acce575c31f76c55a19fd0f23fa1c8f44c88cc`

🧱 **Block Height:** 908,498

📄 **View On-Chain:**

mempool.space/tx/84d5b898ccc1335a2a93439f98acce575c31f76c55a19fd0f23fa1c8f44c88cc

🏷️ **Sentinel Protocol Bitcoin Wallet (Ordinal Anchor):**

bc1pa3695d7x3cl3k4xut599s6e8yfjl5876uwpq82fqy4tsazxn77sss53mht

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## BTC Wallet Adresses:

### TELAISYN OP_Return (Receiving)

- `bc1qhx6kkp4kcqnp6asqt3492nrk7g2ketm80gw6w9`

### TELAISYN Ordinal (BTC Taproot Receiving)

- `bc1pa3695d7x3cl3k4xut599s6e8yfjl5876uwpq82fqy4tsazxn77sss53mht`

### Independent Validator: DRWOO-VAL

- `bc1qmfa79gpa06gpv53u3qs4s39486mwfztukxysc5`

### Independent Validator: ENGBHOOKEY-VAL

- `bc1q94qegs7x9mk6g5kenfgvawgcxpf27f0slhw69r`

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