Problem · Blind Spot · Core Proposition

A concise infrastructure brief for a missing coordination layer in multi-agent AI: handoff integrity, auditability, and accountable continuity.

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AI systems increasingly work in teams. One agent starts; another continues. At the handoff, commitments are often lost, and **no standard mechanism exists** to verify where continuity broke.

— PLAIN LANGUAGE

When AI agents pass work to each other, the rules agreed in the previous conversation often disappear entirely. The next agent doesn't know what was settled before — and there's no reliable check that anything survived the handoff. This is an infrastructure gap, not a writing problem. Making prompts longer doesn't fix it.

False

Continuity appears intact because a successor reads a summary, but prior commitments are not actually inherited.

Lost

Constraints established earlier can vanish silently during handoff, with no alert and no durable record.

No

Audit trace is missing, so drift cannot be traced back to a specific step or agent.

This is not a prompt-length problem. It is a structural failure: AI systems lack a verifiable coordination layer between them.

CORE PROPOSITION

What TCP/IP did for data, and what SMTP did for messaging, this work aims to do for AI agent coordination: make collaboration **reliable, auditable, and accountable** without central orchestrators or cloud control planes.

• SEVEN INTERLOCKING LAYERS

Ecosystem Map

A stack that runs from protocol boundary to measurement layer, preserving verifiable continuity across session breaks, model switches, and human intervention.

LAYER	COMPONENTS	FUNCTION
Measurement	ASDR	Detects when and where semantic drift first appears
Identity & Verification	ACV · SLT · VCE	Establishes agent identity and verifies whether handoff actually succeeded
Transport & Governance Runtime	IDDP · AGR	Govern how tasks move and what actions are permitted
State	SIC-JS v2.0	Carries a structured 18-field payload describing the agent's current state
Protocol Boundary	SIC/T Protocol v2.0	Provides the frozen skeleton that keeps the other layers honest
Governance Corpus	Babel Constitution	Holds 6,325 formal constraints extracted from 700+ real rounds
Human Layer	HC · C4	Keeps humans in the loop and preserves human sovereignty

— PLAIN LANGUAGE

Think of it like the OSI model for networks — but for AI coordination. Each layer has a specific job: the bottom handles identity and rules, the middle governs how tasks move between agents, the top measures whether everything is actually working as agreed. Remove any one layer and the whole system loses its guarantees.

VISIBLE TIP

ASDR is the first publicly reproducible deliverable — independently reproduced on a clean machine, May 2026. It is the visible tip; the ecosystem is the iceberg.

Timing · Builder · Ask

The case for timing, the current state of the work, and the budget range required to move from a running prototype to reproducible public infrastructure.

Why now

- **EU AI Act:** enforceable August 2026, increasing pressure for traceability.
- **Enterprise deployment:** multi-agent pipelines scaling without a coordination standard.
- **No standard exists:** the gap is real, open, not clearly owned by any body.
- **12–18 month window:** demand is opening before infrastructure matures.

Why this builder

- Three years of entirely self-funded work
- A live prototype rather than a proposal only
- 700+ documented deployment rounds
- ASDR independently reproduced by a third party, May 2026

PLAIN LANGUAGE

The infrastructure gap is real and currently unoccupied — no standard exists, and the window won't stay open indefinitely. A working prototype already exists; this isn't a proposal for something that might work. The funding converts a running experiment into public infrastructure that others can build on.

WHAT THE GRANT FUNDS

ITEM	AMOUNT
Living expenses (6 months)	$1,500 / month
Rent (6 months)	$1,500 / month
Hardware (2 nodes)	~$5,000
API for benchmark experiments	~$6,000
Workshop travel	~$3,500
Publication and team building	$2,000–5,000 / month
External pilot deployment	~$2,400
Total range (±10%)	**$45,000–$55,000**

Everything is MIT-licensed. The goal is adoption, not control. Funding this work helps this infrastructure exist sooner.

• SIC-SIT 協議生態系 · 2026 年 5 月

問題・系統盲點・核心命題

這是一份基礎設施簡報，處理多代理 AI 協作中缺失的交接完整性、審計能力與可問責連續性。

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AI 系統愈來愈常以團隊方式工作。前一個 agent 開始，下一個 agent 接手。在交接時，原本已成立的承諾常常就此消失，而且**沒有標準機制能驗證連續性究竟在哪裡斷裂。**

白話版

AI agent 交接工作時，之前講好的規則常常就這樣消失了。下一個 agent 不知道前面說好什麼，也沒有任何機制能驗證。這是基礎設施問題，不是提示詞問題。

假連續性

後繼 agent 讀了摘要後便繼續執行，但並沒有真正繼承前一段承諾。

承諾遺失

先前建立的約束在交接時靜默消失，沒有警示，也沒有可追蹤的紀錄。

無法追溯

最終輸出出錯，卻沒有機制能回溯是哪一步、哪個 agent 引入了漂移。

這不是把 prompt 寫得更長就能解決的問題，而是一種結構性失效：AI 系統之間缺乏可驗證的協調層。

核心命題

網際網路為資料傳輸所做的、SMTP 為訊息傳遞所做的，這份工作想為 AI agent 協調做同樣的事：在不依賴中央編排者或雲端控制平面的情況下，讓協作變得**可靠、可審計、可問責**。

• 七個互相咬合的層

生態系地圖

這個堆疊從協議邊界一路延伸到量測層，目的在於 session 中斷、模型切換與人類介入之下，仍維持可驗證的連續性。

層次	組件	功能
量測層	ASDR	偵測語義漂移最早出現的位置與時間點
身份與驗證層	ACV · SLT · VCE	確立 agent 身分，並驗證交接是否真正成功
傳輸與治理執行層	IDDP · AGR	規範任務如何在 agent 之間移動，以及可被允許的動作
狀態層	SIC-JS v2.0	攜帶一份結構化的 18 欄位 payload，描述 agent 當前所處狀態
協議邊界層	SIC/T Protocol v2.0	提供一套凍結骨架，讓其餘層次保持誠實
治理語料庫	Babel Constitution	容納從 700+ 輪真實協作中提取出的 6,325 條形式約束
人類層	HC · C4	確保人類始終在迴路中，並保留人類主權

白話版

把它想成網路的 OSI 模型 — 每一層有自己的工作。最底層處理身份和規則，中間層管理任務怎麼在 agent 之間移動，最上層量測一切是否真的有在運作。缺少任何一層，整個系統的保證就不成立。

可見的冰山一角

ASDR 是目前第一個公開可重現的交付物。它是可見的冰山一角；整個生態系才是冰山本體。

時機・建造者・申請範圍

這一頁說明現在提出的理由、目前工作的成熟度，以及把活的原型推進為可重現公共基礎設施所需的資金範圍。

為什麼是現在

- **EU AI Act：**2026 年 8 月開始生效，對可追溯性與審計能力提出更高要求。
- **企業規模部署：**多代理 pipeline 快速擴張，協調標準仍然缺席。
- **標準不存在：**這個缺口是真實存在的，尚未被明確接管。
- **12–18 個月窗口：**需求已經打開，基礎設施仍未成熟。

為什麼是這個人

- 三年完全自費，沒有機構也沒有資助
- 已有活的原型，而不只是紙上提案
- 700+ 輪實際部署回合已被記錄
- ASDR 已於 2026 年 5 月被第三方獨立重現

白話版

這個缺口是真實存在的，現在沒有人在做這件事，而且這個窗口不會一直開著。已經有一個跑得起來的原型 — 這不是一個「可能行得通」的提案。這筆資金把它從「能跑的實驗」變成「別人可以在上面建造的公共基礎設施」。

這筆資金的用途

項目	金額
生活費（6 個月）	$1,500 / 月
房租（6 個月）	$1,500 / 月
硬體（2 台節點）	~$5,000
Benchmark 實驗所需 API	~$6,000
Workshop 旅費	~$3,500
發表與團隊建立	$2,000–5,000 / 月
外部試點部署	~$2,400
總申請範圍（±10%）	**$45,000–$55,000**

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