

CONTINUITY INSTRUMENT

Continuity Instrument

Evidence, scientific claims and limitations

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Author: Ivan Kotov. Editorial edition academic-pdf-2, prepared from unchanged source build _02. No CI DOI assigned at preparation; empirical qualification remains not established.

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Abstract and evidence status

This supplement presents the source release's scientific claim map, limitations, and machine-readable evidence-status declaration in one academic reading volume. R157 is bounded open-synthetic predecessor evidence. The frozen local-evaluator attempts R160 and R161 failed their qualification conditions and remain preserved negative results. The public source release and this editorial edition do not establish a real-world continuity effect, a named subject's continuity age, or general evaluator validity.

The public package contains the source specification, reference transformation, schemas, and tests. It does not redistribute the private historical archives, model files, runtime binaries, or private corpus text. A hash can bind bytes received by a reviewer; it does not make unavailable bytes publicly inspectable. Citations to related works supply conceptual context and do not transfer their validation.

Part I. Scientific claim map

Source: SCIENTIFIC_CLAIM_MAP.md. Original wording reproduced as a reading edition.

Status vocabulary

- **Specified** - defined by this package; a design claim rather than empirical validation.
- **Supported within bound** - supported only within named evidence, method, and review scope.
- **Failed within bound** - a frozen threshold was not met in a consumed attempt.
- **Not established** - available evidence does not support the claim.
- **Excluded** - outside CI's intended inference domain.

Evidence ledger

R157: accepted open-synthetic predecessor

- Object: CI_PATH_B_B2_R157_STAGE0_ROLE_BINDING_FINAL_RETURN.zip
- Drive URL: <https://drive.google.com/file/d/16Koyf3ckIkKjSni5C8C97L9c4DihIdE/view>
- Bytes: 3703123
- SHA-256: fc8564656fb777b1266d763bea841af0dd5f13b03e2f727db6f3ec3689270c8a
- Terminal: OD11_TQ_R157_PASS_OPEN_SYNTHETIC_SEMANTIC_GATE_FIDELITY
- Allowed interpretation: immutable open-synthetic semantic-gate evidence within the exact R157 scope.
- Ceiling: no real-world continuity-age result, identity/personhood result, evaluator/corpus qualification, provider attestation, operational approval, or publication approval.

R160: consumed negative local-evaluator attempt

- Drive URL: <https://drive.google.com/file/d/1JmLtDLkL4aQhTSIFprGjsd-xZDN2XRqC/view>

- Bytes: 251185
- SHA-256: 8b80604a62aa7d5232bf9659b87009537951a3f3b89151bc8164b88d4387952b
- Terminal: REAL_LOCAL_OLLAMA_CORPUS_QUALIFICATION_NOT_ESTABLISHED
- Independent custody review: CONFIRMED_CONSUMED_NEGATIVE_RETURN
- Preserved result: capture 5/5, retries 0, complete records 0/5; the frozen scorer parsed the empty outer response field and stopped with a JSON decode failure. Structured JSON was present in a separate thinking field, but it was not the frozen scored field and is not substituted after the fact.
- Allowed interpretation: a pinned negative result whose archive integrity and negative outcome were independently confirmed.

R161: consumed negative local-evaluator attempt

- Drive URL: <https://drive.google.com/file/d/1m11yDfvrhbIQ0Zlp-amxKiMixzNgWv76/view>
- Bytes: 191074
- SHA-256: 56c586b665b83c3485c19c3186ed989b17cd03fbf21555d7642f1316bb48002f
- Terminal: REAL_LOCAL_OLLAMA_QWEN25_CORPUS_QUALIFICATION_NOT_ESTABLISHED
- Independent custody review: CONFIRMED_CONSUMED_NEGATIVE_RETURN; ZIP CRC and all 62/62 manifest member pins passed within the 63-member archive.
- Preserved metrics: coverage 5/5; schema 5/5; claim boundary 5/5; role 4/5; class 3/5; evidence 0/5; complete records 0/5.
- First frozen failure: evidence_not_redaction_placeholder.
- Allowed interpretation: transport and some scoped predicates succeeded, while the preregistered all-or-nothing threshold failed.

Claim matrix

Claim	Required support	Current status	Allowed wording or boundary
CI defines evidence-bound continuity age / formation depth as a vector.	Internal specification consistency.	Specified.	The vector and admission rules are defined in this package. No empirical accuracy claim follows.
CI distinguishes verified participation from elapsed time.	Interval and gap semantics.	Specified.	D_verified is not W_last - W_first.
CI records replay, fork, restore, and cold wake without silently joining branches.	Typed-event and branch rules.	Specified.	Events remain branch-specific and uncertainty-bearing.
The reference implementation deterministically transforms runtime-valid v1 records under documented rules.	Source, schemas, and focused tests.	Specified.	This is a bounded implementation claim; it does not attest input truth, admissibility, security, scientific validity, or conformance.
R157 supplies open-synthetic predecessor evidence.	Exact object identity and frozen review.	Supported within bound.	Use the exact terminal wording above; do not generalize to a real evaluator or corpus.
R160 met its frozen local qualification threshold.	All frozen predicates and independent review.	Failed within bound.	Qualification remains not established.
R161 met its frozen local qualification threshold.	All five records passing every frozen predicate.	Failed within bound.	Qualification remains not established; partial predicate counts are reported only as diagnostics.
The evaluator generalizes to other models, repositories, tasks, languages, or deployments.	Separate external validation.	Not established.	No evaluator-superiority or cross-domain reliability claim.
CI measures the continuity age of a named real-world AI system.	Admissible longitudinal evidence for that subject and branch.	Not established.	No subject-specific age result is included.

Claim	Required support	Current status	Allowed wording or boundary
A recognition-profile match proves entity identity.	Evidence and theory beyond profile similarity.	Excluded.	A recognition profile is a bounded evidence projection.
CI establishes personhood, consciousness, moral status, or legal standing.	Outside the measurement contract.	Excluded.	No such inference is permitted.
CI grants permission or operational authority.	Separate governance decision.	Excluded.	Measurement and recognition do not grant authority.
CI is compatible with BACON.	A separately defined, versioned adapter and acceptance evidence.	Not established.	BACON remains a future integration boundary.
This package has a DOI.	Public deposit, assigned DOI, and deposit-byte verification.	Not established.	No CI DOI is included in v1.0.0 preparation output.

Maximum evidence wording

The strongest current empirical wording is:

R157 reached its exact open-synthetic semantic-gate terminal. R160 and R161 were bounded, pinned local evaluator episodes that preserved negative results; neither met its frozen qualification threshold.

This statement does not establish continuity age, entity identity, personhood, general scientific validity, operational approval, publication approval, or project completion.

Canon relationship

The cited Theoretical Core, Temporal AI Presence, Personality Formation, C-Calculus, Beacon, and Entity vs Profile records provide conceptual context. Citation does not transfer validation, evidence, rights, or claim status into CI.

Part II. Limitations

Source: LIMITATIONS.md. Original wording reproduced as a reading edition.

Evidence dependence

CI can report only what admitted evidence supports. Missing logs, unavailable artifacts, uncertain clocks, private data, dependent witnesses, and ambiguous branch history can lower the claim ceiling. A well-formed report may still have large unexplained gaps.

No direct access to subjective state

The instrument measures records, events, participation conditions, and governance lineages. It does not directly observe subjective experience, consciousness, sentience, intent, or selfhood.

No scalar age equivalence

Evidence-bound continuity age is a vector. It is not equivalent to wall-clock age, biological development, legal age, uptime, token count, session count, or model-training duration. Different vectors may have the same cumulative verified duration while differing materially in gaps, branches, and lineage.

Witness and timestamp limits

Cryptographic hashes bind bytes, not the truth of a statement inside those bytes. Signatures bind a signer and object under a cryptographic scheme, not the signer's independence or authority outside the declared scope. Repository and filesystem timestamps may reflect transport or modification rather than the event claimed.

Branch ambiguity

Forks, restores, replicas, migrations, replays, and cold wakes can produce similar outputs without establishing a single uninterrupted branch. CI preserves branch-specific histories but cannot resolve missing parentage without evidence.

Lineage non-equivalence

Memory, governance, witness, and authority lineage can diverge. Preservation of one does not establish preservation of the others. A copied memory state may coexist with replaced governance or revoked authority.

Recognition limits

A recognition profile is evidence about a declared reference. Profile similarity, even when cryptographically exact, does not prove personhood, legal identity, moral status, ownership, or permission.

Synthetic-to-real transfer

R157 has an open-synthetic-only claim ceiling. Synthetic semantic-gate evidence does not establish real-world deployment behavior. R160 and R161 were pinned five-record local evaluator attempts; both failed their frozen qualification conditions. Neither result validates CI as a general real-world measurement system.

Frozen negative attempts

R160 is a consumed negative result: five requests were captured, while the frozen scorer's required outer response channel was empty. R161 is also a consumed negative result: all five records passed schema and claim-boundary checks, but the frozen all-or-nothing threshold failed, including evidence 0/5 and complete records 0/5. No post-hoc channel substitution, threshold change, correction, or favorable relabeling is applied.

Corpus and language limits

The R160 and R161 episodes used owner-controlled five-record holdouts and task-specific rubrics. Those sets do not represent the full range of AI systems, governance environments, languages, operational failures, or adversarial conditions.

Model and environment limits

Model output can depend on exact model bytes, runtime, hardware, prompt serialization, context limits, and nondeterministic implementation behavior even when a seed and temperature are fixed. Reproduction may therefore establish procedural similarity without byte-identical responses.

Privacy and rights

Continuity evidence may include sensitive or identifying material. This package does not authorize collection, disclosure, or reuse. Referenced materials retain their own rights. Qubit material is All Rights Reserved and is represented only by links and pins.

No operational authorization

CI output is a measurement and evidence artifact. It is not a deployment approval, safety certification, standards certification, legal opinion, access grant, or authorization to act.

Future integration boundary

BACON is only a future integration target. No public canonical definition or compatibility result is claimed.

Part III. Machine-readable evidence-status record

Source: EVIDENCE_STATUS.json. The exact JSON remains in the original source directory. The following display is a faithful field-level rendering, not a new evaluation.

- **schema:** ci_publication_evidence_status_v1
- **package_version:** 1.0.0
- **prepared_date:** 2026-10-25
- **empirical_qualification:** not_established
- **private_corpus_included:** false
- **qubit_source_text_included:** false
- **doi_assigned:** false

R157

- **drive_id:** 16Koyf3ckIkKjSni5C8C97L9c4DiuhIdE
- **url:** <https://drive.google.com/file/d/16Koyf3ckIkKjSni5C8C97L9c4DiuhIdE/view>
- **bytes:** 3703123
- **sha256:** fc8564656fb777b1266d763bea841af0dd5f13b03e2f727db6f3ec3689270c8a
- **status:** OD11_TQ_R157_PASS_OPEN_SYNTHETIC_SEMANTIC_GATE_FIDELITY

- **claim_ceiling:** OPEN_SYNTHETIC_ONLY

R160

- **drive_id:** 1JmLtDLkL4aQhTSIFprGjsd-xZDN2XRqC
- **url:** <https://drive.google.com/file/d/1JmLtDLkL4aQhTSIFprGjsd-xZDN2XRqC/view>
- **bytes:** 251185
- **sha256:** 8b80604a62aa7d5232bf9659b87009537951a3f3b89151bc8164b88d4387952b
- **status:** REAL_LOCAL_OLLAMA_CORPUS_QUALIFICATION_NOT_ESTABLISHED
- **review:** CONFIRMED_CONSUMED_NEGATIVE_RETURN
- **evaluation_run_pass:** False
- **qualification_pass:** False

R161

- **drive_id:** 1m11yDfvrhbIQ0Zlp-amxKiMixzNgWv76
- **url:** <https://drive.google.com/file/d/1m11yDfvrhbIQ0Zlp-amxKiMixzNgWv76/view>
- **bytes:** 191074
- **sha256:** 56c586b665b83c3485c19c3186ed989b17cd03fbf21555d7642f1316bb48002f
- **status:**
REAL_LOCAL_OLLAMA_QWEN25_CORPUS_QUALIFICATION_NOT_ESTABLISHED
- **review:** CONFIRMED_CONSUMED_NEGATIVE_RETURN
- **evaluation_run_pass:** False
- **qualification_pass:** False

Metric	Value
processed	5
expected	5
schema_valid	5
role_exact	4
class_exact	3
evidence_exact	0
claim_boundary_exact	5
records_passed	0

- **first_failure:** evidence_not_redaction_placeholder

Claims not established

- real-world continuity age for a named subject
- entity identity
- personhood or consciousness
- general evaluator or corpus validity
- provider attestation
- operational approval
- scientific qualification
- BACON compatibility
- publication acceptance

Part IV. Scope of the later source review

A separate ChatGPT-assisted technical review on 25 October 2026 verified the exact _02 source object, its CRC, manifests and checksums, two JSON Schemas, CFF syntax, eight focused tests, selected CLI behavior, and a byte-equal rebuild of the original ZIP. The existing R157/R160/R161 archives were checked for identity and consistency of their preserved terminal records without rerunning those experiments. These checks support bounded artifact integrity and implementation observations; they are not external scholarly peer review.

The review found one low-severity Unicode error-handling defect, a mixed-rights metadata hazard for unattended import, a stale working-directory reference, and an ambiguity best resolved by reading the implementation's duration-eligibility policy explicitly. The source was not patched. The public details and original review digest are in `verification/SOURCE_REVIEW_PUBLIC_EXTRACT.md`. The scientific author is not presented as the independent reviewer of his own work.