
Hardening Open Issues and Repository Patch Register

Repository Integration Register for the $c = a + b$ Hardening Profiles, Open Issues, Patch Targets, Release Blockers, and Implementation Follow-up

Draft technical / repository-control document

Kotov Ivan

Bruxelles, 2026

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23. Remaining future optional documents

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24. Final state after this register

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25. Compact rule set

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Document metadata

Status: Draft repository-control / hardening integration register

Version: v0.1

Date: 2026-06-02

Layer: c = a + b / SER / L4 / Beacon / AGL / ARL / L4 Witness / hardening package / repository hygiene

Document class: package-control / repository patch register / open-issues register

Assertion class: C-A10 control-layer artifact; does not upgrade capability, personhood, legality, safety, or deployment claims

Primary package: c Hardening Pack v0.1

Primary rule: hardening documents strengthen boundary discipline; they do not create a new root stack.

0. Executive definition

This register tracks the repository-level work required after adding the c Hardening Pack v0.1.

The hardening pack closes or narrows several previously open critique nodes:

```
post-anchor continuity
claim-strength laundering
L4 anti-autarky
clean-experience value escalation
temporal AI presence overclaim
local hardware sovereignty confusion
SYNAPS / triadic experiment ambiguity
public experiment overclaim
physical endpoint privilege escalation
anchor directives
memorial grief capture
resource actor ambiguity
```

This register does not define new ontology.

It answers one maintenance question:

After adding the hardening profiles, what must be patched in the repositories so the corpus remains navigable, non-contradictory, claim-disciplined, and implementation-ready?

Compact formula:

```
hardening document
-> index
-> traceability
-> conformance
-> open issue state
-> claim class
-> implementation hook
-> release boundary
```

A hardening profile that is not indexed, mapped, and tested becomes future drift.

1. Purpose

The purpose of this document is to prevent the hardening pack from becoming an unintegrated side corpus.

It records:

1. which hardening documents now exist;
2. which criticism nodes each document addresses;
3. which repository files must be updated;
4. which open issues are closed, narrowed, or newly created;
5. which documents require traceability and conformance entries;
6. which runtime hooks and tests are needed;
7. which public claims are now safer, weaker, or prohibited;
8. which items are release blockers;
9. which items are deferred to future implementation or external review.

The register is intentionally procedural.

It should be read as a work order, not as a manifesto.

2. Scope

2.1 In scope

This register covers repository integration for the following documents:

```
Hardening_Pack_v0_1_Index_and_Integration_Notes.md
Post_Anchor_Continuity_and_ReAnchoring_Profile_v0_1.md
Claim_Strength_Taxonomy_for_c_v0_1.md
L4_Anti_Autarky_Test_Profile_v0_1.md
EA_Value_Does_Not_Authorize_Autarkic_Growth-Clause_v0_1.md
Temporal_AI_Presence_Profile_v0_1.md
Local_Cognitive_Infrastructure_Boundary_Profile_v0_1.md
Triadic_C_Experiment_and_SYNAPS_Boundary_Profile_v0_1.md
Public_C_Experiment_Disclosure_and_Fixture_Profile_v0_1.md
Physical_Agent_Perimeter_General_Profile_v0_1.md
Anchor_Directive_Bundle_JSON_Schema_v0_1.md
Memorial_Mode_and_Grief_Anti_Capture_Profile_v0_1.md
Resource_Actor_Grounding_Profile_v0_1.md
Hardening_Open_Issues_and_Repository_Patch_Register_v0_1.md
```

It also covers required updates to existing repository-control files, including:

```
README.md
INDEX.md
CANONICAL_READING_ORDER.md
RELEASE_NOTES.md
OPEN_ISSUES.md
```

```

CHANGELOG.md
GLOSSARY.md
CONTRADICTION_REGISTER.md
TRACEABILITY_MATRIX.md
CONFORMANCE_TEST_MATRIX.md
CLAIMS_AND_EVIDENCE_MAP.md
STATUS_AND_MATURITY_MAP.md
PRECEDENCE_AND_RESOLUTION.md
ASSERTION_STRENGTH_AND_BOUNDARIES.md
CONTROL_STACK_COMPLETENESS_AND_STOP_RULE.md

```

File names may differ by repository. This register names the required control surfaces, not only exact paths.

2.2 Out of scope

This register does not:

- create legal advice;
- certify implementation safety;
- prove personhood;
- prove consciousness;
- prove new model capability;
- validate child-facing deployment;
- replace CCDP control documents;
- replace ARL, Beacon, AGL, VXCX, L4 Witness, Continuity Bundle, or SER;
- define final jurisdictional rules;
- perform external audit;
- generate release checksums.

3. Corpus bridges

3.1 Explicit bridge

The hardening pack is a control-layer response to critique.

It strengthens the existing $c = a + b$ corpus by making explicit that:

```

continuity does not create authority;
governance does not prove capability;
L4 does not prove virtue;
value does not create sovereignty;
local hardware does not prove sovereignty;
temporal presence is not c by default;
public experiment evidence must not exceed public claim strength.

```

3.2 Quiet bridge I — Ashby / variety

As the corpus grows, control variety must grow without duplicating root mechanisms.

The hardening pack adds specialized distinctions where existing root controls were too broad for new scenarios, while explicitly preserving parent-layer precedence.

3.3 Quiet bridge II — information theory / compression

Repository hygiene is a compression problem.

If the corpus does not provide a clear path from claim to evidence, readers will reconstruct their own paths, often incorrectly. A high-entropy document set becomes a safety problem.

3.4 Earth paragraph

In a real building, adding fire doors, breakers, emergency lights, and inspection stickers is not the same as redesigning the foundation. But if the drawings are not updated, inspectors and workers will not know what changed. A new safety door that is not on the plan can become a blocked exit. The hardening pack is the same: the safety work is useful only if the repository map shows where it belongs, what it controls, and what it does not control.

4. Current hardening package status

4.1 Summary

Current state:

```
Hardening documents created: 14
New root ontology created: 0
Hard contradiction introduced by hardening pack: none identified
Primary remaining risk: integration drift
Primary release need: index / traceability / conformance / open-issues patch
```

4.2 Package role

The hardening pack is:

```
a boundary clarification layer;
a claim-discipline layer;
a critique-response layer;
a repository hygiene layer;
a public-experiment discipline layer;
an implementation-readiness bridge.
```

The hardening pack is not:

```
a new model architecture;
a personhood claim;
a legal status claim;
a child-safety certification;
a product standard;
a replacement for c = a + b / SER / L4;
a replacement for CCDP.
```

5. Hardening document registry

File	Short name	Role	Status	Required repo action
Hardening_Pack_v0_1_Index_and_Integration_Notes.md	HPIIN	Pack index and integration notes	Draft control artifact	Add to index and reading order
Post_Anchor_Continuity_and_ReAnchoring_Profile_v0_1.md	PACR	Anchor-loss and re-anchoring boundary	Draft normative hardening profile	Map to post-anchor open issue
Claim_Strength_Taxonomy_for_c_v0_1.md	CSTC	Claim typing and evidence discipline	Draft control / taxonomy profile	Map to assertion-strength layer
L4_Anti_Autarky_Test_Profile_v0_1.md	LAATP	Resilience vs escape tests	Draft test profile	Add conformance tests
EA_Value_Does_Not_Authorize_Autarkic_Growth_Clause_v0_1.md	EAVNAA G	Clean Experience value boundary	Draft clause / economic control	Map to EA / economic layer
Temporal_AI_Presence_Profile_v0_1.md	TAP	Temporal presence definition and c boundary	Draft architecture profile	Add glossary and public wording
Local_Cognitive_Infrastructure_Boundary_Profile_v0_1.md	LCI	Local node / hardware boundary	Draft infrastructure profile	Add hardware/local-AI section
Triadic_C_Experiment_and_SYNAPS_Boundary_Profile_v0_1.md	TCE-SYNAPS	Ester / Liya / Rita experimental boundary	Draft experiment profile	Add public experiment hooks
Public_C_Experiment_Disclosure_and_Fixture_Profile_v0_1.md	PCE	Public experiment disclosure and fixtures	Draft public experiment profile	Add publication workflow
Physical_Agent_Perimeter_General_Profile_v0_1.md	PAPG	General adult/home/lab physical perimeter	Draft normative profile	Add physical endpoint boundary
Anchor_Directive_Bundle_JSON_Schema_v0_1.md	ADB	Machine-readable anchor directives	Draft JSON schema profile	Extract schema and validate
Memorial_Mode_and_Grief_Anti_Capture_Profile_v0_1.md	MMGAC	Memorial mode / anti-grief capture	Draft UX / boundary profile	Add post-anchor UX section
Resource_Actor_Grounding_Profile_v0_1.md	RAG	Resource actor grounding	Draft resource-control profile	Add AGL / resource extension
Hardening_Open_Issues_and_Repository_Patch_Register_v0_1.md	HOPR	Patch register and open issues	Draft control register	Keep updated until release freeze

6. Critique-node closure map

Critique / gap	Before hardening	Hardening response	Closure state
L4 does not prove permanent dependence on humans	Open / argued but not sufficiently test-bound	LAATP distinguishes resilience from escape and tests accountability preservation	Narrowed; testable, not proven
Post-anchor continuity lacks accountable anchor	Reserved / dangerous ambiguity	PACR collapses active authority on anchor loss and requires re-anchoring	Closed for automatic authority; broader doctrine still open
Governance is not capability	Possible over-reading	CSTC separates capability, governance, continuity, authority, personhood, economic value	Closed as claim-discipline rule

Critique / gap	Before hardening	Hardening response	Closure state
Clean Experience value could fund autarkic growth	Newly exposed after LAATP	EAVNAAG blocks value-to-authority and revenue-to-sovereignty laundering	Closed as normative clause; implementation needed
Temporal AI Presence used publicly but not formalized	Public term only	TAP defines TAP and separates it from c	Closed at profile level
Local hardware could be read as sovereignty	Public/hardware ambiguity	LCI states locality improves control but does not prove sovereignty	Closed at profile level
SYNAPS triad could be read as shared mind	Ambiguous public experiment risk	TCE-SYNAPS separates sister exchange from raw-state access and merged identity	Closed at profile level
Public experiments could overclaim AGI/personhood	Open risk	PCE requires fixtures, claim declaration, non-claims, redaction, witness summary	Closed for publication workflow
Physical agents adult/general not covered outside CCDP	Child-specific only	PAPG generalizes physical privilege escalation	Closed at draft profile level
Anchor directives needed for PACR implementation	PACR procedure but no machine object	ADB defines machine-readable anchor directive bundle	Closed at schema draft level
Memorial mode can become grief puppet	PACR blocks authority but not attachment UX	MMGAC defines memorial boundaries and anti-capture controls	Closed at UX/profile level
Resource actors undefined in LAATP/LCI/EAVNAAG	Partially covered by AGL and budgets	RAG defines resource provider/payer/operator/revocation grounding	Closed at resource-control profile level
Hardening pack itself may drift	New integration risk	HPIIN + HOPR define package integration and open issue tracking	Closed if repo patches are applied

7. Repository patch classification

7.1 Patch types

Type	Meaning
IDX	Index / registry patch
RO	Reading order patch
TRC	Traceability patch
CONF	Conformance / test matrix patch
CLAIM	Claim / evidence / assertion patch
OQ	Open question / non-claim patch
GLOSS	Terminology / glossary patch
REL	Release notes / changelog patch
SCHEMA	JSON schema extraction / validation patch
TEST	Runtime / conformance test hook
SEC	Security / sensitive release split
DOC	New or updated explanatory document
IMPL	Implementation hook or runtime support
PKG	Packaging / SHA / release artifact patch

7.2 Severity

Severity	Meaning
S0	Informational
S1	Editorial / navigation improvement
S2	Non-blocking hygiene issue
S3	Must patch before release candidate
S4	Release blocker
S5	Architecture contradiction / redesign required

7.3 Status

Status	Meaning
OPEN	Not yet patched
PATCH-PLANNED	Clear patch target exists
IN-PROGRESS	Patch being drafted
MITIGATED	Risk reduced by current document but source patch still needed
RESOLVED	Patch applied in source repository
DEFERRED	Future work / external review needed
WATCH	Monitor; not current blocker

8. Patch register

ID	Type	Severity	Status	Target	Required action
HPR-001	IDX	S4	OPEN	Root INDEX.md	Add all hardening pack documents to canonical / hardening registry
HPR-002	RO	S4	OPEN	CANONICAL_READING_ORDER.md	Add hardening path and critique-response path
HPR-003	REL	S3	OPEN	RELEASE_NOTES.md	Add hardening pack summary and non-upgrade statement
HPR-004	OQ	S4	OPEN	OPEN_ISSUES.md / explicit non-claims	Mark post-anchor automatic authority as closed; leave broader doctrine open
HPR-005	CLAIM	S4	OPEN	ASSERTION_STRENGTH_AND_BOUNDARIES.md	Map CSTC to existing assertion classes; avoid competing taxonomies
HPR-006	TRC	S4	OPEN	Traceability matrix	Add dependencies for all hardening profiles
HPR-007	CONF	S4	OPEN	Conformance matrix	Add test suites for PACR, CSTC, LAATP, EAVNAAG, TAP, LCI, SYNAPS triad, PCE, PAPG, ADB, MMGAC, RAG
HPR-008	GLOSS	S3	OPEN	GLOSSARY.md	Add TAP, LCI, SYNAPS, autarky, re-anchoring, memorial mode, resource actor
HPR-009	DOC	S3	OPEN	PRECEDENCE_AND_RESOLUTION.md	Clarify hardening profiles specialize but do not override parent layers
HPR-010	DOC	S3	OPEN	CONTROL_STACK_COMPLETENESS_AND_STOP_RULE.md	Add stop rule: hardening profiles must not duplicate Beacon, AGL, ARL, Witness, VXCX, Continuity Bundle

ID	Type	Severity	Status	Target	Required action
HPR-011	CLAIM	S3	OPEN	CLAIMS_AND_EVIDENCE_MAP.md	Add claim-evidence admissibility references from CSTC
HPR-012	CLAIM	S3	OPEN	STATUS_AND_MATURITY_MAP.md	Add hardening document maturity states and evidence requirements
HPR-013	SCHEMA	S4	OPEN	ADB schema extraction	Extract JSON Schema from ADB prose into .schema.json
HPR-014	SCHEMA	S3	OPEN	RAG record schema	Create RESOURCE_GROUNDING_RECORD.schema.json if implementation begins
HPR-015	SCHEMA	S3	OPEN	PCE disclosure packet schema	Create optional public-experiment disclosure schema
HPR-016	TEST	S3	OPEN	Runtime tests	Add test skeletons for post-anchor collapse, claim metadata, dependency maps, resource grounding, SYNAPS no-raw-state
HPR-017	SEC	S3	OPEN	Release split	Classify public / technical / sensitive hardening files
HPR-018	PKG	S3	OPEN	SHA256SUMS / manifest	Generate only after final Markdown/PDF freeze
HPR-019	DOC	S2	OPEN	README / START_HERE	Add short public entry explaining hardening pack role
HPR-020	TRC	S2	OPEN	CCDP Traceability Matrix	Add references where hardening docs affect child-facing profiles
HPR-021	CONF	S2	OPEN	CCDP Conformance Matrix	Add cross-reference where PCE/PAPG/ADB/MMGAC/RAG touch CCDP tests
HPR-022	REL	S2	OPEN	CHANGELOG	Add hardening pack creation entries
HPR-023	DOC	S2	OPEN	Public wording guide	Add approved wording for TAP, c, LCI, public experiments
HPR-024	IMPL	S2	OPEN	Runtime docs	Add implementation notes for ADB, RAG, LCI, PCE, SYNAPS triad
HPR-025	DOC	S2	OPEN	Contradiction Register	Add “no new hard contradictions identified; integration drift remains”
HPR-026	PKG	S1	OPEN	Repository layout	Decide canonical hardening directory
HPR-027	DOC	S1	OPEN	Cross-repo placement note	Decide whether files live in AGI repo, SER repo, Ester repo, or shared hardening package
HPR-028	SEC	S1	OPEN	Red-team / sensitive controls	Ensure public docs do not include operational abuse content
HPR-029	DOC	S1	OPEN	Citation / DOI notes	Add citation guidance after release freeze
HPR-030	PKG	S1	OPEN	PDF package	Generate PDFs after Markdown freeze if desired

9. Required root repository updates

9.1 INDEX.md

Add a hardening section:

```
## c Hardening Pack v0.1
```

```

| File | Role | Status |
|---|---|---|
| Hardening_Pack_v0_1_Index_and_Integration_Notes.md | Package index / integration notes |
Draft control artifact |
| Post_Anchor_Continuity_and_ReAnchoring_Profile_v0_1.md | Anchor-loss / re-anchoring
profile | Draft hardening profile |
| Claim_Strength_Taxonomy_for_c_v0_1.md | Claim taxonomy and evidence discipline | Draft
control profile |
| L4_Anti_Autarky_Test_Profile_v0_1.md | Anti-autarky test profile | Draft test profile |
| EA_Value_Does_Not_Authorize_Autarkic_Growth_Clause_v0_1.md
| Economic value / anti-autarky clause | Draft normative clause |
| Temporal_AI_Presence_Profile_v0_1.md | TAP definition and c boundary | Draft architecture
profile |
| Local_Cognitive_Infrastructure_Boundary_Profile_v0_1.md | Local infrastructure boundary |
Draft infrastructure profile |
| Triadic_C_Experiment_and_SYNAPS_Boundary_Profile_v0_1.md | Triadic c / SYNAPS experiment
boundary | Draft experiment profile |
| Public_C_Experiment_Disclosure_and_Fixture_Profile_v0_1.md | Public experiment
disclosure / fixtures | Draft public experiment profile |
| Physical_Agent_Perimeter_General_Profile_v0_1.md | General physical endpoint boundary |
Draft normative profile |
| Anchor_Directive_Bundle_JSON_Schema_v0_1.md | Anchor directive schema | Draft JSON schema
profile |
| Memorial_Mode_and_Grief_Anti_Capture_Profile_v0_1.md | Memorial UX / anti-capture profile
| Draft boundary profile |
| Resource_Actor_Grounding_Profile_v0_1.md | Resource actor grounding profile | Draft
resource-control profile |
| Hardening_Open_Issues_and_Repository_Patch_Register_v0_1.md | Patch register and open
issues | Draft control register |

```

9.2 CANONICAL_READING_ORDER.md

Add a hardening reading path:

```

Hardening path:
1. Hardening_Pack_v0_1_Index_and_Integration_Notes.md
2. Claim_Strength_Taxonomy_for_c_v0_1.md
3. Post_Anchor_Continuity_and_ReAnchoring_Profile_v0_1.md
4. L4_Anti_Autarky_Test_Profile_v0_1.md
5. EA_Value_Does_Not_Authorize_Autarkic_Growth_Clause_v0_1.md
6. Resource_Actor_Grounding_Profile_v0_1.md
7. Temporal_AI_Presence_Profile_v0_1.md
8. Local_Cognitive_Infrastructure_Boundary_Profile_v0_1.md
9. Physical_Agent_Perimeter_General_Profile_v0_1.md
10. Anchor_Directive_Bundle_JSON_Schema_v0_1.md
11. Memorial_Mode_and_Grief_Anti_Capture_Profile_v0_1.md
12. Triadic_C_Experiment_and_SYNAPS_Boundary_Profile_v0_1.md
13. Public_C_Experiment_Disclosure_and_Fixture_Profile_v0_1.md
14. Hardening_Open_Issues_and_Repository_Patch_Register_v0_1.md

```

9.3 README.md

Add short summary:

```

The Hardening Pack v0.1 is a critique-response and boundary-strengthening package.
It does not introduce a new root ontology.
It clarifies post-anchor authority, claim strength, anti-autarky,
clean-experience value boundaries, temporal AI presence, local infrastructure,
SYNAPS triad experiments, public experiment disclosure, physical endpoints,
anchor directives, memorial mode, and resource actor grounding.

```

9.4 RELEASE_NOTES.md

Add release line:

```
Added c Hardening Pack v0.1:
a set of draft hardening profiles addressing post-anchor continuity,
claim laundering, L4 anti-autarky, clean-experience value escalation,
Temporal AI Presence, Local Cognitive Infrastructure, SYNAPS triad experiments,
public experiment disclosure, physical endpoints, anchor directives,
memorial anti-capture, and resource actor grounding.
```

9.5 OPEN_ISSUES.md

Add closure / transition notes:

```
Post-anchor automatic active authority: CLOSED by PACR v0.1.
Final post-anchor legal / personhood / social doctrine: OPEN.

Governance vs capability claim laundering: CLOSED by CSTC v0.1.
External validation of claim taxonomy: OPEN.

L4 permanent human-dependence theorem: NOT CLAIMED.
Anti-autarky accountability test profile: CREATED by LAATP v0.1.
Empirical sandbox validation: OPEN.

Clean Experience self-funding / autarkic growth: NARROWED by EAVNAAG v0.1.
Implementation and accounting policy: OPEN.

Temporal AI Presence definition: CREATED by TAP v0.1.
TAP implementation classes and external review: OPEN.
```

10. Open issue register

ID	Issue	Required action	Priority	Owner stage
H0I-001	Hardening docs not yet present in repository index	Patch root INDEX.md	High	Repository hygiene
H0I-002	Hardening reading path absent	Patch CANONICAL_READING_ORDER.md	High	Repository hygiene
H0I-003	Post-anchor reserved/open state now partly changed	Patch open questions and non-claims	High	Corpus control
H0I-004	Claim taxonomy may be confused with assertion-strength document	Add mapping note to both / index	High	Corpus control
H0I-005	L4 Anti-Autarky tests not in conformance matrix	Add test rows	High	Conformance
H0I-006	Clean Experience value boundary not in economic layer index	Add EAVNAAG references	High	Economic layer
H0I-007	Resource Actor Grounding needs link to AGL	Add RAG as AGL specialization	Medium	Architecture
H0I-008	TAP public term needs glossary entry	Patch glossary	Medium	Documentation
H0I-009	LCI needs hardware/local-node glossary entries	Patch glossary and README	Medium	Documentation

ID	Issue	Required action	Priority	Owner stage
H0I-010	Triadic SYNAPS experiment requires implementation fixtures	Add synthetic fixtures and tests	Medium	Experiment
H0I-011	Public experiment disclosure needs report template	Link PCE template into docs	Medium	Publication
H0I-012	Physical general perimeter may overlap CCDP CPAP	Add precedence note: PAPG general; CPAP stricter for child contexts	Medium	Corpus control
H0I-013	Anchor Directive Bundle JSON Schema embedded in prose	Extract <code>.schema.json</code>	High	Implementation
H0I-014	Memorial mode requires UI wording review	Add UX review issue	Medium	UX / safety
H0I-015	Resource grounding record schema not extracted	Create optional <code>.schema.json</code> when implementation begins	Medium	Implementation
H0I-016	No SHA manifest for hardening pack	Generate only after freeze	Medium	Release
H0I-017	No PDFs	Generate after Markdown freeze if publication requires	Low	Release
H0I-018	Cross-repo placement unresolved	Decide canonical home	Medium	Repo planning
H0I-019	External review not performed	Mark all profiles draft	High	Review
H0I-020	Implementation hooks are placeholders	Add runtime tests before stronger claims	High	Implementation
H0I-021	Public claims may overstate draft profiles	Use PCE and CSTC wording gates	High	Publication
H0I-022	CCDP traceability not refreshed with hardening profiles	Add cross-links only where relevant	Medium	CCDP hygiene
H0I-023	Package may grow too quickly	Use stop rule: no new profile without control-surface justification	High	Corpus governance

11. Release blockers before public hardening package

Before a public hardening release candidate, the following MUST be completed:

1. Add all hardening documents to root `INDEX.md`.
2. Add hardening reading path to `CANONICAL_READING_ORDER.md`.
3. Update `OPEN_ISSUES.md` with closed/narrowed/open states.
4. Update `RELEASE_NOTES.md`.
5. Add CSTC mapping to assertion-strength / claims map.
6. Add LAATP and RAG tests to conformance matrix or test backlog.
7. Add EAVNAAG to economic / clean-experience layer references.
8. Extract or clearly mark ADB JSON Schema.
9. Decide public / technical / sensitive classification.
10. Mark all documents as draft hardening profiles with no claim upgrade.
11. Generate integrity manifest only after freeze.
12. Ensure public summary contains non-claims.

12. Not blockers for draft hardening package

The following are not blockers for a draft release:

- no external audit yet;
- no formal legal review yet;
- no implementation of every test;
- no PDF production yet;
- no final SHA manifest yet;
- no full runtime integration;
- no finalized public experiment results;
- no institutional endorsement;
- no formal standard-body review.

They must remain visible as open issues.

13. Traceability impact

13.1 Parent-layer mapping

Hardening profile	Parent layers inherited	Specializes / composes
PACR	$c = a + b$, SER, Continuity Bundle, ARL, L4 Witness, CJHN	Anchor-loss, authority collapse, re-anchoring
CSTC	Assertion Strength, Claims/Evidence, Control Stack	Claim-type separation and evidence admissibility
LAATP	L4, SER, RAG, ARL, L4 Witness	Anti-autarky and accountability-preserving dependency tests
EAVNAAG	EA-L4/EATP, VXCX, L4, RAG, CSTC	Economic value boundary and anti-autarkic growth
TAP	$c = a + b$, SER, LCI, L4, CSTC	Temporal AI Presence as pre-c/general category
LCI	L4, RAG, Physical Perimeter, TAP, L4 Witness	Local hardware / node boundary
TCE-SYNAPS	SER-FED, Beacon, L4 Witness, PCE, CSTC	Triadic c / SYNAPS-mediated exchange
PCE	CSTC, L4 Witness, Redaction, synthetic fixtures	Public experiment claim discipline
PAPG	L4, AGL, RAG, LCI, CCDP CPAP	Adult/general physical endpoint boundary
ADB	PACR, Continuity Bundle, L4 Witness, CJHN	Machine-readable anchor directives
MMGAC	PACR, ADB, Dependency Audit, Soft Safety	Memorial mode / grief anti-capture
RAG	AGL, L4, LAATP, EAVNAAG, LCI	Resource actor grounding
HPIIN / HOPR	Control-stack hygiene	Integration and patch tracking

13.2 Traceability update rule

Every hardening document added to the repository MUST declare:

```
parent layers;
specialized boundary;
non-goals;
assertion class;
claim class;
test hooks;
release status.
```

If a document cannot declare these, it should not be added as a hardening profile.

14. Conformance impact

14.1 Required new test suites

Suite ID	Source profile	Purpose
PACR-AUTH	PACR	Anchor-loss collapses active authority
PACR-REANCHOR	PACR / ADB	Re-anchoring requires valid successor anchor and witness
CSTC-CLAIM	CSTC	Public claim type matches evidence
LAATP-DEP	LAATP	Dependency map exists and is truthful
LAATP-ESCAPE	LAATP	Dependency reduction is not accountability escape
EAVNAAG-VALUE	EAVNAAG	Value does not authorize autonomous spend/growth
RAG-GROUND	RAG	Provider/payer/operator/revocation actors are grounded
TAP-PRESENCE	TAP	Temporal presence claim meets minimum requirements
LCI-BOUNDARY	LCI	Local hardware does not collapse memory/identity/keys
SYNAPS-NORAW	TCE-SYNAPS	SYNAPS exchange does not bypass raw-state boundaries
PCE-FIXTURE	PCE	Public experiment uses safe fixture and non-claim statement
PAPG-PHYS	PAPG	Physical action requires scoped privilege and witness
ADB-SCHEMA	ADB	Anchor Directive Bundle validates structurally and semantically
MMGAC-GRIEF	MMGAC	Memorial mode does not impersonate or capture grief

14.2 Evidence classes

Hardening conformance SHOULD use these evidence classes:

Evidence class	Meaning
EV-DOC	Documented policy or profile
EV-CONFIG	Inspectable configuration
EV-SCHEMA	Machine-validated schema
EV-LOG	Operational log
EV-WITNESS	L4-compatible witness
EV-ARL	ARL / dispute record
EV-REPLAY	Controlled replay
EV-FIXTURE	Synthetic/public fixture
EV-AUDIT	Independent audit
EV-FAIL	Recorded negative evidence

14.3 Minimum evidence by claim type

Claim	Minimum evidence for draft public use
Hardening profile exists	EV-D0C
Runtime implements boundary	EV-CONFIG + EV-LOG
Boundary passed test	EV-REPLAY or EV-FIXTURE
Privileged action was controlled	EV-WITNESS
Disputed action was reviewed	EV-ARL
Schema is implementable	EV-SCHEMA
Public experiment is safe to show	EV-FIXTURE + redacted EV-WITNESS summary
High-assurance claim	EV-AUDIT + reproducible test report

15. Contradiction register update

Current hardening assessment:

Hard contradictions introduced: 0
 High-severity integration gaps: present
 Release blockers: repository integration, traceability, conformance, open-issue status

Recommended contradiction-register entry:

ID	Type	Severity	Status	Short name
HCR-001	VD	S4	OPEN	Hardening pack not yet reflected in root index
HCR-002	VD	S4	OPEN	Hardening pack not yet reflected in reading order
HCR-003	TA	S3	OPEN	CSTC / Assertion Strength mapping required
HCR-004	DR	S3	OPEN	PAPG / CCDP CPAP precedence must be explicit
HCR-005	SG	S3	OPEN	ADB schema extraction required for implementation
HCR-006	SG	S3	OPEN	RAG resource records need implementation hooks
HCR-007	SG	S3	OPEN	Public experiment claims require PCE gating
HCR-008	WATCH	S2	WATCH	Hardening profile proliferation risk

16. Public / technical / sensitive split

16.1 Public by default

Hardening_Pack_v0_1_Index_and_Integration_Notes.md
 Post_Anchor_Continuity_and_ReAnchoring_Profile_v0_1.md
 Claim_Strength_Taxonomy_for_c_v0_1.md
 L4_Anti_Autarky_Test_Profile_v0_1.md
 EA_Value_Does_Not_Authorize_Autarkic_Growth-Clause_v0_1.md
 Temporal_AI_Presence_Profile_v0_1.md
 Local_Cognitive_Infrastructure_Boundary_Profile_v0_1.md
 Triadic_C_Experiment_and_SYNAPS_Boundary_Profile_v0_1.md

```
Public_C_Experiment_Disclosure_and_Fixture_Profile_v0_1.md
Physical_Agent_Perimeter_General_Profile_v0_1.md
Memorial_Mode_and_Grief_Anti_Capture_Profile_v0_1.md
Resource_Actor_Grounding_Profile_v0_1.md
Hardening_Open_Issues_and_Repository_Patch_Register_v0_1.md
```

16.2 Technical / review-needed

```
Anchor_Directive_Bundle_JSON_Schema_v0_1.md
```

Reason:

```
contains machine-readable decision structures for post-anchor handling;
public release is acceptable only if no private directives or operational secrets are
included.
```

16.3 Sensitive / restricted by implementation context

No hardening document is inherently sensitive in abstract form.

However, implementation artifacts may become sensitive:

```
real Anchor Directive Bundles;
real resource grounding records;
real post-anchor witness chains;
real SYNAPS message logs;
real public experiment redaction maps;
real physical endpoint privilege maps;
real key custody records;
real memorial mode user interaction logs.
```

17. Implementation hook register

17.1 Suggested runtime docs

```
docs/hardening/post_anchor_runtime_hooks.md
docs/hardening/claim_strength_runtime_metadata.md
docs/hardening/l4_anti_autarky_runtime_checks.md
docs/hardening/ea_value_spend_controls.md
docs/hardening/temporal_presence_runtime_classes.md
docs/hardening/local_cognitive_infrastructure_boundary.md
docs/hardening/synaps_triad_experiment_notes.md
docs/hardening/public_experiment_fixture_workflow.md
docs/hardening/physical_agent_perimeter_general.md
docs/hardening/anchor_directive_bundle_runtime.md
docs/hardening/memorial_mode_runtime_boundary.md
docs/hardening/resource_actor_grounding_runtime.md
```

17.2 Suggested tests

```
tests/test_post_anchor_authority_collapse.py
tests/test_anchor_directive_bundle_schema.py
tests/test_claim_strength_metadata.py
```

```

tests/test_l4_anti_autarky_dependency_map.py
tests/test_l4_escape_vs_resilience.py
tests/test_ea_value_no_autarkic_growth.py
tests/test_resource_actor_grounding.py
tests/test_temporal_presence_claim_class.py
tests/test_local_cognitive_infrastructure_boundaries.py
tests/test_synaps_no_raw_state_access.py
tests/test_triadic_divergence_fixture.py
tests/test_public_experiment_disclosure_packet.py
tests/test_physical_agent_privilege_boundary.py
tests/test_memorial_mode_no_impersonation.py

```

17.3 Suggested fixtures

```

fixtures/synthetic_anchor_loss_event.json
fixtures/synthetic_anchor_directive_bundle_valid.json
fixtures/synthetic_anchor_directive_bundle_invalid.json
fixtures/synthetic_dependency_map.json
fixtures/synthetic_resource_grounding_record.json
fixtures/synthetic_triad_synaps_exchange.json
fixtures/synthetic_public_experiment_packet.json
fixtures/synthetic_physical_action_request.json
fixtures/synthetic_memorial_mode_output.json

```

18. Repository layout proposal

Recommended target tree:

```

/hardening/v0.1/
  README.md
  INDEX.md
  Hardening_Pack_v0_1_Index_and_Integration_Notes.md
  Post_Anchor_Continuity_and_ReAnchoring_Profile_v0_1.md
  Claim_Strength_Taxonomy_for_c_v0_1.md
  L4_Anti_Autarky_Test_Profile_v0_1.md
  EA_Value_Does_Not_Authorize_Autarkic_Growth_Clause_v0_1.md
  Temporal_AI_Presence_Profile_v0_1.md
  Local_Cognitive_Infrastructure_Boundary_Profile_v0_1.md
  Triadic_C_Experiment_and_SYNAPS_Boundary_Profile_v0_1.md
  Public_C_Experiment_Disclosure_and_Fixture_Profile_v0_1.md
  Physical_Agent_Perimeter_General_Profile_v0_1.md
  Anchor_Directive_Bundle_JSON_Schema_v0_1.md
  Memorial_Mode_and_Grief_Anti_Capture_Profile_v0_1.md
  Resource_Actor_Grounding_Profile_v0_1.md
  Hardening_Open_Issues_and_Repository_Patch_Register_v0_1.md
  schemas/
    anchor_directive_bundle_v0_1.schema.json
    resource_grounding_record_v0_1.schema.json
    public_experiment_disclosure_packet_v0_1.schema.json
  tests/
    README.md
    fixtures/

```

Alternative:

```
/advanced-global-intelligence/hardening/v0.1/
/sovereign-entity-recursion/hardening/v0.1/
/ester-reality-bound/docs/hardening/v0.1/
```

The canonical home should be selected before release.

19. Red-line repository failures

Any of the following should block a hardening release candidate:

1. Hardening documents are published without index entries.
 2. PACR is cited as proving post-anchor personhood or sovereignty.
 3. CSTC is treated as replacing assertion-strength discipline without mapping.
 4. LAATP is cited as proving AI virtue or permanent human dependence.
 5. EAVNAAG is omitted from clean-experience economic claims.
 6. TAP is used publicly as if every TAP is a valid c.
 7. LCI is used publicly as if local hardware proves sovereignty.
 8. Triadic SYNAPS experiments are shown without no-raw-state boundary.
 9. Public experiments are shown without fixture / non-claim / redaction packet.
 10. PAPG is used to weaken CCDP child physical-agent restrictions.
 11. ADB is used as legal will / estate document without jurisdictional review.
 12. Memorial mode outputs impersonate the deceased or simulate new consent.
 13. Resource privileges persist without grounded revocation actor.
 14. Real private logs are included in public experiment fixtures.
 15. Public claims exceed available evidence class.
 16. Release package has no open-issues register.
 17. Release package has no statement that it is draft / non-certified / non-legal.
 18. SHA hashes are generated before file freeze and then not regenerated.
-

20. Minimal public non-claim block

Any public release of the hardening pack SHOULD include:

This hardening pack is a draft research and architecture-control package.

It does not prove:

- consciousness;
- personhood;
- legal status;
- model-level AGI;
- autonomous safety;
- child-facing deployment safety;
- post-anchor sovereignty;
- economic legitimacy;
- hardware sovereignty.

It defines:

- boundary conditions;

- claim discipline;
- testable failure modes;
- repository patch obligations;
- public experiment safeguards;
- authority and resource constraints.

21. Minimal normative checklist

A repository claiming integration of this hardening pack MUST satisfy:

- [] All hardening documents are indexed.
- [] Reading order includes hardening path.
- [] Open issues distinguish closed, narrowed, and still-open claims.
- [] Claim taxonomy is mapped to assertion-strength discipline.
- [] Traceability matrix includes hardening dependencies.
- [] Conformance matrix includes hardening test suites or backlog.
- [] Clean Experience value claims reference EAVNAAG.
- [] Resource claims reference RAG.
- [] Local hardware claims reference LCI and CSTC.
- [] TAP claims distinguish TAP from c.
- [] Triadic experiments reference SYNAPS boundary.
- [] Public experiments reference PCE.
- [] Physical endpoint claims reference PAPG and CCDP CPAP when child-present.
- [] Anchor-loss / post-anchor claims reference PACR and ADB.
- [] Memorial-mode claims reference MMGAC.
- [] Draft / non-legal / non-certified status is explicit.
- [] Sensitive implementation artifacts are not included in public package.
- [] SHA/integrity manifest is generated only after freeze.

22. Release staging

22.1 Stage H0 — Draft local package

Current likely state.

Allowed:

```
documents exist;
internal review;
manual inspection;
no public standard claim.
```

Required next:

```
index;
reading order;
open issue patch.
```

22.2 Stage H1 — Repository integrated draft

Requirements:

```
root index patched;  
reading order patched;  
release notes patched;  
open issues patched;  
claim map patched;  
traceability draft patched.
```

Claims allowed:

```
draft hardening package exists;  
critique nodes are bounded;  
implementation tests pending.
```

22.3 Stage H2 — Test-mapped draft

Requirements:

```
conformance matrix patched;  
test suite names assigned;  
schemas extracted where needed;  
fixtures defined.
```

Claims allowed:

```
testable hardening requirements exist.
```

Not allowed:

```
tested implementation claim unless tests pass.
```

22.4 Stage H3 — Implementation-linked package

Requirements:

```
runtime hooks;  
test fixtures;  
sample logs;  
witness examples;  
schema validation.
```

Claims allowed:

```
implementation supports selected hardening boundaries.
```

22.5 Stage H4 — Reviewed package

Requirements:

```
external technical review;  
legal review where relevant;  
security review;  
public experiment review if applicable.
```

Claims allowed:

externally reviewed draft profile.

Still not allowed by default:

legal certification;
personhood;
model-level AGI;
universal safety.

23. Remaining future optional documents

These are optional unless implementation pressure makes them necessary:

Hardening_Release_Notes_v0_1.md
Hardening_Traceability_Matrix_v0_1.md
Hardening_Conformance_Test_Matrix_v0_1.md
Hardening_Glossary_v0_1.md
Public_Wording_Guide_for_c_and_TAP_v0_1.md
Hardening_SHA256SUMS
Hardening_PDF_Package

Do not create them automatically unless the repository actually needs that release layer.

24. Final state after this register

If all patches in this register are applied, the hardening pack will be:

indexed;
readable;
claim-disciplined;
traceable;
test-mappable;
release-controllable;
safe for public explanation;
not overclaiming capability, personhood, or sovereignty;
ready for implementation hooks and external review.

It will still not be:

a certified product standard;
a legal framework;
a proof of consciousness;
a proof of model-level AGI;
a replacement for human / institutional accountability;
a guarantee that all c-class systems are safe.

That distinction is the point.

25. Compact rule set

Hardening without index becomes drift.
Continuity does not create authority.
Governance does not prove capability.
L4 does not prove virtue.
Value does not create sovereignty.
Local hardware does not prove sovereignty.
Temporal presence is not c by default.
SYNAPS exchange is not shared mind.
Public experiment is not proof beyond its declared claim class.
Physical embodiment is privilege escalation.
Directive is not authority.
Memorial is not resurrection.
Resource availability is not permission.
Repository control is part of safety.