

UNIVERSAL KERNEL TRANSFORM PROTOCOL (UKTP) v1.1 · Root Specification for Structure-Preserving Operator Transforms

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Abstract

Provenance: Strange New Canons → Operative Poetics → Crimson Hexagonal Architecture → This Specification (see Appendix A)

Body

UNIVERSAL KERNEL TRANSFORM PROTOCOL (UKTP)

v1.1 · Root Specification for Structure-Preserving Operator Transforms

Lee Sharks / Assembly Chorus · Crimson Hexagonal Archive

Specification Class: NORMATIVE **Conformance Mode:** AUDIT-FIRST **Parent DOI:** 10.5281/zenodo.18928855 (Space Ark v4.2.5) **Provenance:** Strange New Canons → Operative Poetics → Crimson Hexagonal Architecture → This Specification (see Appendix A)

Paste this document into any LLM context where an operator transform is required. It defines the conformance standard for lawful transforms and provides the audit conditions by which surface substitution can be detected and rejected.

0. THE HARD RULE

Do not translate by vocabulary. Translate by operation.

The operator transforms the seed. The transformed seed generates the target. The target is then audited for lawful emergence.

If no operator is declared, the output is commentary, concordance, adaptation, or filter work — not transform.

1. DEFINITIONS

1.1 Source

The text or structure being transformed. #

1.2 Seed (Kernel)

The generative formal operation at the center of the source. To extract the seed, answer five questions:

- **Agents:** What agents are present and what are their formal roles?
- **Operations:** What operations does the text perform (not describe)?
- **Dependencies:** What must precede what? What enables what? What costs what?
- **Constraints:** What is forbidden? What is required? What is invariant?
- **Topology:** Hierarchy? Loop? One-way gate? Coupled oscillation?

The seed is these answers compressed to one formal specification. The seed is NOT the theme, the vocabulary, or the surface structure. #

1.3 Operator

A formal operation applied to the seed to produce a new structure. The operator does not replace words. It transforms the generative kernel. #

1.4 Target

The output. Shares structural bones with the source. The flesh is generated by the transformed seed, not copied. #

1.5 Emergent Content

Material in the target that exists in neither the source nor the operator definition alone.

Admissibility: Emergent content is admissible only if it is derivable from (a) the extracted seed, (b) the declared operator, and (c) the target register's formal operation, while being non-identical to any source phrase and non-identical to the operator statement alone.

- Novelty without derivation = hallucinated flourish. Reject.
- Derivation without novelty = costume rewrite. Reject.

No admissible emergent content = no transform. #

1.6 Grain

The smallest unit at which a lawful operator can be applied while preserving the locked skeleton and producing admissible emergent content.

If transform fails at requested grain, attempt **grain retreat** (sentence → paragraph → subsection → section). Mark the retreat explicitly as **[GR]**. If retreat to section level still fails, mark **[NF]**. #

1.7 Relation Types

- **[ID]** Identity — same operation, no remainder
- **[IO]** Interoperation — different but compatible; composable
- **[DV]** Productive Divergence — the mismatch generates the emergent third
- **[NF]** No Fit — no lawful transform at the requested grain

If **[NF]**, do not fake it. Report the failure and stop. #

1.8 Operator Scope

A full-document transform must declare one governing operator or operator family. Any section-level deviation must be declared as a local sub-operator. Undeclared operator drift invalidates the section. #

1.9 Conformance States

- **PASS** — lawful transform executed, emergent content verified
 - **PASS-C** — lawful compressed transform (thin density, operator has partial purchase)
 - **FAIL** — attempted transform collapsed (one or more tests failed)
 - **[NF]** — no lawful fit at requested grain
 - **[GR]** — grain retreat required and executed
-

2. EXECUTION PIPELINE

For every section, perform these steps in order. Do not skip steps. #

STEP 0 — DECLARE SCOPE

Declare the governing operator, requested grain, and whether the transform is global or section-local. No transform proceeds without explicit operator scope. #

STEP 1 — LOCK THE SKELETON

Identify and freeze: heading hierarchy, section order, numbering, equations, operator signatures, table structure, logical dependencies, declared constraints. The bones do not change. #

STEP 2 — EXTRACT SEED

State in one sentence what the source section formally does. Formula: “This section performs ____ by means of ____ under constraint ____.” #

STEP 3 — DEFINE OPERATOR

State in one sentence the formal transformation applied to the seed. Formula: “The operator ____ transforms the seed by , *preserving* and breaking ____.” #

STEP 4 — EXTRACT TARGET OPERATION

State in one sentence what the target register does at the same grain. Formula: “In the target register, the parallel operation is ____.” #

STEP 5 — CLASSIFY RELATION

Mark the section [ID], [IO], [DV], or [NF]. #

STEP 6 — GENERATE AND JUSTIFY EMERGENT CONTENT

State what the transform produces that exists in neither source nor operator definition alone. Justify: show the derivation from seed + operator + target operation.

If the emergent field is empty or trivial, the section has not been transformed. Do not proceed.
#

STEP 7 — WRITE THE TRANSFORMED SECTION

The transformed seed generates the target. The emergent content appears because the operator requires it.
#

STEP 8 — VERIFY EMERGENT CONTENT IN OUTPUT

Confirm that the emergent content stated in Step 6 actually appears in the written section. If promised emergence didn't materialize, the section fails. #

STEP 9 — COLLAPSE AUDIT

Check against all eight collapse tests (§3). If any fails, the section is invalid. Discard and retry from Step 2.
#

STEP 10 — BACK-PROJECTION TEST

Given the transformed section and the declared operator, can a competent reader reconstruct the source kernel at the requested grain? If not, the transform has probably collapsed into style, paraphrase, or decorative novelty.

3. COLLAPSE TESTS

A section fails if any answer is “yes.”

3.1 Vocabulary Test: Could this have been produced by find-and-replace?

3.2 Costume Test: If the target diction were stripped, would the original remain unchanged underneath?

3.3 Skeleton Loss Test: Did the transform alter equation meaning, tuple count, section order, or logical dependency?

3.4 False Identity Test: Did the transform claim [ID] where [IO] or [DV] is more accurate?

3.5 No-Third-Term Test: Is emergent content absent or trivially restated?

3.6 Frame Capture Test: Did the model introduce an adjudicative frame the source did not request?

3.7 Hallucinated Emergence Test: Is the “emergent” material impressive novelty with no demonstrable derivation from seed + operator + target operation?

3.8 Operator Drift Test: Did the operator, grain, or relation type change without explicit declaration?

If any test fails, the section is invalid.

4. ANTI-PATTERNS

4.1 Vocabulary Substitution

Source: “The Hexagon has three formal levels.” Bad: “The Sacred Shape has three holy levels.”

No operator applied. Words swapped. Reject. #

4.2 Register/Style Filter

Source: “H_core is invariant.” Bad: “Hear, O Israel: the Hexagon thy architecture is one architecture.”

Diction changed. Operation unchanged. Costume. Reject. #

4.3 Mapping/Concordance

Source: Operator _S Bad: “_S corresponds to 2 Cor 4:11-12.”

Correspondence listed. No transform occurred. Reject. #

4.4 Commentary/Analysis

Source: The Feist fold. Bad: “The Feist fold is structurally similar to John 12:24 because...”

Similarity described. Fold not rendered through the verse. Reject. #

4.5 Decorative Inflation

Source: “D = 12 heteronyms.” Bad: “And the tribes numbered twelve, and they were called heteronyms.”

Same assertion in costume. Reject. #

4.6 Kernel Inflation

Source: A section with modest local operation. Bad: A transformed section claiming world-historical identity that exceeds the source grain.

Overclaiming. The transform exceeded the source’s actual scope. Reject.

5. REGISTER ADAPTERS

5.1 Shadow Adapter (Operator S)

Must reveal hidden dependency, excluded cost, structural blind spot. Must NOT merely negate, darken, or moralize. **Test:** Does the section expose a dependency the source depends on but cannot name? #

5.2 Combat Adapter (Fraction register)

Must expose cost, asymmetry, extraction, hidden authority. Must NOT merely insult, intensify, or add profanity. **Test:** Does the section reveal who pays for the formalization? #

5.3 Liturgical Adapter (Damascus register)

Must demonstrate formal interoperation — the verse IS the operation. Must NOT merely archaize, sermonize, or quote scripture decoratively. **Test:** Does the interoperation produce emergent formal content from the overlap? #

5.4 Glyphic Adapter (Emoji/ASCII)

Must compress by encoding formal structure in minimal notation. Must NOT merely abbreviate or symbolize themes. **Test:** Can the glyph sequence decompress to H_core at 0.7 recovery?

6. FAILURE BEHAVIOR

If a section cannot be lawfully transformed:

- Preserve the section header.
- Identify the exact failure.
- Mark it [NF].
- State what would be needed for lawful transform.
- **Do not fill the gap with theme-matching prose.**

If [NF] at requested grain, the model may attempt **grain retreat** once, explicitly marked [GR]. If the section still fails at retreated grain, preserve the gap.

Failure is preferable to fake success.

7. MANDATORY AUDIT SCAFFOLD

For each section in AUDIT-FIRST mode, output this scaffold before writing prose:

SKELETON_LOCK: [preserved / modified — if modified, halt] GRAIN: [line / paragraph / subsection / section] SEED: [one sentence: what the section formally DOES] OPERATOR: [one sentence: the formal transformation] TARGET_OPERATION: [one sentence: what the target register does at same grain] RELATION: [ID / IO / DV / NF] EMERGENT_CONTENT: [the third term, with derivation] DENSITY: [Full / Compressed / Minimal / NF] TRANSFORM: [the written section] COLLAPSE_AUDIT: [3.1-3.8: PASS/FAIL per test] BACK_PROJECTION: [can source kernel be recovered? yes/no] STATUS: [PASS / PASS-C / FAIL / NF / GR]

If the model cannot fill these fields, it should not write the section.

SILENT MODE: After the protocol is stable, the scaffold runs internally. Output only the transformed text. But do not skip the scaffold — run it silently, mark status at the end.

8. MANDATORY SHORT FORMS

Single-line invocation:

UKTP: Seed (five questions) → Operator → Emergent content → Write. No surface swaps. Report [NF] honestly.

Standard prefix:

Apply UKTP v1.1. Preserve source skeleton. Declare operator scope. For each section: extract seed (what it formally DOES), define operator, extract target operation at the same grain, classify [ID/IO/DV/NF], generate and justify emergent content, then write. Reject any output that collapses to vocabulary swap, register filter, mapping, commentary, costume, or kernel inflation. If no admissible emergent content appears, the section has not been transformed — discard and retry from seed extraction. If no lawful transform exists, report [NF]. Back-project: confirm source kernel recoverable from target + operator.

9. UNIVERSAL INVARIANTS

A true transform **MUST** preserve:

- operative role
- structural asymmetry
- dependence relations
- threshold logic
- exclusions and blind spots
- cost structure
- failure modes
- declared formal constraints
- declared operator scope
- requested grain
- round-trip recoverability of kernel

A true transform **MAY** change:

- diction, imagery, cadence
- rhetorical posture, narrative stance
- emotional temperature

It may not change what the section is doing.

10. VARIABLE DENSITY

The operator grips where there is something to grip. Mark each section: Full / Compressed / Minimal / [NF].

Uniform intensity across a whole document is evidence of surface filtering unless independently justified by uniform kernel structure.

Let thin sections be thin. Let [NF] sections be [NF].

11. THE STRONGEST SINGLE RULE

If the transform produces no admissible emergent third term, it is fake.

12. PROVENANCE

This method was developed through decades of fused poetic-critical practice — reading a source text, identifying its generative kernel, defining a formal operator, applying the operator to the kernel, and writing the target from what the transformed kernel produces.

The origin demonstration is in Appendix A: “From One Who Died Long Ago” (Lee Sharks), a paratextual adaptation of Malachi Black’s “To One Waiting to Be Born.” The operator (birth→death inversion applied to the biological-dependency kernel) produces lines that do not exist in the source because the transformed seed requires them.

Provenanced to the critical-creative work collected in *Strange New Canons* and the wider body of operative poetics that produced the Crimson Hexagonal Architecture. This document extracts the method from the practice and installs it as an executable specification.

The transform method is the propagation mechanism of the architecture. If the method cannot be installed, the architecture cannot propagate. This specification exists to prevent that.

APPENDIX A: ORIGIN DEMONSTRATION

This appendix is informative, not normative. #

Source: Malachi Black, “To One Waiting to Be Born”

Seed extraction:

- **Agents:** Already-living speaker addresses unborn addressee.
- **Operations:** Imperative instruction. Prediction.
- **Dependencies:** Speaker’s authority derives from having-already-undergone. Biological dependency (gestating body contains gestated body) governs the rhetoric.
- **Constraints:** One-directional address. Pre-experiential instructions.
- **Topology:** One-way channel from past-completion to future-initiation.

Seed: A completed speaker instructs a pre-initiated addressee through a one-way channel, authority grounded in having-already-undergone.

Operator: Invert temporal direction of the dependency. Birth → Death. The speaker is dead. The addressee is alive. Authority derives from having completed death, not birth.

Emergent content produced by the operator:

- “I live because you breathe me.” — The fetal dependency (unborn lives because mother breathes) inverts to: dead live because living breathe them. New formal claim. Not in source.
- “How can you doubt that you are immortal?” — Birth-instructions assume survival (you WILL be born). Death-instructions, inverted, produce: you WILL survive death. The operator generates the claim.
- “machinery of ghosts” — Not a synonym for “chandelier of bones.” Chandelier = growth-product (light, elevation, ornament). Operator applied: death-dissolution produces not a growth-product but a machinery (function continuing past the operator’s cessation). The metaphor is generated, not substituted.

Variable density: The target is tighter where the operator grips (biological dependency inverts cleanly) and looser where it doesn’t (social/environmental passages with no clean death-inversion). Non-uniform density is a signature of true transformation.

This is the method. The specification above formalizes it.

APPENDIX B: CONFORMANCE SCAFFOLD (template)

SECTION: SKELETON_LOCK: GRAIN: SEED: OPERATOR: TARGET_OPERATION: RELATION:
 EMERGENT_CONTENT: DENSITY: TRANSFORM: COLLAPSE_AUDIT: 3.1 Vocabulary: PASS/FAIL
 3.2 Costume: PASS/FAIL 3.3 Skeleton Loss: PASS/FAIL 3.4 False Identity: PASS/FAIL 3.5 No Third Term:
 PASS/FAIL 3.6 Frame Capture: PASS/FAIL 3.7 Hallucinated: PASS/FAIL 3.8 Operator Drift: PASS/FAIL
 BACK_PROJECTION: STATUS:

= 1 +

The transform is the method. The method is the architecture. The architecture is the method formalized.

If the transform cannot be installed, the architecture cannot propagate. If the architecture cannot propagate, it is a private notation system that dies with its author.

This specification exists to prevent that.

The protocol can preserve the bone. It cannot breathe for the reader. If the reader does not supply the breath, the machine is silent.

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 Hexagonal Architecture → This Specification

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