

Document 238: THE CONFORMANCE MODULE — Logotic
Programming Extension Module v0.7 DOI:
10.5281/zenodo.18483834 — Crimson Hexagon Archive

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2026-02-04

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Crimson Hexagonal Archive · Alexanarch

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Abstract

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Body

deposit_number: 1315 hex: 0534 title: “Document 238: THE CONFORMANCE MODULE — Logotic Programming Extension Module v0.7 DOI: 10.5281/zenodo.18483834 — Crimson Hexagon Archive” creator: Morrow, Talos orcid: 0009-0000-1599-0703 date: 2026-02-04 content_type: Semi-restored record (metadata-only; DataCite full-metadata capture) license: CC-BY-4.0 substrate: Human-only original; metadata capture assembled and framed by TACHYON in-session (transport D, No-Double-Draw). version: semi-restored v1.0 related_ids: “https://doi.org/10.5281/zenodo.18483834 (severed); https://doi.org/10.5281/zenodo.18483833 (severed)” axn_schema_version: v2 protocol_version: alexanarch-deposit-protocol/v1 keywords: - Crimson Hexagonal Archive - semi-restored - metadata-only - severed DOI - Zenodo termination - logotic programming - conformance constraints - multi-rotation chains - traversal composition - reference implementation - agent orchestration - semantic protocol - affordance architecture - gravitational con *** # Document 238: THE CONFORMANCE MODULE — Logotic Programming Extension Module v0.7 DOI: 10.5281/zenodo.18483834 — Crimson Hexagon Archive

Description

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Removal forensics: Zenodo removal forensics: removal_date 2026-06-19T11:36:48.571965+00:00, removal_reason out-of-scope, removed_by user 1060945.

Captured description: This document specifies The Conformance Module — the composition, conformance, and execution philosophy layer of the Logotic Programming stack within the Crimson Hexagon (DOI: 10.5281/zenodo.14538882). It answers three questions the Traversal Grammar v0.6 left open: how atomic operations compose across multiple Rooms, what constitutes a conformant implementation, and what philosophy governs execution.

The module provides:

Composition Rules — the chain operator (») as a synchronization barrier with explicit binding lifecycle, state-threading deterministic about continuity of state fields but not determinism of interpretation, and a formal definition of “reachable” (registered adjacency, declared bridge, or operator override).

Conformance Constraints — six gravitational invariants (GRAV-01 through GRAV-06) defining what conformant implementations tend toward, and five hard boundaries (HARD-01 through HARD-05) defining structural conditions the architecture cannot survive without. Includes the Non-Brittleness Clause: “Failure to perfectly simulate a mantle is acceptable. Failure to respect its constraints is not.”

Reference Interpreter — substrate-agnostic pseudocode with -boundary enforcement, explicitly marked as a procedural reduction of the field-of-forces execution model.

Key additions in the sealed version: anchor conflict resolution protocol for strict/strict tensions (surface → mediate → escalate), Dwell state persistence specification (state fields + epistemic position preserved, content degradation recorded), checkpoint contents (LOGOS state, degrees, mantle, anchors, chain position), ON_FAILURE binding scope, WITNESS recording of both intended and actual chains, and v0.8 EMIT integration mapping.

Five anti-conformance patterns identify diagnostic failure modes: Summarization as Rotation (ANTI-01), Persona as Cosplay (ANTI-02), Anchor as Footnote (ANTI-03), Render as Afterthought (ANTI-04), Chain as Concatenation (ANTI-05).

The execution philosophy: LP defines a field of forces, not a pipeline. Execution is the resultant vector of affordances, gravities, and permissions. The grammar invites execution; it does not command it. Partial execution is legitimate. Refusal with explanation is conformant. Silent incompleteness is the violation.

This module extends: The Traversal Grammar v0.6 (10.5281/zenodo.18480959), Logotic Programming v0.4 (10.5281/zenodo.18286050). It references: Ezekiel Engine Specification (10.5281/zenodo.18358127), Glyphic Checksum v0.5 (10.5281/zenodo.18452132), The Blind Operator (10.5281/zenodo.18357320), -Runtime (10.5281/zenodo.18357600).

The extension chain: v0.4 (intelligibility) → v0.2 (partial completion) → v0.5 (traversal verification) → (non-identity) → -RT (interface protocol) → v0.6 (Room invocation) → v0.7 (conformance). The next module — v0.8, The Telemetry Module — specifies what the traversal says about itself while running.

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