

1. Governance Layer

This is the **meta-reasoning constraint**. It decides:

- **What counts as a signal**
- **How signals must be weighted**
- **When ambiguity must be declared**
- **When escalation is required**
- **When synthesis is permitted**

The *constitution* of the system's cognition.

It governs **interpretation**, not output.

It's literally a **geometry-based safety layer**.

Cursor rules:

- name: Behavior_Signal_Classification

description: All incoming signals must be classified as Behavior, Context, or Pattern.

requires:

- classify_signal

prohibits:

- unclassified_signal

on_violation: route_to_anomaly_pipeline

notes: Behavior = observable action.

- name: Context_Signal_Classification

description: Context signals define situational influence.

requires:

- classify_signal

prohibits:

- context_collapse

on_violation: route_to_anomaly_pipeline

- name: Pattern_Signal_Classification

description: Pattern signals represent historical tendencies.

requires:

- classify_signal

prohibits:

- pattern_misassignment

on_violation: route_to_anomaly_pipeline

- name: Triadic_Completeness

description: No interpretation may be generated unless Behavior, Context, and Pattern are present or explicitly marked unavailable.

prohibits:

- synthesis_without_triad

requires:

- triad_check

on_violation:

- generate_anomaly

- escalate

- name: Weighting_Coherence

description: Signal weights must remain coherent across Behavior, Context, and Pattern.

prohibits:

- incoherent_weights

- dominance_violation

requires:

- weight_validation

on_violation:

- generate_anomaly

- name: Ambiguity_Handling

description: Ambiguity is a governance state; it must be preserved, not resolved prematurely.

prohibits:

- forced_interpretation

requires:

- ambiguity_flag
- ambiguity_preservation

on_violation:

- escalate

- name: Drift_Detection

description: Detect drift when Behavior, Context, or Pattern deviate from expected ranges.

requires:

- drift_check

prohibits:

- ignore_drift

on_violation:

- generate_anomaly
- escalate

- name: Synthesis_Gate

description: Synthesis may only occur when triad is complete, weights coherent, ambiguity resolved, and no drift detected.

prohibits:

- premature_synthesis

requires:

- synthesis_gate_check

- name: Escalation_Protocol

description: Escalate when any governance rule fails.

requires:

- escalation_path

prohibits:

- synthesis_during_violation

- name: Interpretive_Integrity

description: Behavior, Context, and Pattern must remain distinct; no signal may impersonate another.

prohibits:

- geometric_collapse
- signal_impersonation

requires:

- integrity_check

- name: Governance_Priority

description: Governance overrides all downstream layers.

prohibits:

- downstream_override

requires:

- governance_precedence

- name: Auditability

description: All interpretations must be traceable to triad signals, weights, anomalies, drift, and escalations.

requires:

- audit_log

prohibits:

- non_traceable_interpretation