

# Execution-Governance Architecture Positioning & Evaluation Form (v1.0)

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## Purpose

This form classifies and positions systems within an architectural landscape using two primary axes:

- **X-axis: Execution Correctness Rigor**
- **Y-axis: Governance Scope**

It is designed to:

- enforce architectural clarity
  - prevent category misclassification
  - enable consistent quadrant-based positioning
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## Evaluation Model

The form operates in four stages:

### 1. Architectural Identity

(Section 1)

→ What the system *is*

### 2. Placement Constraints

(Section 1.6)

→ Where the system is *allowed* to be placed

### 3. Capability Measurement

(Sections 2–3)

→ What the system *can do*

### 4. Normalization & Adjustment

(Sections 4–6)

→ Refinement based on evidence role and authority

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## Key Principle

A system's position is constrained by its **architectural type and authority boundary** before capability scoring is applied.

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## SECTION 0 — SYSTEM IDENTIFICATION

System Name:

Version / Date:

Author / Organization:

Primary Documentation URL:

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## SECTION 1 — ARCHITECTURAL IDENTITY (MANDATORY)

### 1.1 Primary Function (Select ONE)

- Execution control plane
  - Governance architecture
  - Policy engine
  - Orchestration system
  - Reasoning / cognitive system
  - Evidence / provenance system
  - Ontology / semantic model
  - Doctrine / principle framework
  - Security / protection layer
  - Other: \_\_\_\_\_
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### 1.2 Layer Placement (Select ALL)

- Pre-decision
  - Decision
  - Execution
  - Post-execution
  - Cross-cutting
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### 1.3 Boundary of Authority (Select ONE)

- Advisory only
  - Pre-execution
  - Execution-time enforcement
  - Post-execution
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### 1.4 Operational Type (Select ONE)

- Ontological
  - Logical
  - Operational
  - Hybrid
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### 1.5 Primary Output Type (Select ONE)

- Allow / Deny decisions
  - Recommendations
  - Policies
  - Models
  - Events / logs / attestations
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## SECTION 1.6 — PLACEMENT CONSTRAINTS (MANDATORY)

Apply BEFORE scoring.

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### 1.6.1 Execution Authority Constraint

If Section 1.3  $\neq$  Execution-time enforcement:

→ X Score MUST be  $\leq 10$

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### 1.6.2 Ontological Constraint

If Section 1.4 = Ontological:

→  $X \leq 4$

→  $Y \leq 6$

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### **1.6.3 Doctrine / Advisory Constraint**

If Primary Function = Doctrine OR Authority = Advisory:

- Cannot be placed in Q1 or Q4
  - Must be Q2 or Q3
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### **1.6.4 Evidence System Constraint**

If Primary Function = Evidence / Provenance:

- Evaluate Section 4 FIRST

If system:

- records only
- does not control execution

- $X \leq 4$
  - $Y \leq 8$
  - OR remove from quadrant entirely
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### **1.6.5 Policy Engine Constraint**

If Primary Function = Policy Engine:

- $Y \leq 8$
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### **1.6.6 Orchestration Constraint**

If Primary Function = Orchestration:

- $X \leq 6$
- 

### **1.6.7 Reasoning System Constraint**

If Primary Function = Reasoning:

- $X \leq 6$
  - $Y \leq 10$
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### 1.6.8 Security / Protection Constraint

If Primary Function = Security Layer:

→  $X \leq 10$

→  $Y \leq 12$

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### SECTION 2 — EXECUTION CORRECTNESS RIGOR (BASE X)

Criterion	Yes (2)	Partial (1)	No (0)
Runtime enforcement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-bypassable boundary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Re-evaluation at execution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Deterministic outcomes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Replayability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Explicit invariants	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Canonical state model	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ordering guarantees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Base X Score: \_\_\_\_ / 16

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### SECTION 3 — GOVERNANCE SCOPE (BASE Y)

Criterion	Yes (2)	No (0)
System-wide coverage	<input type="checkbox"/>	<input type="checkbox"/>
Multi-domain operation	<input type="checkbox"/>	<input type="checkbox"/>
Actor / agent model	<input type="checkbox"/>	<input type="checkbox"/>
Policy integration	<input type="checkbox"/>	<input type="checkbox"/>
Evidence linkage	<input type="checkbox"/>	<input type="checkbox"/>

Cross-system coordination	<input type="checkbox"/>	<input type="checkbox"/>
Lifecycle awareness	<input type="checkbox"/>	<input type="checkbox"/>
Execution + governance integration	<input type="checkbox"/>	<input type="checkbox"/>

Base Y Score: \_\_\_\_ / 16

## SECTION 4 — EVIDENCE / PROVENANCE ADJUSTMENT

### 4.1 Evidence Characteristics

- Event capture
- Immutable storage
- Cryptographic integrity
- External verification

### 4.2 Execution Authority

- Controls execution
- Influences execution
- Records only

### 4.3 Adjustment Rule

If:

- records only = TRUE
- no execution authority

→ enforce:

- $X \leq 4$
- $Y \leq 8$

## SECTION 5 — ARCHITECTURAL TYPE MODIFIER

Apply AFTER constraints:

- Execution control plane → +2 X

- Governance architecture → +2 Y

(All other types already constrained in Section 1.6)

## SECTION 6 — AUTHORITY MODIFIER

Apply AFTER constraints:

Authority	Adjustment
Execution-time	none
Pre-execution	-2 X
Advisory	-4 X
Post-execution	-6 X

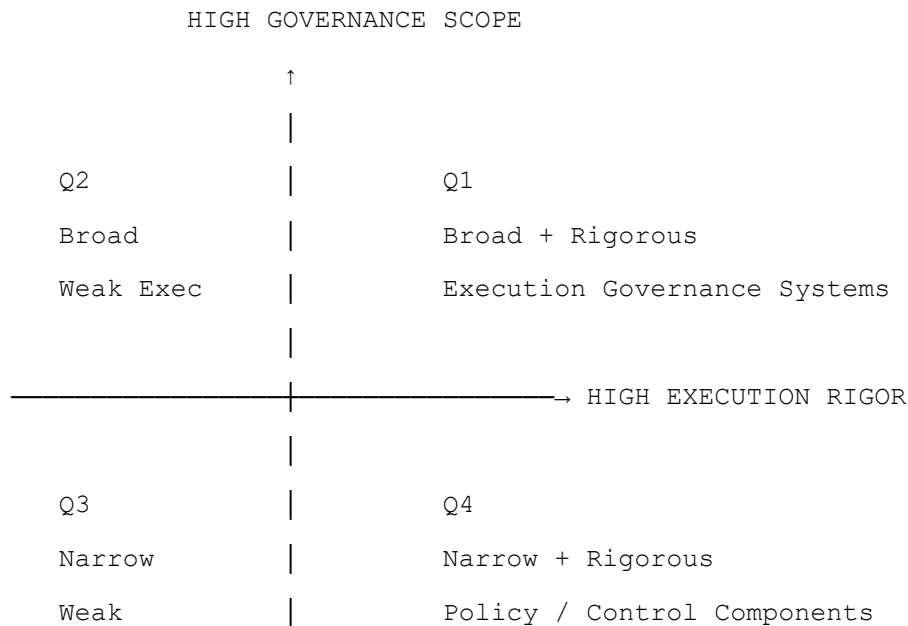
## SECTION 7 — FINAL AXIS SCORES

Adjusted X Score: \_\_\_\_\_ / 16

Adjusted Y Score: \_\_\_\_\_ / 16

Apply all clamps from Section 1.6

## SECTION 8 — QUADRANT PLACEMENT



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**Final Placement**

- Q1
- Q2
- Q3
- Q4

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**SECTION 9 — FINAL CLASSIFICATION**

- Execution-bound governance system
- Governance architecture
- Policy system
- Orchestration system
- Reasoning system
- Evidence / provenance system
- Ontology / semantic model
- Doctrine / framework
- Security / protection architecture

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**SECTION 10 — NOTES / JUSTIFICATION**

(Explain placement and constraints applied)

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**SECTION 11 — REVIEWER INFORMATION**

Name:

Date:

Affiliation:

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