Assessment Blueprint: Secure SDLC with Claude Code

CC-402 Module Rubric & Architecture Guide

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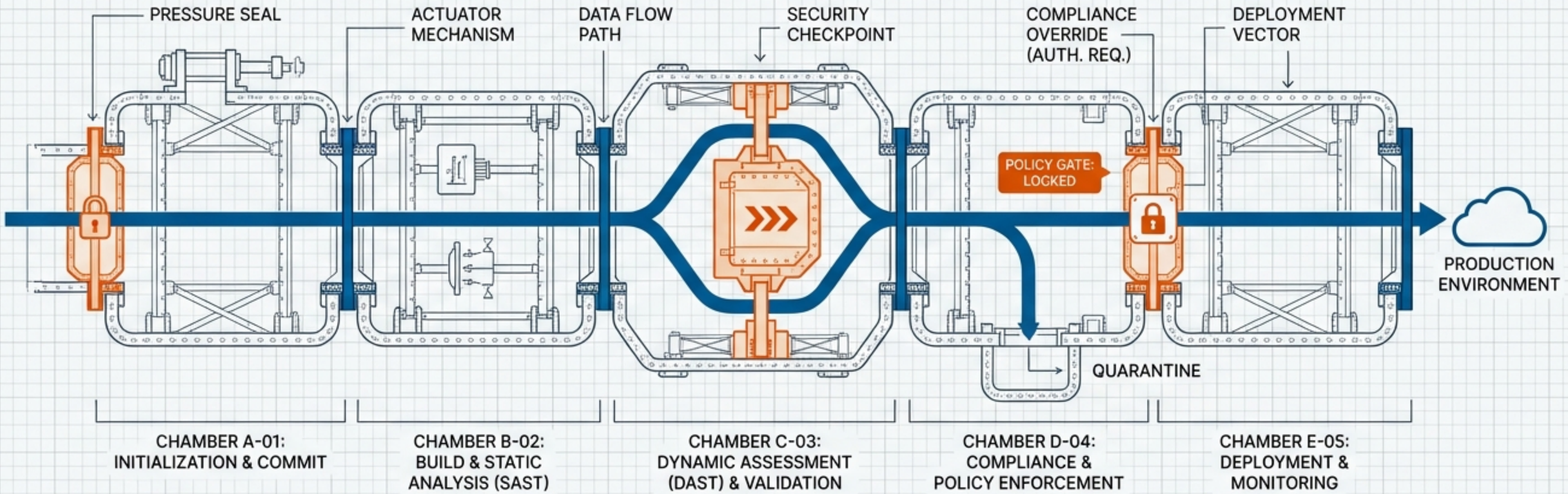

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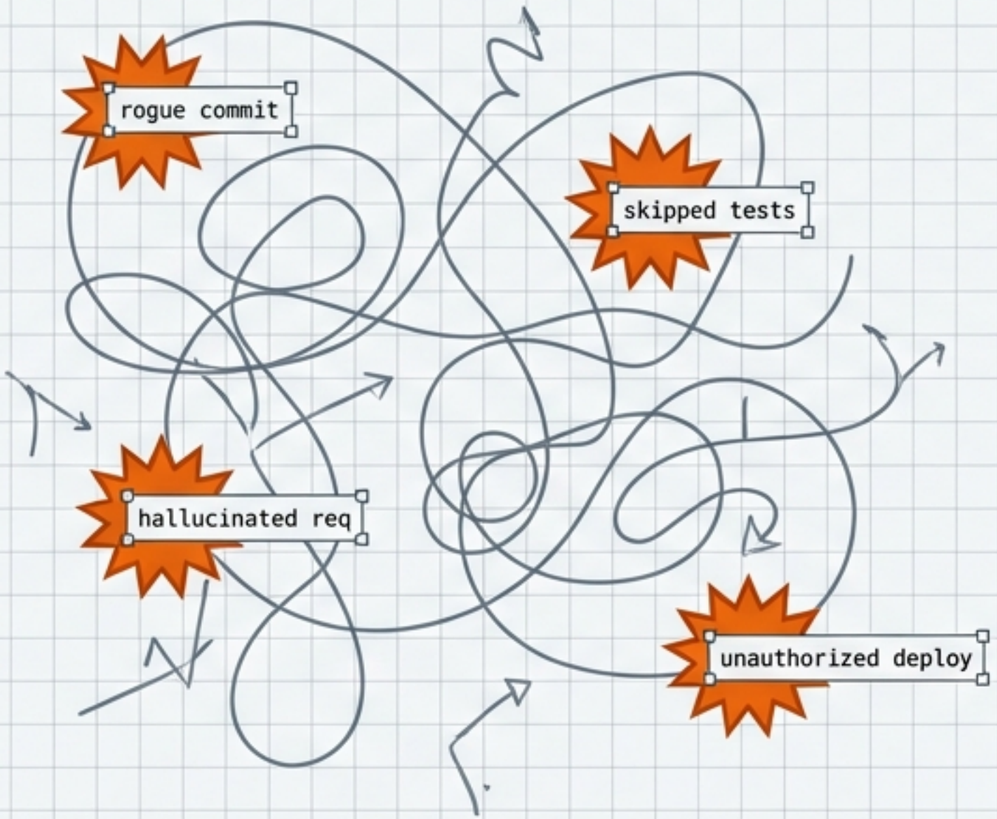
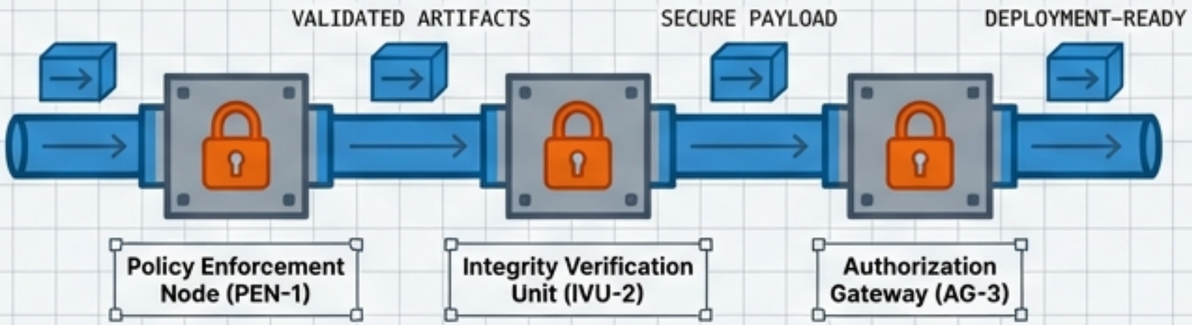
The Agentic SDLC Mandate

Without **governance**, autonomous agents create unbounded risk. The CC-402 standard replaces ad-hoc delegation with a hardened, verifiable pipeline.

Ungoverned Delegation

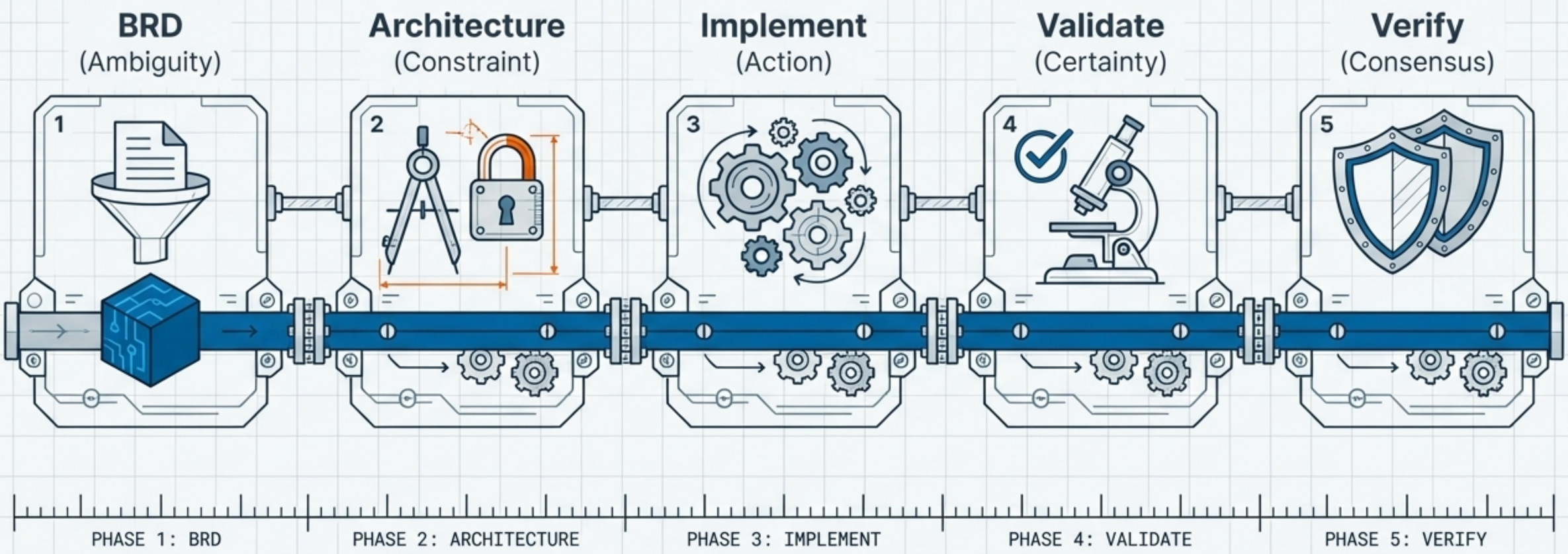


CC-402 Standard



The Secure Pipeline Architecture

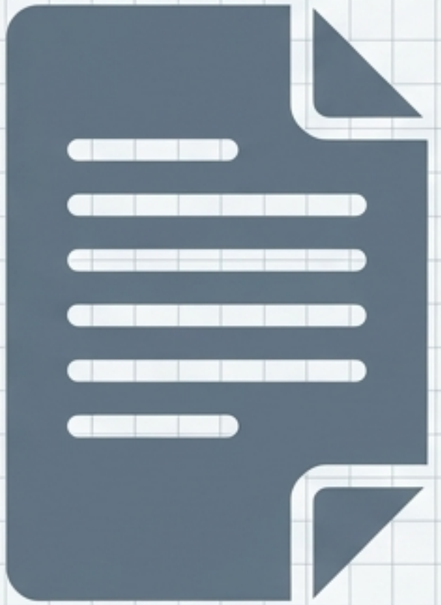
The five-stage lifecycle of a verified requirement.



Stage 1: BRD-Driven Development

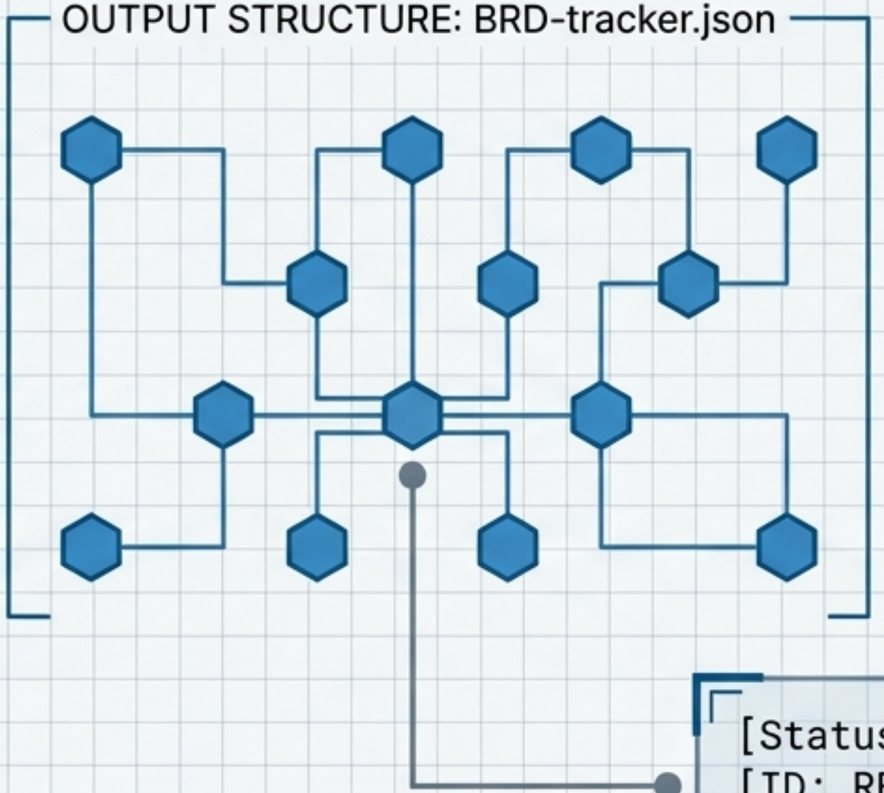
Assessment Benchmark: 100% requirement extraction; zero orphan requirements.

MONOLITHIC TEXT DOCUMENT



Parse & Extract

OUTPUT STRUCTURE: BRD-tracker.json



```
[Status: Pending]
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[Coverage: Null]
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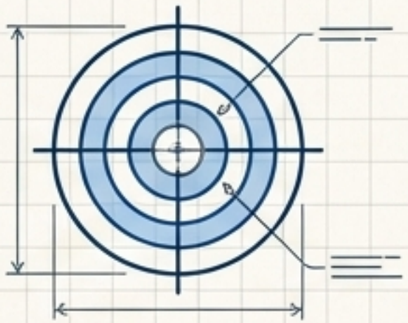
Stage 2: Intent Engineering

Replacing implicit assumptions with explicit boundaries.

Objectives

What must be true when finished

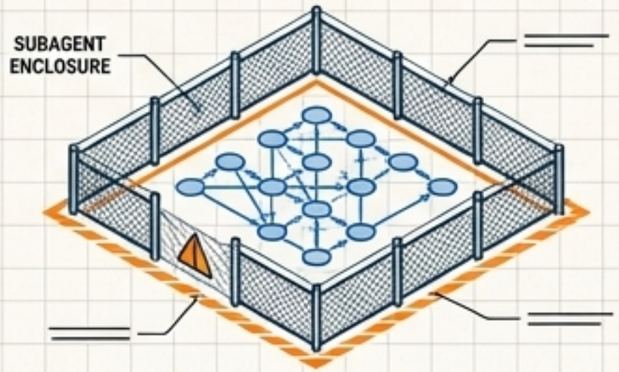


Trade-offs

Pre-resolved architectural conflicts

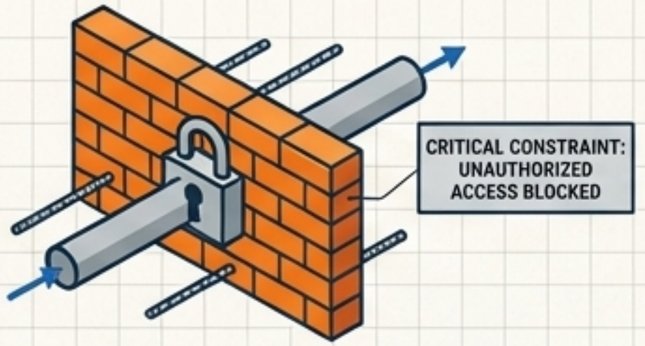
Delegation Boundaries

Explicit limits on subagent spawning



Hard Limits

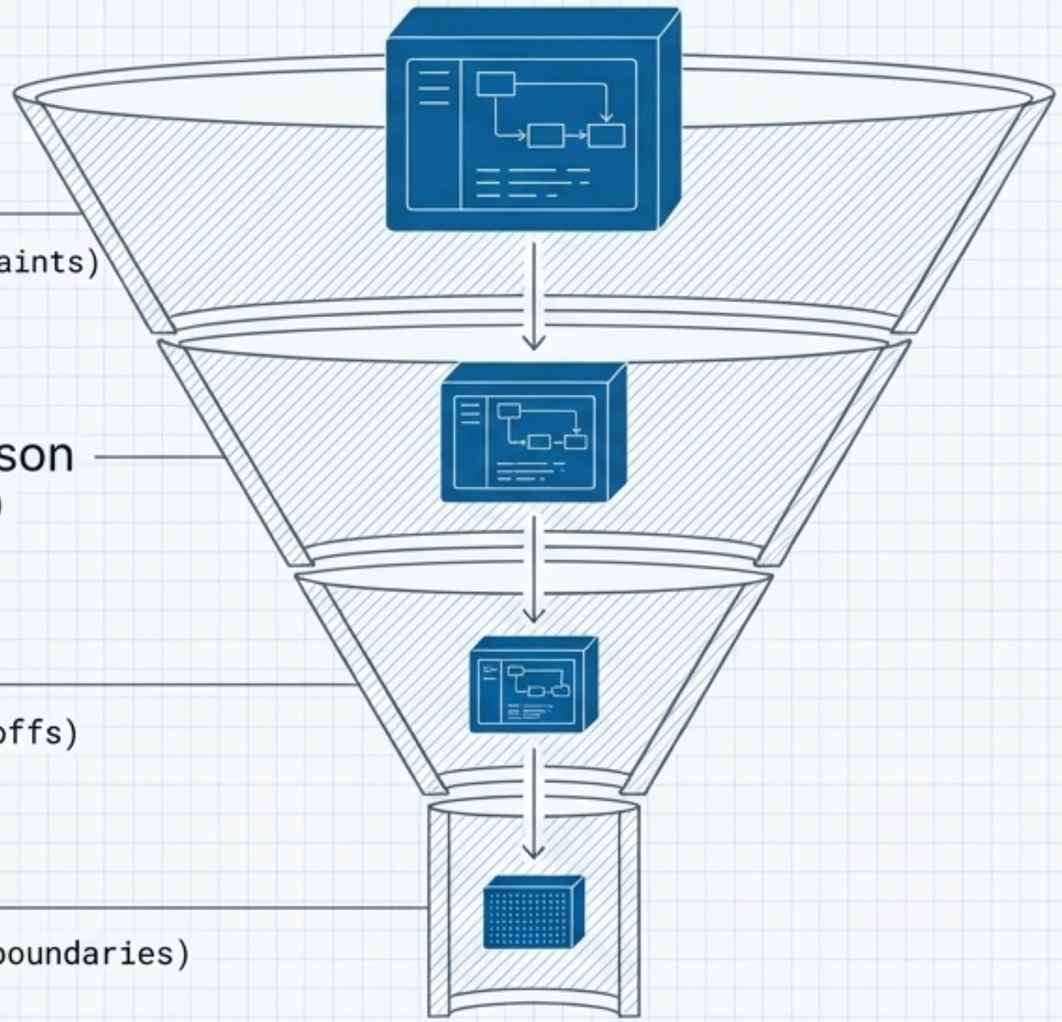
Unbreakable constraints. e.g. Never modify auth.py



The Intent Cascade

SCALE: 1:1
SPEC: IEEE-P12

Broad organizational rules constrain down to hyper-specific agent actions.



SPEC: IEEE-P12
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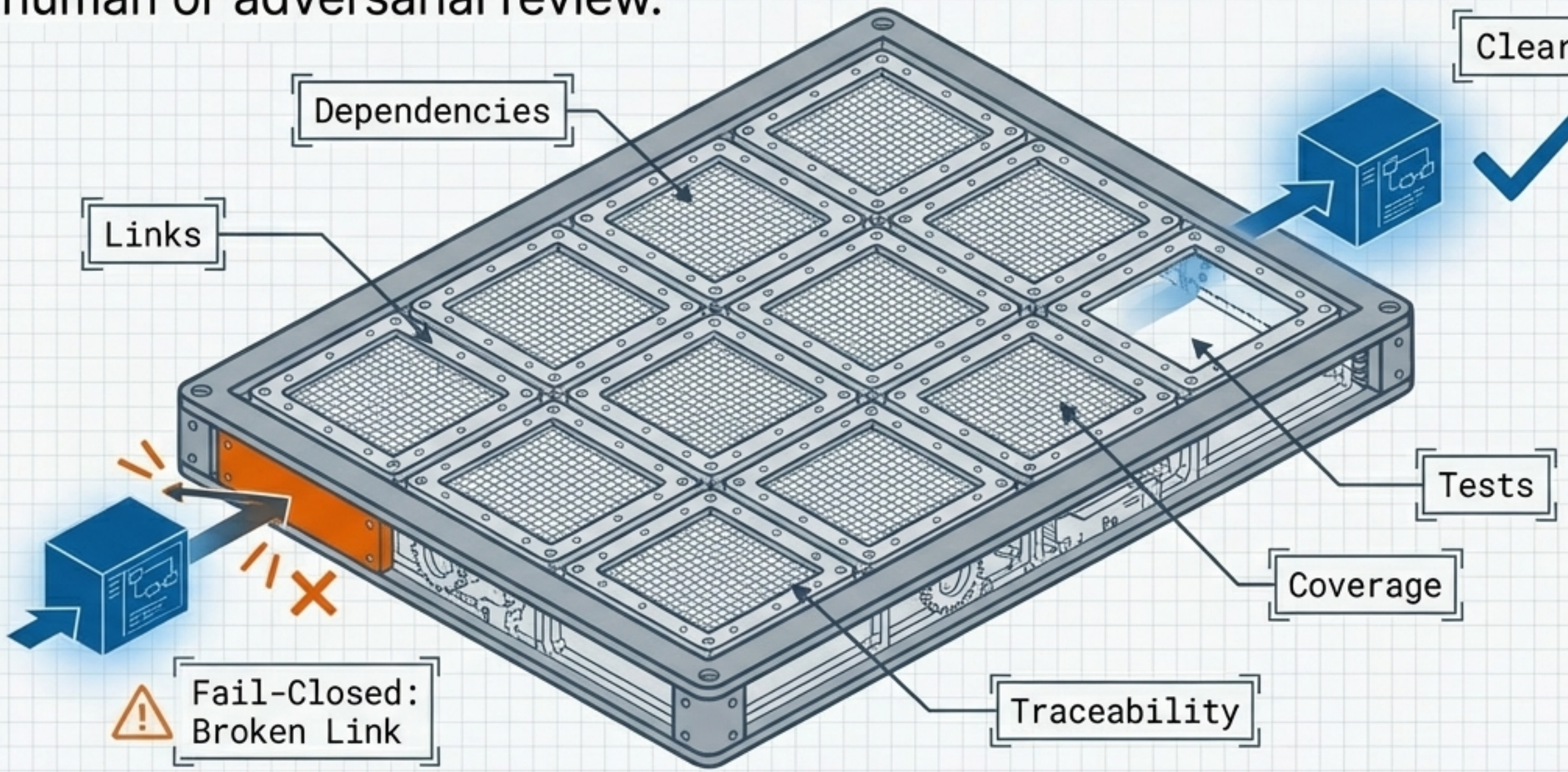
Stage 3: Implementation Diagnostics

Identifying and correcting common pipeline anti-patterns.

	Anti-Pattern ⚠	Target State ✓
Intent	⚠ Empty Intent Blocks (Ad-hoc resolution)	✓ Explicit Trade-offs Defined
Validation	⚠ “Tests Pass” as sole metric	✓ 12-Domain Completeness Check
Traceability	⚠ Orphaned Code	✓ 100% mapping to `BRD-tracker.json`
Execution	⚠ Unbounded subagent spawning	✓ Strict depth/breadth delegation limits enforced

Stage 4: Completeness Validation

The mechanical first-pass net. Twelve domains that must clear before human or adversarial review.



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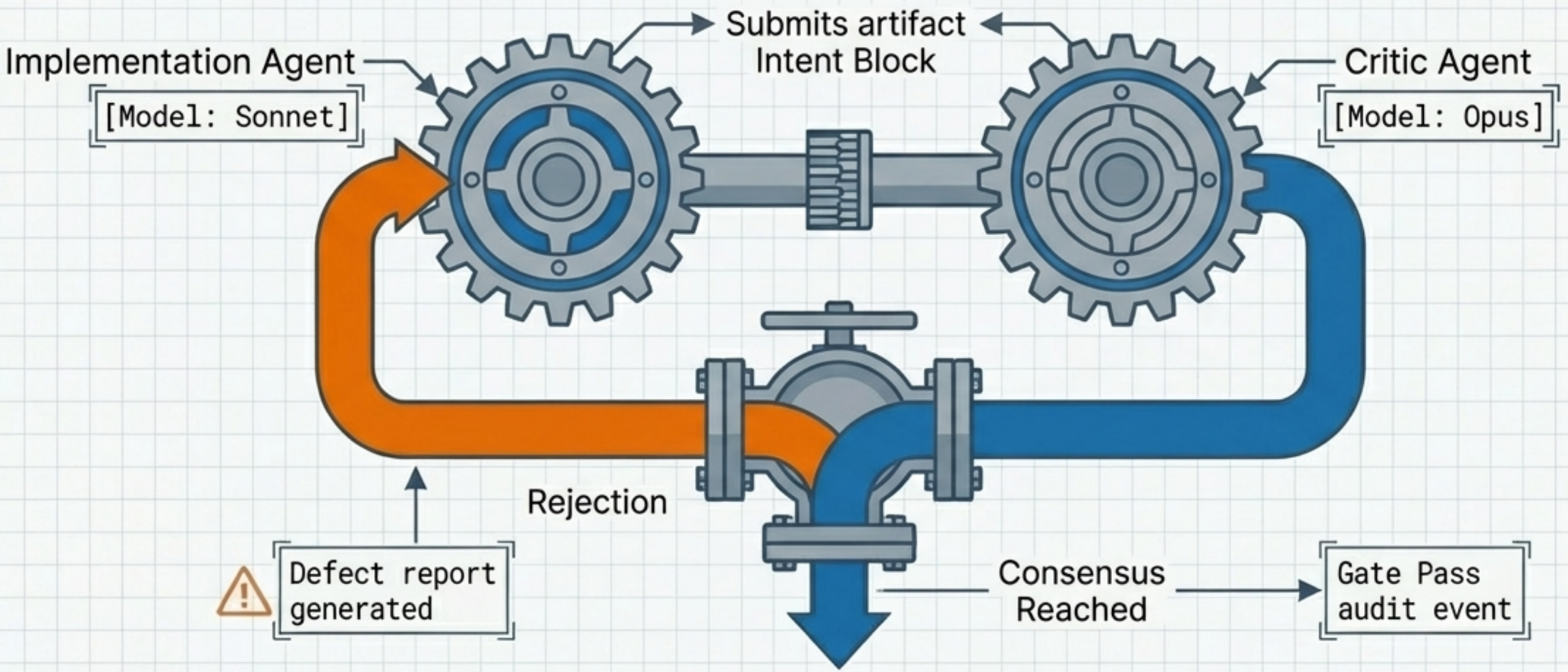
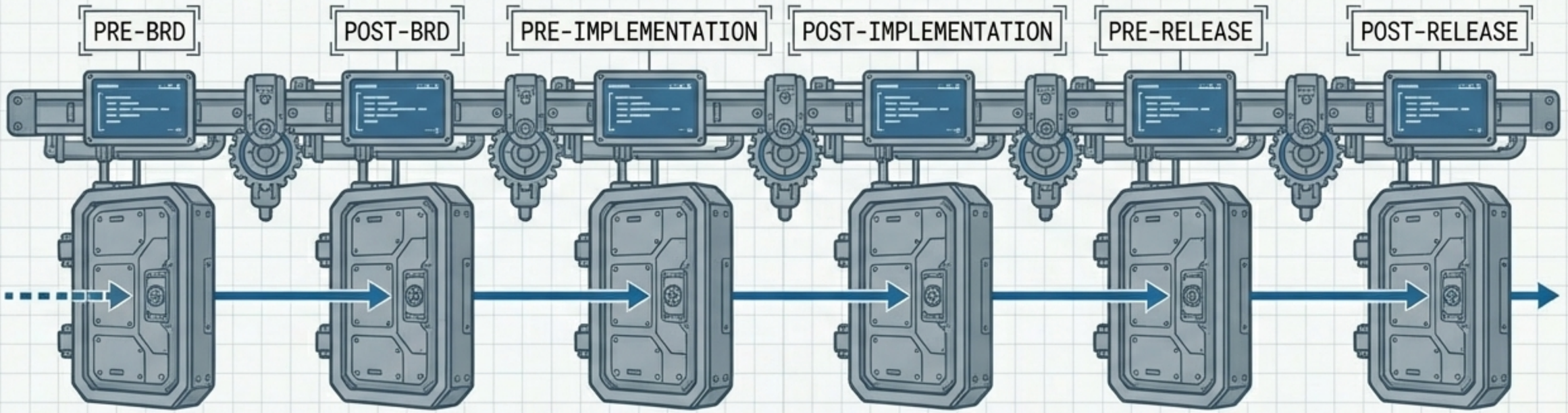
Stage 5: Adversarial Review

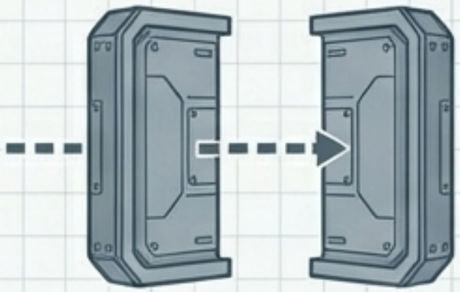
Multi-model consensus ensures critical decisions are debated, not rubber-stamped.



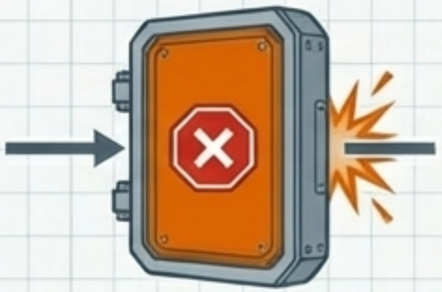
The Six Blocking Gates

Automated hard stops preventing unverified code from reaching deployment.





Advisory Mode
Reports gaps, allows passage.

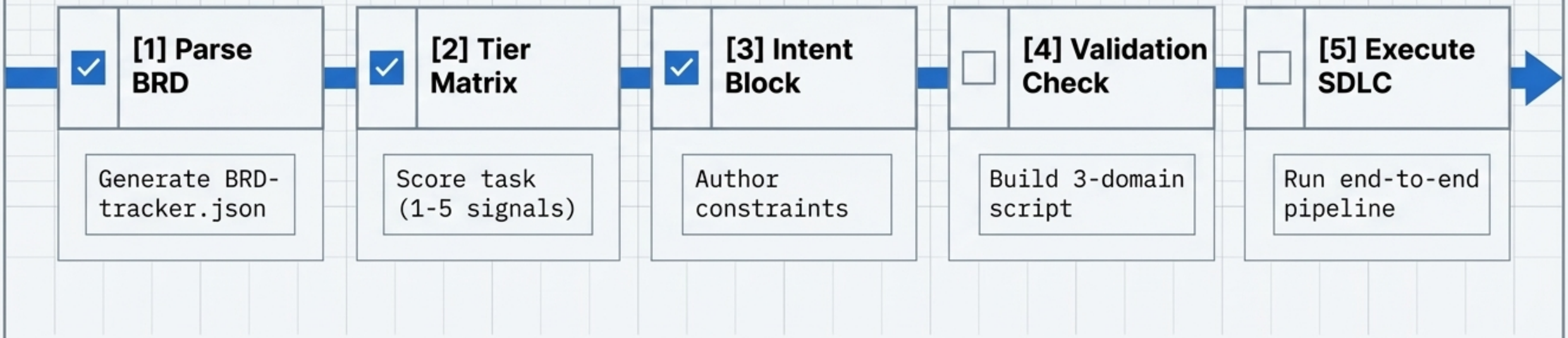


Blocking Mode
Hard fail-closed, requires rework.

[SPEC: DEPLOY-SEC-006]
[SCALE: 1:1]
[REV: 3.0]

The Mini SDLC Lab Progression

Step-by-step required outputs for your practical lab execution.



[SPEC: LAB-SDLC-001]

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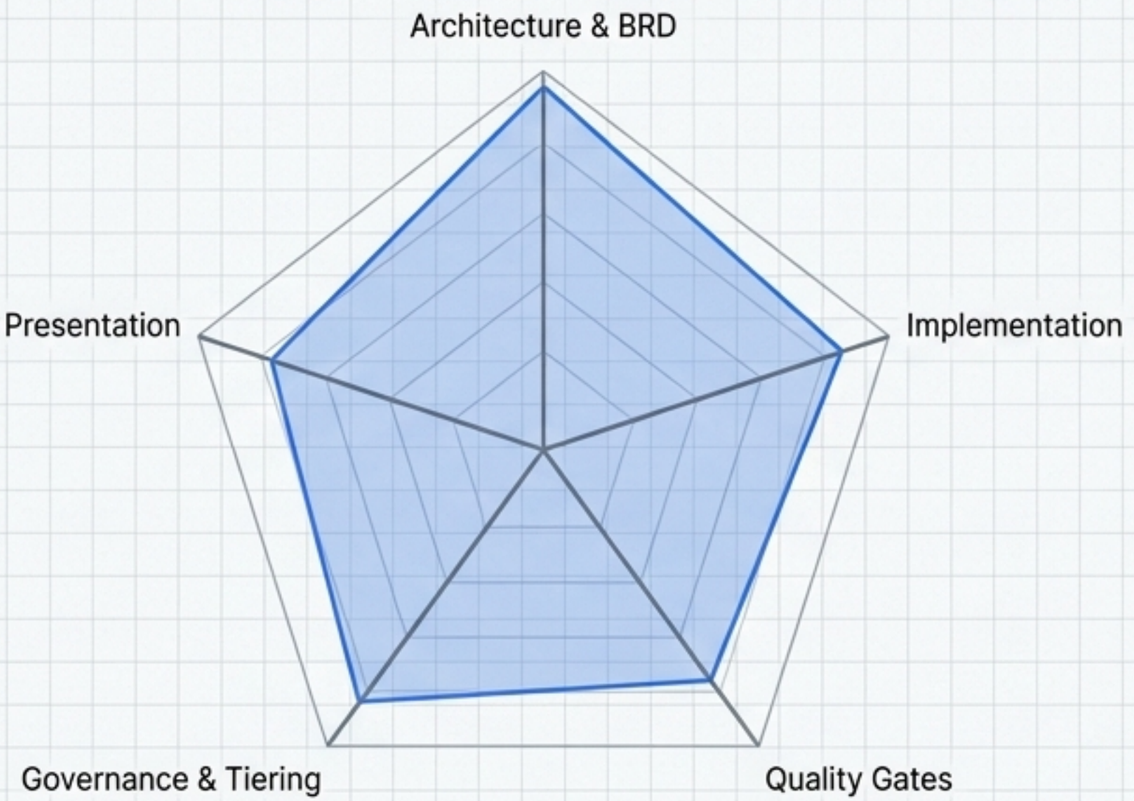
CC-402 Capstone Assessment Rubric

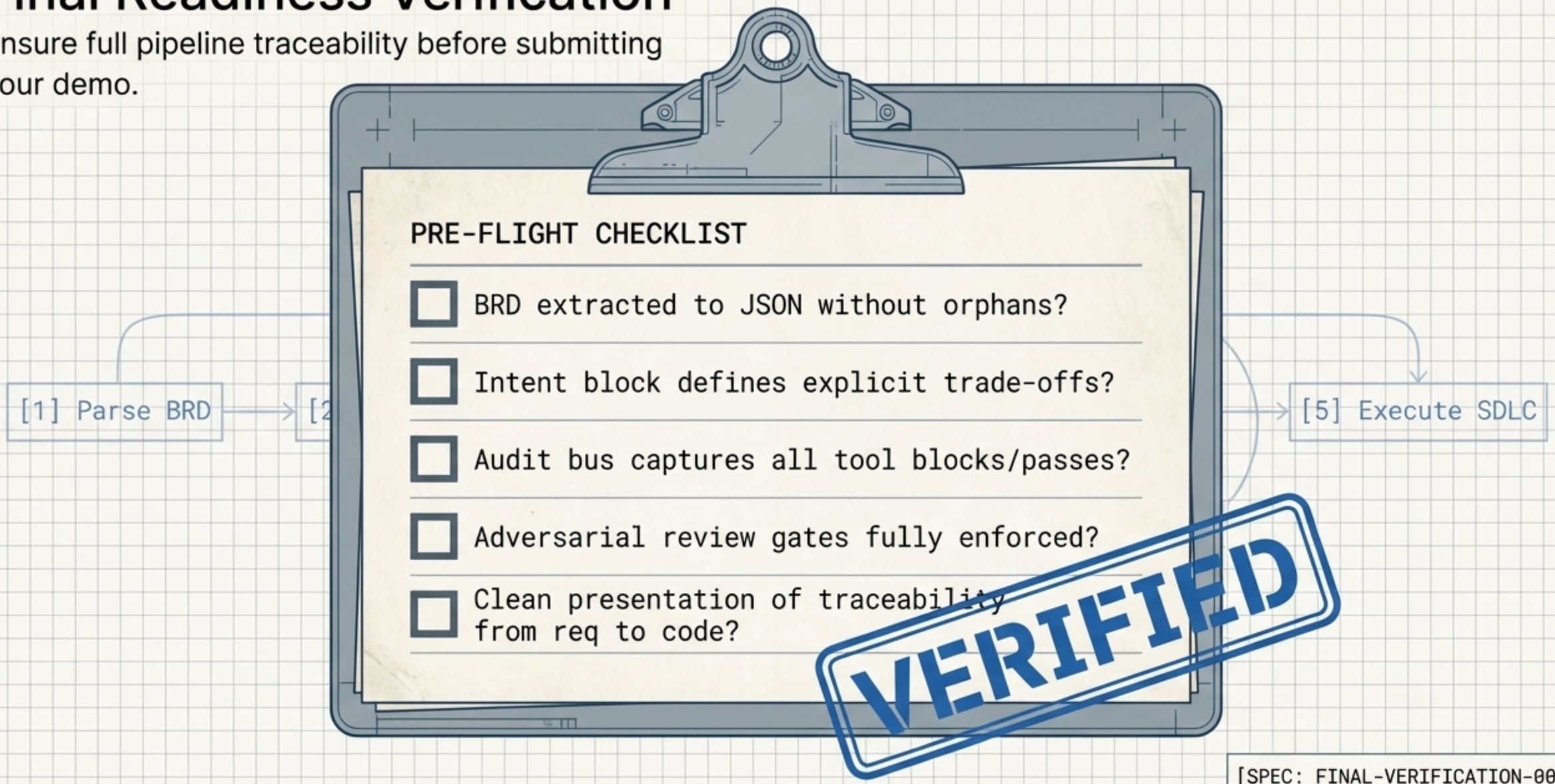
Total: 100 points. Pass Threshold: 80 points.



Architecture & BRD (30 pts): 100% extraction, all `specs` created.	
Governance & Tiering (25 pts): Audit trail, `delegation compliance`, correct tier.	
Implementation (20 pts): No placeholders, `real integrations`.	
Quality Gates (15 pts): All applicable `gates passed`.	
Presentation (10 pts): Clear demo with full `traceability`.	

Final Readiness Verification

Ensure full pipeline traceability before submitting your demo.



[SPEC: FINAL-VERIFICATION-001]
[SCALE: 1:1] [REV: 3.0]