
ARIP-P3 — From Competing Priorities to Accountable Decisions
Transit Upgrade
Digital Modernization
Hospital Expansion
Utility / Grid Infrastructure
Workforce / Skills Program
Evidence & Sources
Feasibility Constraints
Risks
Dependencies
Governed Analysis
Evidence Synthesis
Constraint & Feasibility Review
Risk & Contradiction Analysis
Dependency Mapping
Source-Based Analysis
AI Assistant (Analytical Support)
Synthesize evidence (source-linked)
Highlight risks & contradictions
Surface dependencies & constraints
Project Proposals
Decision Record
Reviewed Evidence & Analysis
Resolved Key Contradictions
Authorized Priorities & Next Steps
Assigned Accountability & Monitoring
Monitoring Timeline
Authorize (Q1)
Initiate (Q2)
Deliver (Q3–Q4)
Monitor (Ongoing)

The Cost of Fragmented Project and Portfolio Decision-Making

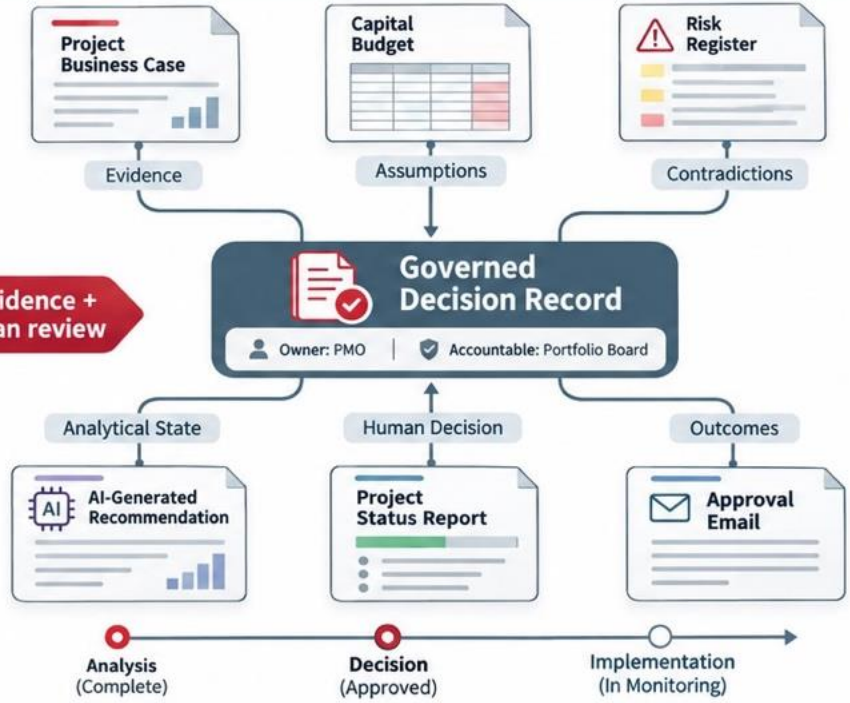
Fragmented decision process



Reasoning is fragmented, traceability is weak, and the basis for the decision is difficult to reconstruct.

Structured evidence + governed human review

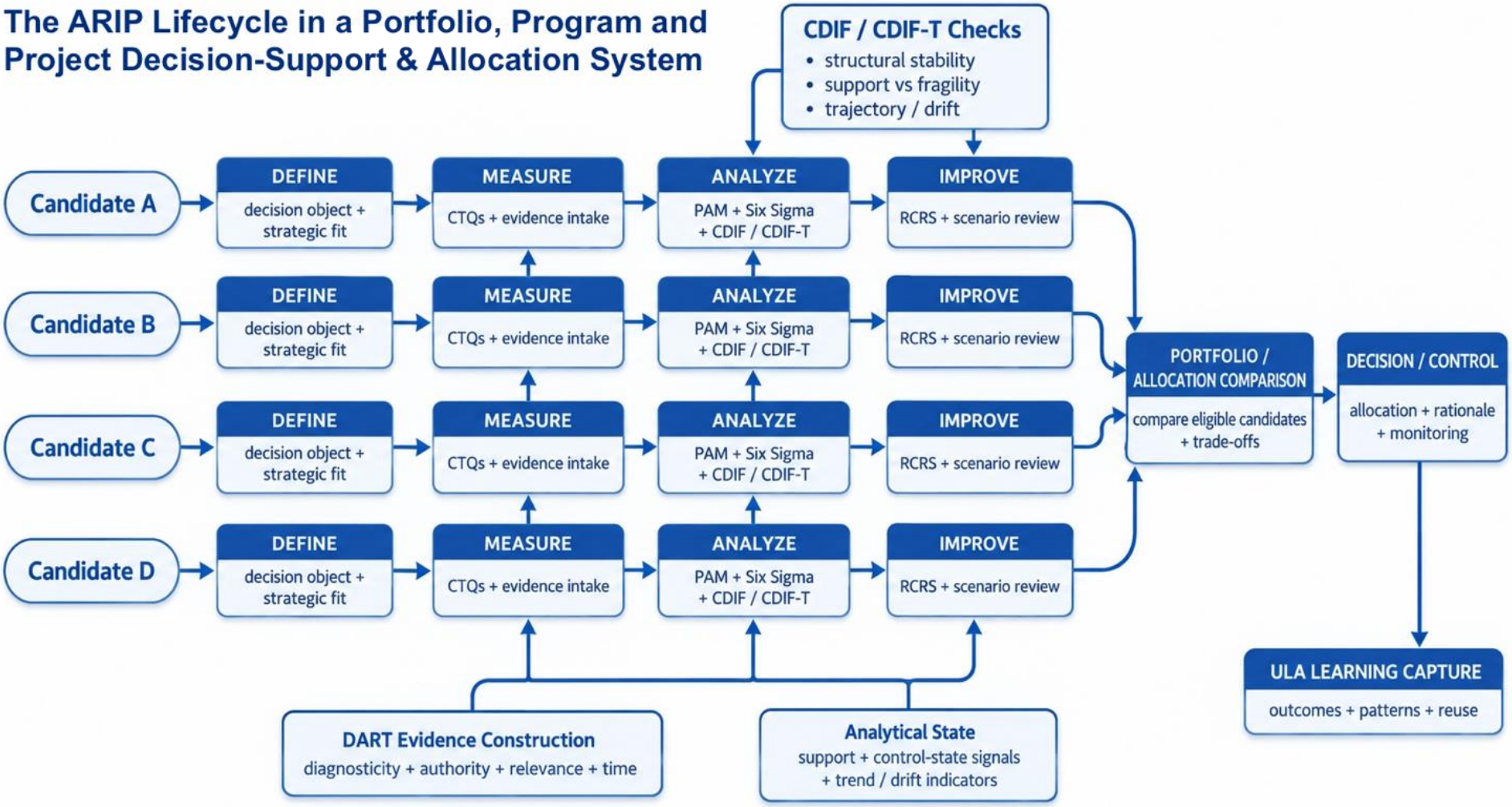
Governed decision record



A complete, traceable, and governed record that preserves the evidence, analysis (including AI), and human judgment behind the decision.

AI contributes analysis and insight, but does not replace professional project-management expertise or human review.

The ARIP Lifecycle in a Portfolio, Program and Project Decision-Support & Allocation System



ARIP-P3 — From Eligible Candidates to Fair Portfolio Comparison

1. **Candidate Analysis** — Separate governed lifecycle records
2. **Admission & Feasibility** — Mandatory constraints checked
3. **Comparison Readiness** — Coverage, maturity and currency reviewed
4. **Human Deliberation** — Trade-offs assessed; decision recorded



Project A
Transit Upgrade

- Strong evidence
- Clear case rationale
- Risks identified

→ **Admitted**
Meets mandatory feasibility requirements

→ **Comparison-Ready**
Sufficient coverage, maturity and current evidence



Project B
Hospital Expansion

- Strong evidence
- Clear case rationale
- Risks identified

→ **Held / Excluded**
Mandatory constraint breached (e.g., budget, safety or capacity)

→ **Not in Comparison**
Not admitted (constraint must be resolved first)



Project C
Digital Modernization

- Eligible and relevant
- Evidence gaps
- Some assumptions unresolved

→ **Additional Work**
Address evidence gaps and key assumptions before admission

→ **Not Yet Ready**
Additional evidence and analysis required



Key Distinctions

- A strong business case can still fail admission if a mandatory constraint is breached (e.g., budget, safety, capacity).
- Admission confirms feasibility, not preference.
- Comparison readiness ensures a fair, like-for-like basis among admitted candidates.

Comparison-Readiness Normalization (Conceptual)

Evidence Completeness
Key evidence present or missing

Maturity
Development stage and analysis depth

Source Currency
Timeliness and version status

Unresolved Contradictions
Material differences or conflicting evidence

Outcome

- Transparent, evidence-governed comparison among feasible, comparison-ready candidates.
- Human–AI deliberation examines feasible alternatives and trade-offs.
- A documented decision record supports accountability, monitoring and future learning.

ARIP-P3 — The Accountable Allocation and Decision Record

Project Portfolio Decision | Candidate: Hospital Expansion (Project B)

Conceptual ARIP-P3 interface — not a production screenshot.

1. Candidate Evidence & Analytical State

Governed lifecycle record (frozen for this review)



Project B – Hospital Expansion

Expand capacity and services to meet regional demand

- **Analytical State** — Defined · Measured · Analyzed (current)
- **Source Lineage** — Linked evidence, filings and references
- **PAM Progression** — Baseline → Current (direction and state)
- **Diagnostic Warnings** — Constraint breach and evidence gaps
- **Strongest Current-State Countercase** — Key alternative explanation and evidence

2. Constraints & Trade-offs

Budget	Within / At risk / Breach
Available Capacity	Adequate / Constrained
Timing	On track / At risk
Strategic Fit	High / Moderate / Low
Risk Profile	Key risks and mitigations
Reversibility	Flexible / Limited / Hard

3. Advisory Review

Alternative Actions	e.g.,proceed, phase, revise, defer
Unresolved Evidence	Key gaps to address before or during delivery
Contradiction Review	Material inconsistencies and their implications
Scenario Implications	Plausible scenarios and effects on objectives, cost, timing and risk

4. Human Decision Record

Chosen Action	Proceed (with conditions)
Decision-maker	Authorized Executive / Committee
Rationale	Meets service need and strategic fit; proceed with defined conditions to address identified constraints and risks.
Overrides	None
Monitoring Trigger	Defined milestones and evidence review (e.g., design completion, cost update, capacity confirmation)

Authorized Decision

Decision recorded and accepted by the decision-maker.

Decision Record (versioned) → **Monitoring & Outcomes** — Track implementation, benefits and material changes. ⇢ **Future Observational Learning** — Use observed outcomes to inform and refine future analyses (not yet operational).

ARIP-P3 Deployment: From a Single Decision to Enterprise Portfolio Governance

2027 Pilot
One consequential project or program decision



Single Project Lifecycle Record
Idea → Define → Measure → Analyze → Improve → Control

Governed Analysis
Evidence, assumptions, risks and countercase

Authorized Review
Analyst and sponsor deliberation

Pilot Acceptance Checkpoint
Confirm outcomes and readiness for next stage

2028 Commercial Release
PMC comparison, deliberation and single-client licensed deployments



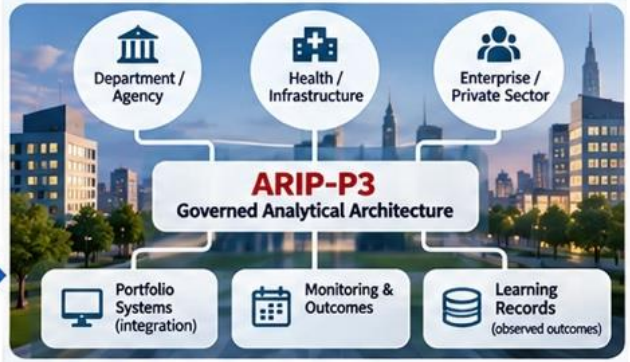
PMC Comparison & Deliberation
Fair, like-for-like comparison among eligible candidates

Advisory PMCR Layer
Alternatives, trade-offs, risks and scenario implications

Controlled Deployment
Single-client licensed use and evaluation

Commercial Release Checkpoint
Controlled launch with defined scope and support

2029+ Enterprise Scale
Multi-client hardening, integration and broader adoption



Multi-Client Hardening
Scalability, security and operational robustness

Integration & Operations
Connects with existing portfolio and reporting systems

Broader Adoption
Expanded use across programs, sectors and organizations

Demonstrate → **Validate and Commercialize** → **Expand**

Indicative targets, subject to funding, implementation acceptance and partner approvals.