



ENGINEERING STANDARDS LIBRARY / SOFTWARE ENGINEERING



Software, Platform, Distributed Data, and Reliability Executive Portfolio

Executive synthesis of the permanent standards governing software design, platform delivery, distributed state, persistence, reliability, and engineering economics.

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Standard / Advanced
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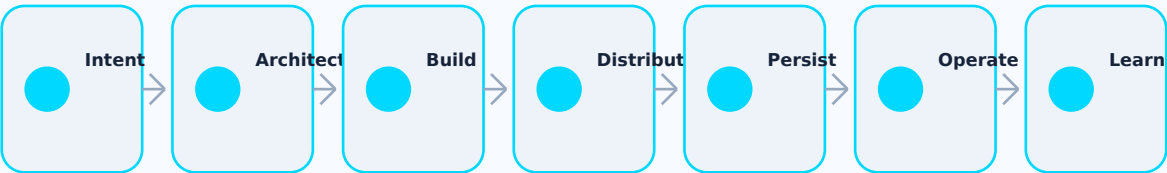
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CHAPTERS	ASSURANCE VIEWS	IMPLEMENTATION PROFILES	PERMANENT IDENTITY

Publication doctrine. This publication establishes durable guidance or requirements for its defined scope. Interpretation must preserve the permanent document identity, recorded evidence, controlled exceptions, and formal revision history.

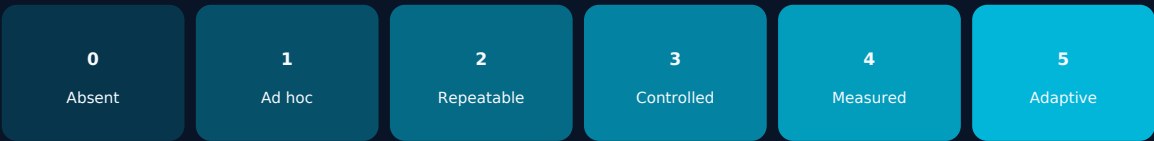
SYSTEM MAP

Integrated engineering operating model

Evidence-bearing delivery path



Assurance maturity spectrum



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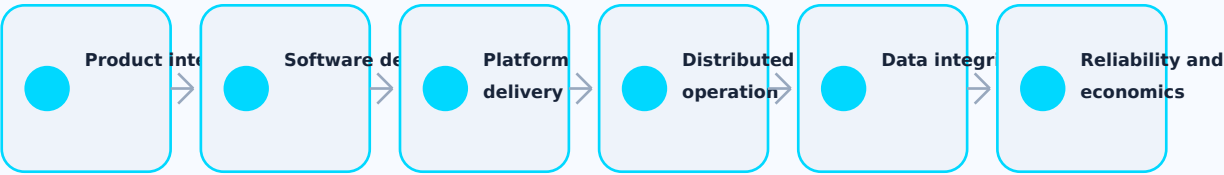
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EXECUTIVE SYNTHESIS

Portfolio position

The library defines one continuous engineering system across software architecture, implementation languages, developer platforms, distributed state, persistence, reliability, cost, and evidence.

Controlled delivery path



The portfolio contains 23 permanent candidate standards and 303 indexed evaluation criteria.

Its central doctrine is that speed without reproducibility, state authority, observability, and recovery evidence is accumulated risk rather than engineering velocity.

LIBRARY MAP

Domain register

Series	Domain	Standards	Criteria
SWE	Software Engineering	9	138
PLT	Platform Engineering	6	71
DST	Distributed Systems	2	24
DBS	Database and Storage	3	36
SRE	Reliability Engineering	3	34

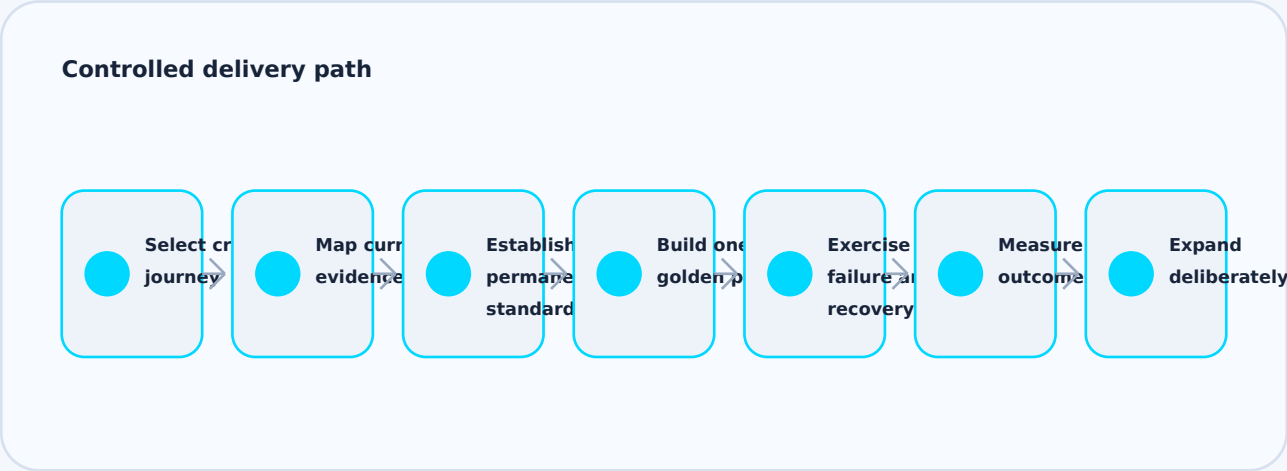
GOVERNANCE

Leadership decisions

Decision	Required position
Platform ownership	Name product owners for shared engineering paths and service objectives.
Source and artifact trust	Require protected source, reproducible build controls, provenance, and signed promotion.
State authority	Identify authoritative state and reconciliation behavior for every critical workflow.
Reliability budget	Approve SLOs, error-budget policy, capacity margin, and recovery investment.
Exceptions	Require dated exceptions with compensating controls and convergence plans.
Research adoption	Separate technical promise from reproduced operational readiness.

SEQUENCING

Adoption roadmap



The first implementation should be a vertical slice through one real product journey. It must include domain intent, code, build, test, deployment, telemetry, SLO, failure exercise, and retained evidence.