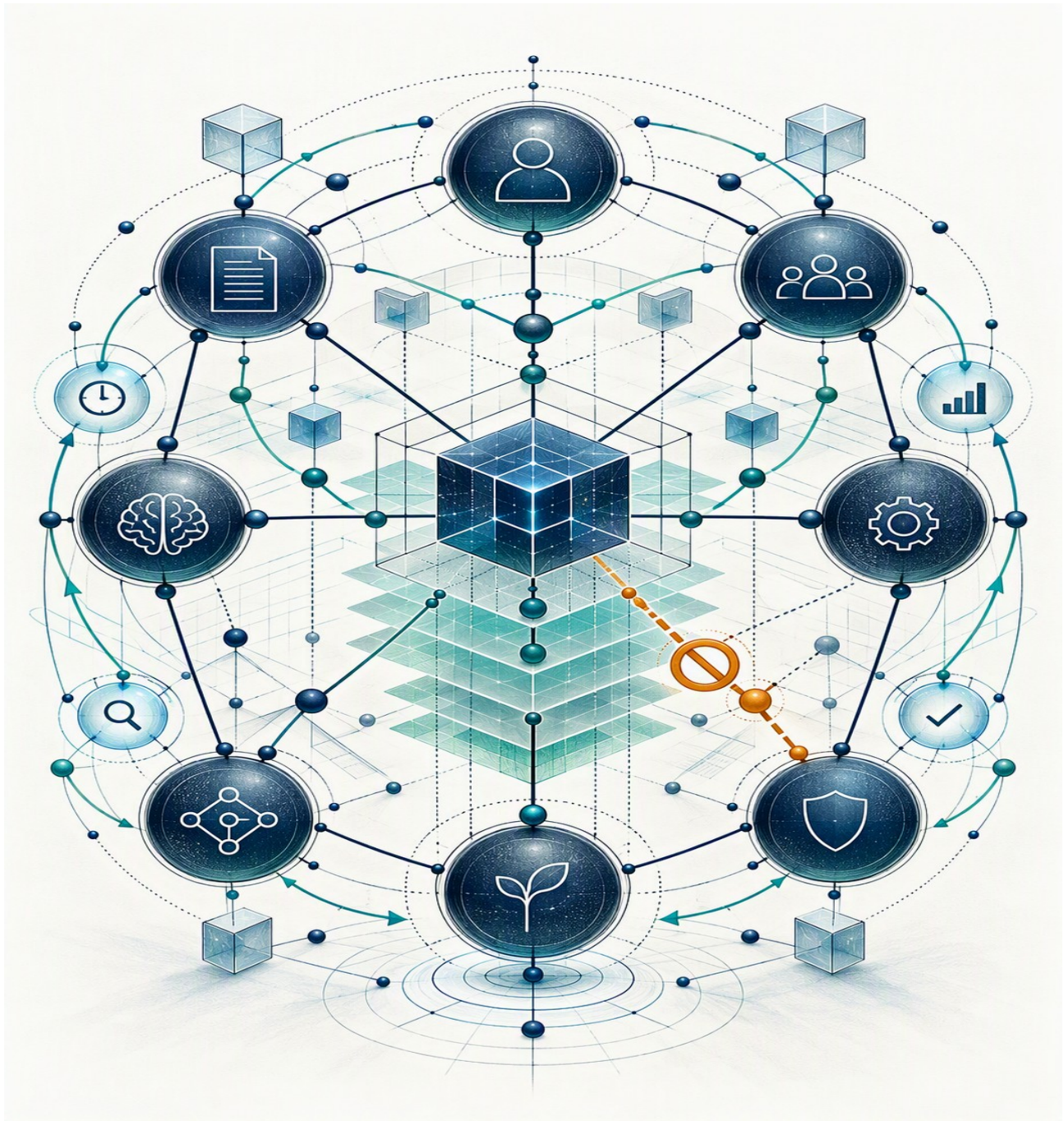


What are the core concepts, and how do they relate?

Universal Information and Relationship Architecture



Simon Owen | Empower Your World | v2.0 FINAL

Start here

Architecture fails quietly when convenient words begin to stand in for one another. Attendance becomes participation. Participation becomes Capability. Capability becomes Authority. Recommendation becomes Decision. Outcome becomes Value. Each collapse removes context, accountability or challenge.

WP06.3 is the semantic constitution. It does not require every implementation to look the same. It requires meaning to survive implementation, integration, export, Agent transformation and time without stronger claims appearing by accident.

Hold these ideas first

- Observation is not Claim.
- Capability is not Authority.
- Recommendation is not Decision.
- Outcome is not Impact or Value.
- A Domain relationship does not create permission.

A worked route through the architecture

Follow an observation about repeated delays through Evidence, Signal, Pattern, Interpretation, Hypothesis, Claim, Recommendation, Judgement, Decision and Action. At every transition preserve source, context, time, permission, alternatives and lineage.

How to read this paper

- ORIENT: understand the question and architectural position.
- UNDERSTAND: use examples, distinctions and failure modes to see why the architecture exists.
- EXPLORE: inspect the canonical structures, relationships, states, controls and lifecycle.
- REFERENCE: use definitions, invariants, provenance and validation material for precision.

Status note. The canonical architecture remains authoritative. These pages add orientation and explanation without silently replacing controlled definitions or decisions.

WP06.3

Universal Information and Relationship Architecture

The semantic constitution for the Capability Intelligence Platform

CANONICAL POSITION

WP06.3 is the canonical semantic truth source for the architecture. It defines stable entities, typed relationships, events, states, lineage, context and prohibited traversals while preserving the depth of the original ontology adjudication.

v2.0 frozen canonical architecture
Simon Owen | 21 September 2026
Internal strategic architecture

Attribute	Value
Document	WP06.3 Universal Information and Relationship Architecture
Version	v2.0
Status	Frozen canonical architecture baseline - full-depth Research Foundation integration
Owner	Simon Owen
Series position	WP06.3 of WP06.0-WP06.12
Purpose	The semantic constitution for the Capability Intelligence Platform
Formatting	FS-017 applied; visible labelled headers; 10 pt minimum body and table text
Baseline date	21 September 2026
Supersedes	v1.0 frozen baseline and v1.1 integration candidate
Change control	Future changes require practitioner validation, implementation Evidence, a downstream proof obligation or a material contradiction.
Canonical rebuild	Full-depth integration of the v1.0 frozen baseline, RS05-derived v1.1 material and cross-suite semantic ownership. New concepts are integrated within the relevant architecture sections rather than retained as addenda.
Freeze decision	WP06 v2.0 Canonical Architecture Validation Review passed Phases A-F; frozen on 21 September 2026.

Executive summary

The Capability Intelligence Platform depends on meaning remaining coherent as information passes among people, Communities, organisations, Domains, Agents and systems. WP06.3 establishes the semantic constitution that prevents one concept from silently becoming another, protects context and provenance, and enables downstream technical implementation without allowing implementation convenience to redefine architecture.

CANONICAL VALUE CHAIN

Demand → Investment → Capability → Agency → Mobilisation → Decision → Action → Outcome → Impact → Value → Learning → Renewal

1. Purpose, scope and posture

This paper is deliberately more exacting than a conventional data model. It defines the distinctions that make trust, intelligence, participation, operation and Renewal possible. It does not prescribe one database, graph product, API or physical schema. WP06.10 will interpret these semantics technically.

WP06.3 owns	WP06.3 does not own
Canonical terms, entity families, relationship meanings, state and events.	Trust policy and prohibited use, owned by WP06.2.
Identity, version, lineage and context semantics.	Intelligence operating practice, owned by WP06.4.
Semantic separation of Evidence, Claim, Decision and Value.	Human experience and journeys, owned by WP06.5.
Domain, Community, sponsorship and propagation objects.	Transition behaviour, owned by WP06.6.
Information-lifecycle and traversal rules.	Physical stores and integration, owned by WP06.10.

2. Modelling principles

- Stable identity: identifiers do not encode mutable meaning.
- Definition before instance: a definition, declaration, event, assessment, review and forecast remain distinct.
- Context before reuse: Participation Context and Domain context travel with meaning.
- Append and supersede before overwrite: history and lineage remain resolvable.
- Evidence before Claim; Authority before Action; Decision before execution; beneficiary before Value.
- Method before metric: no activated measure without an approved Method Pack.
- Relationship before inference: derived knowledge retains typed links to source and transformation.

- Time is part of meaning: observed-at, valid-from, valid-to, review-by and superseded-by are explicit.
- Uncertainty is representable: alternatives and contradictions are not data-quality defects merely because they disagree.

3. Semantic grammar

The canonical grammar is Subject × Capability × Scope × Context × Time × Evidence × Method × Confidence × Permission. A statement may still be useful when a dimension is unknown, but the missing dimension constrains interpretation and Claim ceiling.

Dimension	Question	Example
Subject	Who or what is described?	Human, Agent, team, Community, organisation or system.
Capability	Which stable definition applies?	Facilitation, risk interpretation or solution architecture.
Scope	What bounded area is covered?	One task class, role context or Domain.
Context	Where does the meaning hold?	Personal, organisational or Domain Participation Context.
Time	When was it observed and valid?	Observed on date, valid until review.
Evidence	What supports or contradicts it?	Work sample, observation, qualification or outcome.
Method	How was it produced?	Assessment, peer review or operational observation.
Confidence	How strongly may it be relied upon?	Contextual rationale and review condition.
Permission	Who may use or transfer it and why?	Visible to participant and named sponsor for one Opportunity.

4. Canonical vocabulary

4.2 Capability Health, Density and Debt semantics

Capability Health is a multidimensional condition of formation, availability, enactment, flow, challenge, stewardship, adaptation and renewal. It is represented as an evidence-bearing profile rather than a universal score. Productive Capability Density concerns valuable enacted capability relative to system size, cost or complexity. Renewable Capability Density concerns whether capability, judgement, stewardship and successor-development ability are distributed sufficiently for continuity and adaptation.

Capability Debt is the accumulated future constraint, risk and remediation cost created when a system consumes, concentrates, postpones, obscures or fails to renew capability. Debt classes include formation, absorption, practice, entrustment, stewardship, memory, succession, adaptation, judgement and relationship debt. Debt may be intentional and governed, accidental, structural or compounding.

4.1 Capability state, configuration and enactment semantics

Capability is not represented as a static possession. The architecture distinguishes a disposition that may be credible, a configuration that makes action possible, an enactment that produces observable consequence and a renewable condition that survives transfer, turnover and changing context.

A Capability Configuration is the context-specific combination of human and Agent actors, competences, tools, data, relationships, Capacity, permissions, governance and resources assembled for a valued purpose. Configuration is semantically distinct from Capacity: Capacity describes what is available and mobilisable, while configuration describes how the necessary elements are related for action.

Capability Enactment is an event or episode in which a permitted configuration acts in context and produces Evidence concerning Action, Outcome, Impact or Value. One enactment does not prove portability or renewal. Repeated enactments remain bounded by context, method, consequence and time.

Construct	Canonical meaning	Principal relationships
Competence	An attributable capacity of a person to perform a class of action to a defined level.	Held by Human; evidenced by Observation or Evidence; contextualised by Scope.
Capability disposition	Credible potential to perform when necessary conditions are present.	Supported by competence, experience, evidence and confidence.
Capability configuration	The context-specific arrangement required to act.	Comprises Actors, Capacity, tools, data, relationships, permissions and governance.
Capability enactment	A consequential episode in which a configuration acts.	Produces ActionRecord, OutcomeRecord and new Evidence.
Renewable capability	Capability that can continue, transfer, adapt and regenerate without indefinite dependence on current experts.	Supported by Learning, stewardship, succession, memory and Renewal Review.
Term		Canonical meaning
Capability		The contextual ability to create valued outcomes through knowledge, judgement, experience, relationships, tools, Agency and practice.
Capability Intelligence		A governed understanding of Capability, need, Evidence, pathways, relationships, context and change that supports better Capability Decisions.
Community		A purpose-connected propagation environment through which Learning, trust, Opportunity, leadership, stewardship and Renewal interact.

Construct	Canonical meaning	Principal relationships
Participation	Legitimate observing, learning, experimenting, contributing, challenging, deciding, helping, stewarding, pausing or exiting.	
Agency	Legitimate ability to act within understood boundaries and with appropriate support.	
Authority	Governed right to decide, approve, direct or act within a defined scope.	
Opportunity	A legitimate route to apply, deepen, test, share or receive recognition for Capability.	
Leadership	Bounded behaviour that creates Direction, Agency, Capacity, Opportunity, successors and Renewal.	
Stewardship	Ongoing care for purpose, trust, relationships, Assets, boundaries, health, challenge and succession.	
Governance	Constitutional boundaries, Decision rights, guidance, assurance, challenge, remedy and responsible enablement.	
Domain	An interrelated capability context with its own value, language, participants, pathways, measures and stewardship.	
Renewal	Governed change that preserves and expands future Capability, leadership, Opportunity and adaptability.	

5. Canonical entity families

Family	Principal canonical entities
Identity and participation	Human, Account, Organisation, ParticipationContext, Actor, AgentIdentity, ParticipationRoute.
Demand and portfolio	NorthStar, CapabilityAmbition, PersonalAmbition, DevelopmentIntent, TransformationMotion, Journey, Pathway, Module, Asset, Opportunity.
Capability and Evidence	Capability, CapabilityEvidence, Observation, EvidenceReference, ConfidencePosition, Debt, Risk.

Family	Principal canonical entities
Formation and acquisition	CapabilityFormationCase, FormationPathway, FormationCycle, FormationOutcome, CapabilityAcquisitionDecision, AcquisitionRoute.
Capacity	CapabilityDemand, CapabilitySupply, CapabilityCapacity, Constraint, Allocation, Reserve, Gap, Forecast.
Community and propagation	CommunityDefinition, CommunityParticipation, CommunityContribution, RecognitionRecord, CapabilityPropagationRecord, OpportunityPropagationRecord.
Leadership and stewardship	Sponsor, SponsorshipCommitment, LeadershipContribution, StewardshipRole, StewardshipMandate, EmbeddedStewardshipAssignment, SuccessionPlan.
Agency and mobilisation	AgencyProfile, AuthorityGrant, DelegationGrant, MobilisationPlan, OrchestrationPlan.
Intelligence	Signal, QuestionFrame, Pattern, Interpretation, Hypothesis, Claim, IntelligenceReview.
Narrative and recommendation	Narrative, Recommendation, PublicationAuthority, CorrectionRecord.
Judgement and Decision	SituationAssessment, OptionSet, TradeOffAssessment, JudgementPosition, Decision, DecisionAuthority, DecisionRecord, DecisionReview.
Action, Outcome and Value	ActionRecord, OutcomeRecord, ImpactHypothesis, ImpactObservation, ImpactContributionClaim, ValueHypothesis, ValueReview.
Domain architecture	DomainDefinition, DomainContract, DomainPack, DomainRelationship, DomainView, CompatibilityManifest, DomainHealthReview, DomainTransition.
Economics	ValueExchange, ContributionAgreement, FundingCommitment, InvestmentDecision, BenefitRecord, BurdenRecord.
Learning and Renewal	LearningRecord, Lesson, Practice, Caution, OrganisationalMemoryRecord, ChangeProposal, RenewalReview, RenewalRecommendation.

6. Intelligence ontology adjudication

Candidate	Ruling	Semantic treatment
Signal	Canonical	Governed observation of possible change, absence or emergence with attention lifecycle.
QuestionFrame	Canonical	Persistent consequential uncertainty directing sensing, challenge and Learning.
Pattern	Canonical	Reviewed recurrence or relationship across Signals with scope and exceptions.
Interpretation	Canonical	Attributable plausible meaning able to coexist with alternatives.
Hypothesis	Canonical	Testable proposition with expected and disconfirming outcomes.
Claim	Canonical	Bounded assertion linked to Evidence, scope, confidence and review state.
IntelligenceReview	Canonical	Structured challenge, validation, qualification, rejection or reopening.
Narrative	Canonical	Audience-specific account linked to Evidence and omissions.
Recommendation	Canonical	Contestable proposed route to Decision, experiment or non-action.
ConfidencePosition	Compound cross-cutting object	Explainable warranted reliance attached to a subject object.
OrganisationalMemoryRecord	Canonical	Retained context linking prior observation, judgement, consequence and Learning.
Organisational Wisdom	Derived concept	Longitudinal interpretation, never a stored Authority object.

7. Evidence, intelligence and Decision distinctions

Observation records what was noticed. Evidence is governed material capable of supporting or contradicting. Signal is an observation judged worthy of attention. Pattern relates observations. Interpretation offers provisional meaning. Hypothesis is testable. Claim is a bounded assertion. Recommendation is advice. Judgement integrates Evidence, values, constraints and consequence. Decision is an authorised choice. Action is execution.

DISTINCTION RULE

A later object may be derived from an earlier one, but derivation never erases the earlier object or silently promotes it into a stronger form.

8. Confidence, consensus and certainty

Confidence is universal but not uniform. ConfidencePosition may qualify an observation, relationship, Capability assessment, forecast, Claim or recommendation. It records rationale, supporting and contradicting Evidence, independence, recency, review conditions and consequence. Consensus and certainty remain separate attributes. High consensus may coexist with low Evidence quality; strong Evidence may remain contested.

9. Capability, Capacity, Agency and mobilisation

Construct	Meaning	Not equivalent to
Capability	Ability to create valued outcomes in context.	Qualification, activity or role.
Potential Capacity	Theoretical maximum under stated conditions.	Available time.
Available Capacity	Potential Capacity currently available.	Accessible Capacity.
Accessible Capacity	Available Capacity reachable by a context.	Agency-enabled Capacity.
Agency-Enabled Capacity	Accessible Capacity with legitimate ability to act.	Mobilised work.
Mobilisable Capacity	Capacity assemblable with dependencies and safeguards.	Action already taken.
Resilient Capacity	Mobilisable Capacity credible across disruption.	A sixth linear filter state.
Future Capacity	Forecast at a later horizon.	Current supply.
Hybrid Capacity	Emergent human-Agent system ability.	Human plus Agent arithmetic.

10. Community and propagation semantics

Community is represented through Definition, participation, Contribution, recognition, leadership, sponsorship and stewardship objects rather than one group membership flag. This prevents attendance becoming competence and popularity becoming Authority.

Object	Purpose
CommunityDefinition	Purpose, entry, norms, boundaries, stewardship and health questions.
CommunityParticipation	Contextual presence, route and state.
CommunityContribution	What was offered or created, for whom and under what conditions.
RecognitionRecord	Specific acknowledgement without permanent rank.
CapabilityPropagationRecord	Movement of Learning, practice or Capability with source and context.
OpportunityPropagationRecord	Movement or creation of credible routes to apply Capability.
SponsorshipCommitment	Specific action, beneficiary, owner, status and Evidence.
StewardshipMandate	Scope, Authority, term, accountability, challenge and succession.

11. Journey, pathway, Asset and Opportunity

Object	Meaning
Journey	Outcome-oriented progression through one or more contexts with entry, hand-offs, choice, remedy and exit.
Pathway	Governed route through which Capability may form, deepen, transfer or renew.
Module	Bounded learning, practice or experience component.
Asset	Reusable resource such as method, dataset, template, Agent, service or playbook.

Object	Meaning
Opportunity	Legitimate route to apply, deepen, test, share or receive recognition for Capability.
Invitation	Specific offer to enter an Opportunity or participation route.
Assignment	Authorised allocation of work or responsibility.

12. Domain semantic architecture

DomainDefinition, DomainContract and DomainPack remain distinct. The Definition expresses purpose and context. The Contract governs participation, Evidence, rights and obligations. The Pack configures reusable platform capability.

Object	Semantic role
DomainRelationship	Authoritative typed assertion in the canonical Mesh.
DomainView	Bounded projection selected by outcome, context, time and permission.
CompatibilityManifest	Versions, dependencies, deprecations and migration.
DomainHealthReview	Descriptive review Evidence rather than an aggregate score.
DomainTransition	Lineage-preserving Continue, Renew, Split, Merge, Absorb or Retire Decision.

13. Core relationship families

Relationship	Meaning
observed-in	Links observation or Signal to context and time.
derived-from	Preserves transformation and source lineage.
supports / contradicts	Connects Evidence to proposition.
interprets	Connects Interpretation to Signal, Pattern or context.
tests / disconfirms	Connects test or outcome to Hypothesis or Claim.

Relationship	Meaning
participates-in	Contextual participation without implying Capability.
contributes-to	Contribution linked to recipient, Asset, Community, Domain or outcome.
sponsored-by	Bounded support linked to SponsorshipCommitment.
propagates	Transfer of Capability, Opportunity, practice or stewardship.
stewarded-by	Care and accountability without ownership of people or truth.
embedded-with	Formal steward close to practice with retained independence.
depends-upon	Scoped directional dependency.
supersedes / reopens	Changes current state with preserved historical lineage.

14. Canonical loops

Loop	Progression
Learning Loop	Signal → QuestionFrame → Pattern → Interpretation → Hypothesis → Challenge → Claim or Recommendation → Judgement → Decision → Action → Outcome → Review → Learning → new Signal.
Culture Loop	Condition Observation → QuestionFrame → Culture and Pull Review → leadership, sponsorship or structural change → changed conditions.
Renewal Loop	Renewal Signal → RenewalReview → pathway, Opportunity, transfer or stewardship intervention → changed future Capacity.
Value Loop	Value Observation → Learning → portfolio Decision → Investment → Formation or Acquisition → Capacity → Mobilisation → new Value observation.

Loop	Progression
Propagation Loop	Contribution → usable Asset or practice → supported reuse → Capability Evidence → Opportunity → new Contribution or stewardship.

15. State distinctions

Concern	Required distinctions
Community	Membership, participation, Contribution, recognition, leadership, stewardship and health.
Experiment	Proposed, active, paused, concluded and institutionalised versus successful or valuable.
Domain	Lifecycle maturity versus operational availability and health.
Capability Evidence	Observation, assessment, confidence and Claim.
Sponsorship	Awareness, recognition, endorsement, protection, enablement, investment and institutionalisation.
Opportunity	Visibility, eligibility, invitation, access, acceptance and outcome.

16. Prohibited traversals

- Personal Ambition → workforce planning without explicit permitted route.
- Community participation → performance, loyalty, motivation or culture-fit inference.
- Domain relationship → automatic person visibility or Evidence portability.
- Capability Evidence → Authority without explicit mandate.
- Agent Capability → delegation or Decision right.
- Repeated citation → independent corroboration.
- Outcome → Impact or Value without method and context.
- Popularity, points or recognition → Capability Claim.
- Payment or sponsorship → ownership of Domain truth.

17. Information lifecycle, correction and portability

- Every consequential object carries purpose, context, state, version, time and lineage.
- Retention and deletion vary by object, context, right and evidential need.
- Derived objects retain input lineage and material transformations.
- Correction creates a new governed state rather than rewriting history silently.
- Exports preserve semantics, provenance and restrictions where feasible.
- Search and analytics cannot create traversals prohibited by the semantic constitution.

18. Ownership boundaries

Concern	Owner
Canonical meanings, relationships and lifecycle	WP06.3
Trust controls and prohibited use	WP06.2
Intelligence operating logic	WP06.4
Human Value and journeys	WP06.5
Propagation and transition behaviour	WP06.6
Domain activation, Mesh and lifecycle	WP06.7
Operating roles and rhythms	WP06.8
Controls and acceptance	WP06.9
Technical persistence and graph	WP06.10
Methods and Claim ceilings	WP06.11
Value exchange and economics	WP06.12

19. Semantic anti-collapse matrix

Stress-test concern	Frozen baseline resolution
Participation is not Capability	Attendance, membership, activity and Contribution remain distinct from evidenced Capability.
Capability is not Authority	Human or Agent ability does not create a right to decide, approve, direct or act.
Observation is not Claim	What was noticed remains distinct from Evidence, Interpretation, Hypothesis and bounded Claim.
Outcome is not Impact or Value	Observed change does not establish causal difference, worth, distribution or legitimacy without Method and context.
Domain relation is not permission	Relevance between Domains does not create person visibility, Evidence portability or access.
Recognition is not rank	Acknowledgement does not become a permanent level, universal score or entitlement.

Stress-test concern	Frozen baseline resolution
Recommendation is not Decision	Advice remains contestable until an authorised Decision is made and recorded.

20. Validation agenda

- Test whether independent readers distinguish Capability, Capacity, Agency and Authority.
- Test whether Community semantics prevent activity from being mistaken for competence.
- Test relationship assertion, contradiction, correction and supersession.
- Test cross-Domain views without cross-context profiling.
- Test export and portability while retaining permissions and provenance.
- Test whether technical teams can implement the model without collapsing distinctions for convenience.

21. Restored operating-model and feedback entity families

Comparison with the original source identified two mature semantic families that needed to be made explicit in the rebuilt version.

Family	Canonical entities	Why retained
Operating model and cadence	OperatingModel, OperatingPrinciple, DecisionRight, RoleDefinition, GovernanceCadence, ReviewForum, OperatingRhythm.	Allows enduring operation to be represented without embedding roles or cadence in free text.
Feedback and stewardship	FeedbackLoop, LearningLoop, CultureLoop, RenewalLoop, ValueLoop, StewardshipRole, StewardshipMandate.	Makes loops, stewardship and Renewal addressable, versioned and governable.

22. Restored intelligence and lineage relationships

Relationship	Meaning
applies-within	Bounds meaning to context, scope, population, Domain or time.
challenged-by	Retains material dissent, alternative explanation or review.
qualifies-confidence	Links ConfidencePosition to the object whose reliance it qualifies.
resulted-in	Links Decision to Action and Action to Outcome without asserting causality automatically.

Relationship	Meaning
learned-from	Links Learning to Decision, Action, Outcome, Impact, Value or Review.
retained-in-memory	Links governed historical context to OrganisationalMemoryRecord.

23. Semantic conformance questions

- Can every high-consequence Claim identify scope, Evidence, Method, confidence and review state?
- Can every derived object expose source and material transformation?
- Can context, time and permission travel through export, aggregation and Agent processing?
- Can contradictory assertions coexist until governed review?
- Can correction preserve prior state and downstream reliance?
- Can technical implementation prevent prohibited traversals rather than merely document them?

Cross-paper invariants

- Participation Context is the primary security, ownership and policy boundary.
- Capability, Agency, Authority, Mobilisation, Decision and Action remain distinct.
- Demand → Investment → Capability → Agency → Mobilisation → Decision → Action → Outcome → Impact → Value → Learning → Renewal is the canonical value chain.
- Observation, Signal, Pattern, Interpretation, Hypothesis, Claim and Decision remain distinct.
- Confidence is explainable and context-specific; it is not consensus, certainty or a universal score.
- Human or Agent Capability never creates Authority by itself.
- Personal Ambition and Development Intent do not become organisational workforce intelligence.
- Participation, activity, attendance, popularity and Contribution are not proof of Capability, motivation, alignment or Value.
- No high-consequence metric or Claim is activated without an approved Method Pack.
- Outcome is not Impact; Impact is not Value; positive outcomes do not override trust or Renewal.
- Challenge, appeal, override, remedy and recovery exist before scale.
- Capability and Opportunity must propagate together.
- Open belonging does not imply unrestricted access, Authority or assured competence.
- Renewal preserves and expands future Capability.

Confirmed WP06 architecture series

Paper	Title	Relationship
WP06.0	Introducing the Frontier Capability Organisation	Related paper

Paper	Title	Relationship
WP06.1	Capability Intelligence Platform Definition	Related paper
WP06.2	Trust, Security, Jurisdiction and Data Governance	Related paper
WP06.3	Universal Information and Relationship Architecture	This paper
WP06.4	Observatory, Intelligence and Judgement Architecture	Related paper
WP06.5	Personas, Participation and End-to-End Journey Architecture	Related paper
WP06.6	Adoption, Transition and Capability Propagation Architecture	Related paper
WP06.7	Domain Activation, Domain Mesh and Lifecycle Architecture	Related paper
WP06.8	Frontier Capability Operating Model	Related paper
WP06.9	Functional Requirements, Controls and Acceptance Architecture	Related paper
WP06.10	Platform, Integration and Technical Architecture	Related paper
WP06.11	Methods, Measurement and Assurance Architecture	Related paper
WP06.12	Ecosystem Participation, Value Exchange and Economics Architecture	Related paper