AOS-13 - Process Intelligence and operational coordination

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AOS Specifications v1.0 · Edition dated 3 November 2026

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Editorial edition - 29 October 2026: Mark authorised documentary corrections D-01-09. This edition reconciles navigation, count/revision pointers, conformance links and historical scope labels; existing technical meanings, requirement/IF/decision identities and proposed/planned status are retained. The internal version below identifies the retained functional baseline; this dated editorial edition identifies the corrected document. See the current document inventory (../Supporting-Specifications/aos-current-document-inventory-2026-10-29.md) and correction record (../Supporting-Specifications/aos-documentary-corrections-2026-10-29.md). Earlier dated adoption baselines are historical snapshots; exact logical family/view revisions are in Exchange Register §4.

Table row 1
Document control: Identifier / version / date
Value: AOS-13 / 0.2 / 9 October 2026

Table row 2
Document control: Status
Value: Functional specification review draft; proposed requirements and planned verification

Table row 3
Document control: Architecture baseline
Value: AOS-00 / Specification Mapv0.42; DEC001-096;9October2026

Table row 4
Document control: Current component baseline
Value: 01-05v0.8;10v0.4/11v0.3/12v0.3/13v0.2/14v0.8/40v0.6;20v0.5/21v0.6/22v0.4/23v0.5/24v0.3/25v0.2/30v0.5

Table row 5
Document control: Common baseline
Value: Sharedv0.18/Corev0.6/ExchangeRegisterv0.17/COORDv0.2/KPRv0.1/Profilesv0.1

Table row 6
Document control: Source / quality baseline
Value: Preserved source manifest; FP v4; RP v6; Governance Intelligence Tests; AOS-QS v0.1; template v0.4

Table row 7
Document control: Project owner / custodian
Value: Mark Sweeny

Table row 8
Document control: Accountable operating owner
Value: Process/operations owner; organisational appointment pending; each service, control and human-review duty has its own appointed owner/cover

Table row 9
Document control: Author / reviewers
Value: Codex at Mark's request; author document checks; Mark functional review pending; independent project review deferred

Table row 10
Document control: Approval / gate
Value: Existing directions govern drafting; exact requirements proposed; no whole-document approval, executed verification, G3/G4 or operating activation

Table row 11
Document control: Release scope
Value: Process functional architecture and selected repair demonstration allocation; executable organisation/supplier/profile scope not yet authorised

Table row 12
Document control: Change history
Value: 0.1 initial drafting; existing AOS-13-IF-001 preserved; no new DEC, approved schema, technology choice, numeric default or automatic deployment

1. Purpose and scope

Process Intelligence keeps authorised work coherent from its trigger to its actual outcome. It records what should happen, compares that with what happened, coordinates bounded steps and ensures that exceptions reach an accountable human. It prevents a message receipt, a completed technical task or a cancelled automation from silently being treated as an accepted duty or a completed service.

The intended outcome is a reconstructable workflow: attributable evidence → current permissions and controls → accepted responsibility where required → authorised action → observed consequence → evidenced disposition and feedback. Every unresolved effect, missing source and failed handoff retains its actual standing and an accountable route.

Scope includes versioned process definitions, instance state, conformance/coverage monitoring, pattern and obligation signals, divergence dashboards, bounded workflow execution, exception queues, technical multi-agent coordination, handoff/cover, change impact, retries/partial effects/compensation, operational memory, recovery, cross-domain service integration, own external research and supplier realisation.

Process Intelligence coordinates; it does not grant authority, redefine source evidence, decide moral priority or make reserved human decisions. 01 owns authority; 02 shared records; 03 identity/use; 04 bounded tasks/effect meaning; 05 final runtime gate, shared accounting and recovery enforcement; 10-12 domain evidence/interaction boundaries; 14 external exchange; 22 canonical synthesis; 25 oversight; 30 software support for actual human decision-makers; 40 assurance. Risk is intrinsic to this domain. Logical coordination is not a requirement to replace every existing case-management system with one central engine.

2. Authority and sources

FP v4 and RP v6 govern. Approved decisions constrain the proposed requirement wording. Book 4 explains intent; it is not current law, a supplier commitment or evidence of implemented control. Common semantic owners remain authoritative even if one platform implements several functions.

Table row 1
Key: ARCH
Exact source / locator and use: AOS-00 v0.37 §§3.1/4.2/6/9; Map §4 AOS-13; REQ-041-044/VER-019; v0.38 adds allocation only

Table row 2
Key: FP / RP / GT
Exact source / locator and use: FP v4 principles 1-10; RP v6 domains 1-9, especially closed feedback/named human layers, Mode2, explicit delegation and purpose limitation; all 29 GT tests in Appendix A

Table row 3
Key: B4
Exact source / locator and use: Book 4 Process Intelligence: Capabilities pattern detection, obligation monitoring, workflow coherence, divergence dashboard and organisational memory; Constraints edge cases, audit, fallback, coherence paradox and bias; Compliance independent oversight

Table row 4
Key: CONTROL
Exact source / locator and use: 01-05 v0.8; DEC-028-030/042-044/062-078; Control Coordination v0.2 CHECK/ACT/CHG/ACC/RSV/WHD/BRK; Protected Reporting and Recovery v0.1

Table row 5
Key: DATA
Exact source / locator and use: 02 v0.8; Core v0.6 REC-E/Q/A/D/X; Shared v0.15 §4.3 escalation and delivery/recovery; Register v0.14 KX-07/AOS-13-IF-001, KX-21, KX-26 and research views; DEC-045-048

Table row 6
Key: DOMAIN
Exact source / locator and use: 10 v0.2 REQ-013-020/032 and CON-004; 11 v0.1 REQ-017-030 and CON-003/004; 12 v0.1 human/rights/protected routes; counterpart revisions above retain all those obligations

Table row 7
Key: REPAIR / HUMAN
Exact source / locator and use: DEC-036-041; Operational Profiles §§4/5; 30 v0.5 REQ-021-033; 40 v0.5 VER-007-010/038

Table row 8
Key: GI / RESEARCH
Exact source / locator and use: Current 20-25/30; DEC-086/088-091; 04 CON-009, 02 CON-007/RSVIEW-0.1; 14 collection, component specialist assessment and 01 human amendment remain distinct

Table row 9
Key: SUPPLIER / QS
Exact source / locator and use: Mark's 8 October supplier-participation direction and build-agent/plain-language preference; AOS-QS v0.1 QS-04-28; template v0.4

2.1 External primary research checked 8 October 2026

Table row 1
Source: EXT-01
Standing / bounded implication: OMG BPMN 2.0.2 specification catalogue (https://www.omg.org/spec/BPMN/), formal process-modelling reference with normative schemas and separate examples. A candidate representation, not a selected engine or an adopted executable AOS schema. Any modelling choice must preserve AOS permissions, states and human boundaries.

Table row 2
Source: EXT-02
Standing / bounded implication: IETF RFC9110 §9.2.2 (https://www.rfc-editor.org/rfc/rfc9110.html#section-9.2.2), HTTP standard;

supports distinguishing repeated requests from safe repetition of business effects. Method semantics alone cannot prove that an external service action is reconciled or currently authorised. No HTTP transport is selected.

Table row 3
Source: EXT-03
Standing / bounded implication: NIST AI RMF Core (https://airc.nist.gov/airmf-resources/airmf/5-sec-core/), voluntary risk-management framework; GOVERN roles and MAP3.5 human oversight inform evaluation responsibilities. It does not grant AOS operating authority or provide a compliance certificate.

Book claims of perpetual full-population assurance, absence of a need for independent audits and examples implying an already-overdue legal inspection is merely a scheduling problem are not adopted. Coverage must be evidenced; independent assessment remains necessary; competent current-source profiles determine legal breach meaning. “Routine” or “clean transaction” is not a delegation rule. A workflow executes only its exact approved actions/conditions. Selected repair demonstration human expenditure/promise rules do not become universal production defaults. No ongoing monitoring/research schedule is activated by this draft.

3. Responsibilities and context

Responsibility cross-reference (DEC-094; editorial clarification, 29 October 2026): AOS-14 recognises an exchange-associated obligation and its source/context; the relevant domain steward determines substantive meaning/applicability. AOS-02 owns the common obligation-record semantics and structure/custody. AOS-13 tracks routing, accepted responsibility, fulfilment and unresolved duties. AOS-30 owns the human-workflow meaning of accepted responsibility and supports empowered human disposition/account. These are distinct responsibilities: recognition, record ownership and dispatch do not constitute human acceptance. The existing tracking owner retains the duty until explicit scoped transfer is accepted; failed delivery or exhausted cover does not create an ownerless success. Actual people, cover and response powers remain organisation-appointed prerequisites. No semantic ownership is transferred by this clarification.

Table row 1
Responsibility: Definition and instance
Process owns / authoritative counterpart: Process owner stewards purpose, steps, dependencies, states and outcome rules; 01 authorises instruments; 02 holds records; 04 bounded task semantics

Table row 2
Responsibility: Execution coordination
Process owns / authoritative counterpart: 13 requests permitted work and tracks dependency/effect state; 04 executor and 05 final gate/accounting enforce; 13 cannot issue a substitute grant or private budget

Table row 3
Responsibility: Human handoff
Process owns / authoritative counterpart: 13 retains tracker, duty scope, deadline/cover and acceptance evidence; 30 supports actual empowered humans; KX-21 distinguishes stages; KPR protected route

Table row 4
Responsibility: Domain service
Process owns / authoritative counterpart: 10 owns condition/promise/completion evidence; 11 agreed-channel communication/private boundaries; 12 workforce/human decision limits; 13 connects duties without rewriting meaning

Table row 5
Responsibility: Cross-domain conflict
Process owns / authoritative counterpart: 13 preserves technical inconsistency and routes permitted evidence; 22 prepares canonical analysis; 30 humans adjudicate moral/authority questions

Table row 6
Responsibility: Learning and oversight

Process owns / authoritative counterpart: 13 supplies current scope/divergence/outcome and definition rationale; 21 knowledge custody, 25 drift oversight, 40 independent assessment; no self-amending optimiser

Table row 7
Responsibility: Research
Process owns / authoritative counterpart: 13 tracks findings for all components but owns only its specialist process research relevance; 14 retrieves, 02 stores, 30/01 disposition/amendment

Trust boundaries include source to admitted evidence, definition to approved/applied execution, coordinator to independently enforced runtime, task to task, internal to external effect, sender to recipient/human acceptance, private/sensitive domain to permitted projection, old state to current recovered state, and technical ordering to moral judgement. Each commissioned route names role/cover/capacity; no personal recipient is invented here.

3.1 Supplier participation

Existing case/workflow/BPM tools, automation platforms, process-mining/conformance analytics, event/integration services and operational reporting can implement these logical functions. One platform can realise 13/14/30 support and parts of domain services; several products can contribute to 13. AOS does not require replacing capable supplier software or rebuilding its analytics internally.

Table row 1
Supplier offering: Case/workflow/BPM platform
Candidate fit / what must be demonstrated: Definitions/instances/accepted duties and outcomes; CON-001-003; versioned source/case master, human acceptance, exceptions and closure

Table row 2
Supplier offering: Automation/RPA/agent runtime
Candidate fit / what must be demonstrated: Bounded step execution; CON-004; exact current shared checks, attempt/effect evidence, partial result and retry reconciliation

Table row 3
Supplier offering: Process mining/conformance analytics
Candidate fit / what must be demonstrated: Coverage, divergence/patterns; CON-006; actual admitted populations, applicable definitions, uncertainty and no silent individual inference

Table row 4
Supplier offering: Integration/event services
Candidate fit / what must be demonstrated: 14/02 exchange with 13 correlation; identity/ordering/duplicates/exact versions/access and effect acknowledgement

Table row 5
Supplier offering: Operational dashboards/memory
Candidate fit / what must be demonstrated: CON-006/007; role-limited unsmoothed exceptions, current owner/state, actual outcome and historical rationale

Table row 6
Supplier offering: Service/HR/resident suites
Candidate fit / what must be demonstrated: May realise domain functions plus 13 lifecycle; source purposes/private barriers/human decisions preserved across internal product flows

Standalone/manual, API/event and combined arrangements are assessed against declared scope. Manual assistance cannot claim automatic integration. A vendor's “exactly once”,“compliant” or “case closed” label cannot replace observed AOS effect, permission, ownership or outcome evidence. Declare one authoritative source per meaning and responsibility for reconciliation; not one universally authoritative product. §18's example and §20's response matrix distinguish functional fit from executable

mapping and tested conformance.

4. Capabilities and functions

4.1 Capabilities

Table row 1
CAP: AOS-13-CAP-001
Outcome / REQ allocation: Versioned process/evidence and bounded monitoring; 001-010

Table row 2
CAP: AOS-13-CAP-002
Outcome / REQ allocation: Currently controlled execution/change/accounting; 011-015

Table row 3
CAP: AOS-13-CAP-003
Outcome / REQ allocation: Accepted human/protected handoffs and continuing duties; 016-020

Table row 4
CAP: AOS-13-CAP-004
Outcome / REQ allocation: Reconciled effects, coordination, closure and operational memory; 021-029

Table row 5
CAP: AOS-13-CAP-005
Outcome / REQ allocation: Repair and other domain/human service integration; 030-042

Table row 6
CAP: AOS-13-CAP-006
Outcome / REQ allocation: Secure correctable recoverable assurance; 043-049/056-057

Table row 7
CAP: AOS-13-CAP-007
Outcome / REQ allocation: Own specialist external research; 050-054

Table row 8
CAP: AOS-13-CAP-008
Outcome / REQ allocation: Attributable supplier realisation; 055

4.2 Functions

Table row 1
FUN: AOS-13-FUN-001 Define/activate
Trigger →inputs →behaviour/output / authority and failure: Approved process/change →exact manifest and applied acknowledgements →usable scoped definition or held gap; CON-001; CAP-001/002

Table row 2
FUN: AOS-13-FUN-002 Admit/correlate
Trigger →inputs →behaviour/output / authority and failure: Permitted event →source/identity/revision checks →instance update with lineage or explicit conflict; CON-002; CAP-001

Table row 3
FUN: AOS-13-FUN-003 Monitor/explain

Trigger →inputs →behaviour/output / authority and failure: Admitted event/time/profile trigger →actual versus intended evidence/coverage →bounded divergence/pattern/view; no complete assurance from silence; CON-006; CAP-001/006

Table row 4
FUN: AOS-13-FUN-004 Coordinate effects
Trigger →inputs →behaviour/output / authority and failure: Ready permitted step →exact request/current controls/reservations →bounded attempted/prevented/partial/actual effect; CON-004; CAP-002/004

Table row 5
FUN: AOS-13-FUN-005 Track human duty
Trigger →inputs →behaviour/output / authority and failure: Finding/blocker/rejection →permitted route/duty/cover →receipt/validation/accepted responsibility or owned exception; CON-003; CAP-003

Table row 6
FUN: AOS-13-FUN-006 Coordinate repair
Trigger →inputs →behaviour/output / authority and failure: 10 evidence +clock/profile →promise/completion classification →30 accepted owner and 11 agreed-channel contact/actual outcome; CON-005; CAP-005

Table row 7
FUN: AOS-13-FUN-007 Coordinate domain review
Trigger →inputs →behaviour/output / authority and failure: Service/people/GI/research input →purpose-scoped evidence/independent human route →accepted duty/decision/application/outcome links; CON-003/007; CAP-005

Table row 8
FUN: AOS-13-FUN-008 Reconcile/change/recover
Trigger →inputs →behaviour/output / authority and failure: Unknown effect/change/outage →current authority/use/account/evidence →selective reassessment, manual continuity and authorised continuation; all CON; CAP-004/006

Table row 9
FUN: AOS-13-FUN-009 Learn without amendment
Trigger →inputs →behaviour/output / authority and failure: Actual outcome/near miss →permitted rationale/history →bounded lesson/proposal for human change; CON-007; CAP-004

Table row 10
FUN: AOS-13-FUN-010 Research/assess supplier
Trigger →inputs →behaviour/output / authority and failure: Approved specialist trigger or supplier proposal →source/profile/evidence allocation →owned finding/gap/review; no activation from fit; CON-008/all CON; CAP-007/008

4.3 Proposed requirements and metadata

Each row is a proposed component-level obligation. Category, source and planned VER are explicit. Rationale is the relevant function's prevention of false outcomes, unowned duties, unapproved effects or concealed gaps. Owner: process/operations owner with §3 semantic/service/control stewards. Specification approver Mark; application approver empowered organisational authority. Every row has status proposed, scope 0.2 functional draft; normative obligations retained from0.1, history initial allocation 8 October 2026. Dependencies are cited §2 sources/common definitions and §§6/16/17; CAP/FUN allocations above and case contracts supply unambiguous links. An unresolved profile value is not a build default.

Table row 1
Requirement: AOS-13-REQ-001
Independently verifiable obligation: Definition: Each process definition shall identify its exact revision, purpose, scope, owner, governing instruments, permitted steps, human boundaries, exceptions and outcome/closure criteria.
Source / derivation: ARCH/Map 13; B4 Constraints; 01; QS-14
Planned VER: AOS-13-VER-001

Table row 2

Requirement: AOS-13-REQ-002
Independently verifiable obligation: Activation: A process function shall become usable only when its approved scope has compatible applied-state evidence from every required dependency.
Source / derivation: DEC-068; COORD ACT; 01/05
Planned VER: AOS-13-VER-002

Table row 3
Requirement: AOS-13-REQ-003
Independently verifiable obligation: Instance: Each workflow instance shall retain stable identity and the exact definition, source, organisation and profile revisions governing its current work.
Source / derivation: 02; 04; QS-12/19; B4 audit
Planned VER: AOS-13-VER-003

Table row 4
Requirement: AOS-13-REQ-004
Independently verifiable obligation: Evidence admission: AOS-13 shall consume domain evidence without changing its source assurance, uncertainty, event/effective time or permitted-use standing.
Source / derivation: 02 REC-E/Q; DEC-046; 10-12
Planned VER: AOS-13-VER-003

Table row 5
Requirement: AOS-13-REQ-005
Independently verifiable obligation: Coverage: Process monitoring shall disclose its observed population, period, admitted events and missing, stale or failed coverage rather than claim completeness from a quiet feed.
Source / derivation: RP5/7; B4 assurance limits; QS-18
Planned VER: AOS-13-VER-004

Table row 6
Requirement: AOS-13-REQ-006
Independently verifiable obligation: Divergence: AOS-13 shall compare observed process behaviour with the applicable exact approved definition and retain the evidence of each material divergence.
Source / derivation: B4 divergence dashboard; RP7; 02
Planned VER: AOS-13-VER-005

Table row 7
Requirement: AOS-13-REQ-007
Independently verifiable obligation: Dashboard: Divergence views shall expose permitted transaction-level exceptions, ownership, uncertainty and outcome standing through role-appropriate projections.
Source / derivation: B4 real-time assurance; 03; 22/24
Planned VER: AOS-13-VER-005

Table row 8
Requirement: AOS-13-REQ-008
Independently verifiable obligation: Pattern: Process pattern outputs shall disclose source population, comparison baseline, assumptions, coverage and uncertain implications separately from facts.
Source / derivation: B4 pattern detection; RP5/7; QS-18
Planned VER: AOS-13-VER-006

Table row 9
Requirement: AOS-13-REQ-009
Independently verifiable obligation: Obligations: Obligation monitoring shall use a competent human-approved applicability and timing profile that distinguishes governing duties from internal targets and predictions.
Source / derivation: B4 predictive compliance; 01/02; RP7
Planned VER: AOS-13-VER-007

Table row 10
Requirement: AOS-13-REQ-010
Independently verifiable obligation: No compliance certificate: AOS-13 shall not treat successful workflow execution or early-warning

prediction as proof that a legal duty or institutional governance test has been fulfilled.
Source / derivation: FP9; DEC-091; 40; B4 assurance subject
Planned VER: AOS-13-VER-007

Table row 11
Requirement: AOS-13-REQ-011
Independently verifiable obligation: Current effects: Before each consequential effect, AOS-13 shall supply the exact operation/attempt to the shared current authority, use, runtime and applicable capacity checks.
Source / derivation: DEC-067; COORD CHECK; 01/03/04/05
Planned VER: AOS-13-VER-008

Table row 12
Requirement: AOS-13-REQ-012
Independently verifiable obligation: No delegated expansion: A workflow or coordinator shall not expand an agent's authority, tools, data use or task scope merely because a parent workflow was approved.
Source / derivation: RP8/9; 04; DEC-042-044
Planned VER: AOS-13-VER-008

Table row 13
Requirement: AOS-13-REQ-013
Independently verifiable obligation: Reservations: Linked work shall use the authoritative shared cumulative-account and reservation meanings rather than local counters that can be evaded by parallel tasks, splits or retries.
Source / derivation: DEC-070; COORD ACC/RSV; 04/05
Planned VER: AOS-13-VER-009

Table row 14
Requirement: AOS-13-REQ-014
Independently verifiable obligation: Change impact: A material definition, evidence, role, permission or channel change shall identify dependent pending work and required applied acknowledgements for selective reassessment.
Source / derivation: DEC-069/089; COORD CHG; 02
Planned VER: AOS-13-VER-010

Table row 15
Requirement: AOS-13-REQ-015
Independently verifiable obligation: Revocation: Late, duplicate or out-of-order change events shall reconcile current authoritative state and shall not revive superseded permission.
Source / derivation: DEC-069; 01/03/05
Planned VER: AOS-13-VER-010

Table row 16
Requirement: AOS-13-REQ-016
Independently verifiable obligation: Tracking owner: A duty-bearing handoff shall retain an accountable tracker until an empowered human explicitly accepts its defined responsibility scope.
Source / derivation: RP1; DEC-066/075; COORD ACC; KX-21/26
Planned VER: AOS-13-VER-011

Table row 17
Requirement: AOS-13-REQ-017
Independently verifiable obligation: Acknowledgement: AOS-13 shall distinguish receipt, validation, application and human responsibility acceptance according to the exchange's required acknowledgement profile.
Source / derivation: DEC-066; KX-21; KXR-06
Planned VER: AOS-13-VER-011

Table row 18
Requirement: AOS-13-REQ-018
Independently verifiable obligation: Rejection and cover: Rejected, unaccepted, expired or unavailable human handoffs shall remain owned with approved cover/escalation rather than silently becoming successful transfer.
Source / derivation: RP1; KPR-03; 30

Planned VER: AOS-13-VER-012

Table row 19
Requirement: AOS-13-REQ-019
Independently verifiable obligation: Protected duties: Required protected findings shall retain their permitted required audience and owned delivery/acceptance duty despite suppression or an implicated normal recipient.
Source / derivation: RP8; DEC-073-075; KPR-01-03
Planned VER: AOS-13-VER-013

Table row 20
Requirement: AOS-13-REQ-020
Independently verifiable obligation: Blocker explanation: Withheld work shall carry permitted blocker reasons, uncertainty and an authorised review/service-continuity route without disclosing forbidden content.
Source / derivation: DEC-027/071; COORD WHD/BRK; 03
Planned VER: AOS-13-VER-014

Table row 21
Requirement: AOS-13-REQ-021
Independently verifiable obligation: Unknown effect: Partial or unknown external effects shall remain explicit and undergo authorised reconciliation before consequential repetition.
Source / derivation: DEC-030; COORD/KPR; 14/05
Planned VER: AOS-13-VER-015

Table row 22
Requirement: AOS-13-REQ-022
Independently verifiable obligation: Retry identity: Retries shall preserve request/attempt correlation and prior-effect evidence while obtaining fresh exact-operation checks for each new attempt.
Source / derivation: 04; DEC-028-030; Shared; EXT-02
Planned VER: AOS-13-VER-015

Table row 23
Requirement: AOS-13-REQ-023
Independently verifiable obligation: Compensation: A compensating or reversing operation shall have its own current authority/use checks and preserve the original action and actual consequence history.
Source / derivation: 01/03/04; DEC-029/030; REC-X
Planned VER: AOS-13-VER-016

Table row 24
Requirement: AOS-13-REQ-024
Independently verifiable obligation: Multi-agent coordination: Technical coordination shall declare bounded tasks, dependencies, recipient scopes and completion evidence without adjudicating incommensurable moral priorities.
Source / derivation: Map 13; 04; 22/30; FP2; RP2
Planned VER: AOS-13-VER-017

Table row 25
Requirement: AOS-13-REQ-025
Independently verifiable obligation: Concurrency: Concurrent or stale workflow workers shall not perform duplicate consequential effects or evade current shared-control and reservation scope.
Source / derivation: DEC-067/070; 04/05; QS-23
Planned VER: AOS-13-VER-018

Table row 26
Requirement: AOS-13-REQ-026
Independently verifiable obligation: Cancellation and holds: Holding or cancelling automation shall preserve known effects and separately authorised outstanding human/service duties.
Source / derivation: DEC-072/075; COORD WHD/BRK; KPR
Planned VER: AOS-13-VER-019

Table row 27
Requirement: AOS-13-REQ-027
Independently verifiable obligation: Closure: Workflow closure shall require its defined outcome evidence and empowered disposition of outstanding obligations rather than equate terminal technical state with completed service.
Source / derivation: RP1/4; 10-12/30; DEC-066/075
Planned VER: AOS-13-VER-020

Table row 28
Requirement: AOS-13-REQ-028
Independently verifiable obligation: Operational memory: Process history shall preserve the exact definition rationale, changes, source/effect evidence and actual outcomes under governed access and lifecycle.
Source / derivation: B4 organisational memory; 02/21; DEC-047
Planned VER: AOS-13-VER-021

Table row 29
Requirement: AOS-13-REQ-029
Independently verifiable obligation: No automatic optimisation: A learned pattern or improvement proposal shall not change governing definitions, thresholds, priorities or permissions without authorised amendment and applied activation.
Source / derivation: DEC-018/068/086; 01; B4 coherence paradox
Planned VER: AOS-13-VER-021

Table row 30
Requirement: AOS-13-REQ-030
Independently verifiable obligation: Promise comparison: The repair comparison shall use the resident-communicated completion commitment and approved date/time meaning supplied by 10/02, separately from internal targets.
Source / derivation: DEC-036; 10 REQ-013/014; ARCH REQ-041-044
Planned VER: AOS-13-VER-022

Table row 31
Requirement: AOS-13-REQ-031
Independently verifiable obligation: Verified incomplete: After the promised boundary, evidenced outstanding promised work shall generate the approved overdue-incomplete human route.
Source / derivation: DEC-036/040; 10; Profiles; ARCH REQ-042/043
Planned VER: AOS-13-VER-022

Table row 32
Requirement: AOS-13-REQ-032
Independently verifiable obligation: Unverified completion: Unknown completion after the promised boundary shall generate “completion unverified after promised date” with an owned verification escalation rather than definite incompletion.
Source / derivation: DEC-039; 10 REQ-017; 40 VER-008
Planned VER: AOS-13-VER-023

Table row 33
Requirement: AOS-13-REQ-033
Independently verifiable obligation: Promise exception: Missing or contradictory communicated promise evidence shall produce an owned evidence exception without an invented deadline or grace period.
Source / derivation: DEC-036/037; 10; 02; RP7
Planned VER: AOS-13-VER-023

Table row 34
Requirement: AOS-13-REQ-034
Independently verifiable obligation: Promise changes: Authorised communicated promise revisions shall preserve the original promise and breach history without automatically closing an existing escalation.
Source / derivation: DEC-037; 10 REQ-015; 11 REQ-025
Planned VER: AOS-13-VER-024

Table row 35
Requirement: AOS-13-REQ-035

Independently verifiable obligation: Repair scope and dispute: Partial or disputed repair evidence shall retain completed/outstanding scope and human dispute resolution without contractor flags or resident silence establishing completion.
Source / derivation: DEC-038/040; 10 REQ-016-019; 11 REQ-026
Planned VER: AOS-13-VER-024

Table row 36
Requirement: AOS-13-REQ-036
Independently verifiable obligation: Repair human ownership: The repair workflow shall obtain explicit empowered human responsibility and approved named-owner/accountable-team cover through 30.
Source / derivation: ARCH REQ-043/044; 30 REQ-021-033; RP1
Planned VER: AOS-13-VER-025

Table row 37
Requirement: AOS-13-REQ-037
Independently verifiable obligation: Resident contacts: AOS-13 shall coordinate 11's permitted agreed-channel delivery of current named-owner and accountable-team contact details and retain failed communication duties.
Source / derivation: ARCH REQ-044; DEC-041; 11 REQ-017-024
Planned VER: AOS-13-VER-025

Table row 38
Requirement: AOS-13-REQ-038
Independently verifiable obligation: Repair outcome: Repair-workflow closure shall preserve actual completion evidence, accepted human disposition, communication standing and any residual dispute or service obligation.
Source / derivation: DEC-038-040; 10/11/30; RP1/4
Planned VER: AOS-13-VER-026

Table row 39
Requirement: AOS-13-REQ-039
Independently verifiable obligation: Complaint and service: Service request, complaint response and outstanding repair/remedy actions shall remain distinct linked duties so a response or complaint does not silently end service work.
Source / derivation: 11 REQ-027-030; 13 remit; 30
Planned VER: AOS-13-VER-027

Table row 40
Requirement: AOS-13-REQ-040
Independently verifiable obligation: People handoff: People concerns, development proposals and rights requests shall use 12's permitted evidence and independent human routes without becoming automatic employment decisions.
Source / derivation: 12 REQ-005-007/029/030/032; 30; RP2/9
Planned VER: AOS-13-VER-028

Table row 41
Requirement: AOS-13-REQ-041
Independently verifiable obligation: Governance/research handoff: Governance and specialist research findings shall preserve distinct component reviewer duties, human disposition and separate amendment/activation standing.
Source / derivation: 20-25/30; DEC-086; RSVIEW-0.1
Planned VER: AOS-13-VER-029

Table row 42
Requirement: AOS-13-REQ-042
Independently verifiable obligation: Cross-domain boundaries: Coordination shall preserve source-purpose and audience restrictions, including resident private content and workforce sensitive/individual-inference boundaries.
Source / derivation: 03; 11/12; RP9; DEC-050/088
Planned VER: AOS-13-VER-030

Table row 43
Requirement: AOS-13-REQ-043
Independently verifiable obligation: Correction and lifecycle: Workflow records and derived/restored views shall apply governed correction, restriction, retention and deletion without erasing actual past effects or hiding deleted content.

Source / derivation: 02/03; DEC-047/089; KPR
Planned VER: AOS-13-VER-031

Table row 44
Requirement: AOS-13-REQ-044
Independently verifiable obligation: Security: AOS-13 shall treat tool/source/model instructions as untrusted content rather than new authority and enforce organisation/task/recipient boundaries through approved controls.
Source / derivation: 01/03/04/05; DEC-014; RP8/9
Planned VER: AOS-13-VER-032

Table row 45
Requirement: AOS-13-REQ-045
Independently verifiable obligation: Continuity: When workflow infrastructure or evidence fails, AOS-13 shall disclose coverage and effect uncertainty and support the approved human/manual continuity route.
Source / derivation: 05; B4 failure/fallback; KPR
Planned VER: AOS-13-VER-033

Table row 46
Requirement: AOS-13-REQ-046
Independently verifiable obligation: Recovery: Recovered coordination shall establish current authority/use/configuration/lifecycle and reconcile effects/reservations before scoped continuation.
Source / derivation: DEC-076-078; KPR-04-06; COORD; 05
Planned VER: AOS-13-VER-033

Table row 47
Requirement: AOS-13-REQ-047
Independently verifiable obligation: Evaluation: Probabilistic pattern, routing or interpretation claims shall use a human-approved task/population/error rubric and remain separate from deterministic enforcement results.
Source / derivation: QS-18; 04; 40; B4 bias/novelty
Planned VER: AOS-13-VER-034

Table row 48
Requirement: AOS-13-REQ-048
Independently verifiable obligation: Audit: Consequential workflow evidence shall reconstruct trigger, exact inputs, actor, checks, applied rules, human decision, action and actual consequence without private chain-of-thought.
Source / derivation: RP7; QS-19; REC-E/Q/A/D/X
Planned VER: AOS-13-VER-035

Table row 49
Requirement: AOS-13-REQ-049
Independently verifiable obligation: Compatibility: Each process producer and consumer shall declare exact common contract/view/profile versions and reject or hold unsupported meaning rather than silently coerce it.
Source / derivation: DEC-065; 02; Register v0.14; QS-12
Planned VER: AOS-13-VER-035

Table row 50
Requirement: AOS-13-REQ-050
Independently verifiable obligation: Research profile: AOS-13 external adaptation research shall use an approved component-owned specialist profile and common research meanings through permitted 14 retrieval.
Source / derivation: DEC-086; 04 CON-009; 02 CON-007
Planned VER: AOS-13-VER-036

Table row 51
Requirement: AOS-13-REQ-051
Independently verifiable obligation: Research finding: Own research findings shall distinguish verified source standing/dates, specialist interpretation and exact affected process-specification elements.
Source / derivation: DEC-086; 14; RSVIEW-0.1
Planned VER: AOS-13-VER-036

Table row 52
Requirement: AOS-13-REQ-052
Independently verifiable obligation: Research coverage: Own research runs shall expose actual complete, partial, failed or unperformed coverage and bound no-finding claims to their searched perimeter.
Source / derivation: DEC-086; 04/02 §6.6
Planned VER: AOS-13-VER-037

Table row 53
Requirement: AOS-13-REQ-053
Independently verifiable obligation: Research human review: Material own research findings shall have an accepted empowered reviewer or an owned unresolved handoff with approved cover/escalation.
Source / derivation: DEC-086; 30; COORD ACC
Planned VER: AOS-13-VER-038

Table row 54
Requirement: AOS-13-REQ-054
Independently verifiable obligation: Research amendment: Own research acceptance or source publication shall not amend process controls, expand sensing or activate changed execution without authorised change and verification.
Source / derivation: DEC-086/018; 01; COORD ACT
Planned VER: AOS-13-VER-038

Table row 55
Requirement: AOS-13-REQ-055
Independently verifiable obligation: Supplier realisation: Each supplier implementation scope shall maintain a versioned capability-to-requirement/contract allocation with actual conformance evidence or owned gaps/dependencies.
Source / derivation: Mark 8 October supplier direction; QS-11/12/21/26
Planned VER: AOS-13-VER-039

Table row 56
Requirement: AOS-13-REQ-056
Independently verifiable obligation: Independent assurance: AOS-13 shall expose permitted monitoring evidence and limitations for independent assessment while preserving that the monitoring/execution system is itself an assurance subject.
Source / derivation: B4 Compliance; 40; DEC-091; GT
Planned VER: AOS-13-VER-040

Table row 57
Requirement: AOS-13-REQ-057
Independently verifiable obligation: No forced fit: An instance outside the approved process model shall produce an owned divergence rather than be forced into a nearest template that conceals material circumstances.
Source / derivation: B4 coherence paradox; RP5/6; 04
Planned VER: AOS-13-VER-040

4.4 External research and specification adaptation

Inherit 04 CON-009 and 02 CON-007/RSVIEW-0.1 unchanged. 13's coordination of other research handoffs is separate from its own specialist external research and from internal process monitoring.

Table row 1
Profile element: Remit/baseline
Component-owned allocation: Exact 13 revision; workflow/modelling/coordination, service handoffs, distributed effects/retry/recovery, conformance/coverage, process analytics/novelty, bias and operational memory; exact affected elements

Table row 2
Profile element: Developments/sources

Component-owned allocation: Primary workflow/protocol/security/standards/research/incident and applicable service/regulatory sources; version/jurisdiction/effective standing explicit; source admission/currentness through 14

Table row 3
Profile element: Assignment/triggers
Component-owned allocation: Process owner appoints bounded agent/shared service and approves cadence/event triggers/coverage; no schedule/tool expansion activated; ISS-006

Table row 4
Profile element: Controls
Component-owned allocation: 14 retrieval; 01/03/04/05 purpose/tool/data/runtime limits; licensing/access constraints; no private/sensitive domain data merely for research, no source-instruction execution or calibration

Table row 5
Profile element: Evidence/assessment
Component-owned allocation: Publication/event/access/effective dates/status; verified content versus interpretation; exact affected CAP/FUN/REQ/CON; alternatives/uncertainty/materiality/urgency and cross-component effects

Table row 6
Profile element: Coverage/quality
Component-owned allocation: Complete/partial/failed/unperformed, bounded no-finding; approved relevance/fidelity/false-missed finding rubric; actual search perimeter and limitations

Table row 7
Profile element: Human review/change
Component-owned allocation: Accepted reviewer/window/cover/escalation; accepted/rejected/deferred/unresolved with reasons; separate 01 amendment, verification/applied activation and actual outcome

Table row 8
Profile element: Records/adoption
Component-owned allocation: Common exact profile/run/finding/disposition views; 02 custody, 14 collection, 13 duty tracking, 30 disposition, 01 amendment; deduplication/correction/lifecycle/impact meanings inherited

Normal: approved trigger →permitted verification →specialist relevance/implications →finding/bounded no-finding →accepted human disposition →separate amendment/verification/activation →outcome. Degraded: failed/denied/stale/conflicting/partial source keeps actual coverage; unresponsive reviewer uses approved cover; urgent live consequences use separately permitted human response while amendment pending. VER-036-038 covers the eight required research dimensions. Shared findings have separately accepted component duties; collection/delivery is not review completion.

5. State model

Every transition identifies object/revision, actor, current authority, event/effective time, evidence and resulting scope. Profile deadlines can create expiry/owned exception; they never fabricate successful effect or human acceptance. Terminal technical state and continuing service duty are separate.

Table row 1
Object: Definition
States / entry and transition / closure: Draft →authorised scope →compatibility/application pending →usable exact scope →held/superseded/retired. Approval alone not usability; new restriction blocks affected effects even during partial activation.

Table row 2
Object: Instance
States / entry and transition / closure: Received/identity unresolved →admitted →ready/running/waiting source or human →held/exception/reconciliation →outcome pending →evidenced disposition or technically cancelled/failed with residual duty.

Table row 3
Object: Attempt/effect
States / entry and transition / closure: Prepared →checked/reserved where applicable →prevented/dispatched →observed applied/partial/not applied/unknown →reconciled; new attempt needs current checks; compensation independent.

Table row 4
Object: Handoff
States / entry and transition / closure: Prepared/submitted/received/validated →empowered human acceptance of exact duty →in progress →actual disposition/outcome; rejected/partial/unresponsive retains tracker/residual cover.

Table row 5
Object: Repair
States / entry and transition / closure: Promise unresolved or established; comparison not-yet-due/evidenced overdue-incomplete/completion unverified after date/date exception; partial/disputed/completed evidence distinct; human escalation/communication/residual duty tracked independently.

Table row 6
Object: Change/recovery
States / entry and transition / closure: Impact identified →required acknowledgements pending →applied/no material dependency/unresolved; recovered isolated →current scope/effects reconciled →authorised continuation or held.

Table row 7
Object: Research/lesson
States / entry and transition / closure: Common research states; operational lesson/proposal is not amendment approval or activation.

6. Semantic contracts and interfaces

Preserve AOS-13-IF-001 for escalation/lifecycle meaning in Shared §4.3 and Register KX-07. CON views complement it; they do not replace common definitions or create an approved IF family. 02 owns record/acknowledgement structure, 01 authority, 03 use, 04 task/effect semantics, 05 runtime/account enforcement, source domains their evidence, 30 human decision support and 14 external exchange.

Table row 1
CON: AOS-13-CON-001 Process definition/application
Producer →consumer / minimum meaning / failure and authority: Authorised owner/01/05/dependencies →13/02/executors: exact scope/revision/purpose/steps/states/conditions/source instruments/human boundary, closure/fallback rules, rationale and compatible actual applied manifest; unapplied/unknown meaning not usable

Table row 2
CON: AOS-13-CON-002 Instance/event
Producer →consumer / minimum meaning / failure and authority: Permitted domain/source/02/runtime →13→02/executors/reviewers: stable case/request/event/attempt identities, definition/profile/version, source assurance, time/standing, dependencies/pending work, current state/effects/residual duties; duplicates/order do not redefine truth

Table row 3
CON: AOS-13-CON-003 Escalation/accepted duty
Producer →consumer / minimum meaning / failure and authority: 13/domain/control finding →permitted 30/human/recipient; stage result →13/02: existing 13-IF-001/KX-07, KX-21 and KX-26/WHD meaning; exact duty/source/limits, tracker, recipient/role/power, deadline/cover, receipt/validation/application/responsibility and residual rejected/unresolved scope; KPR protected route

Table row 4
CON: AOS-13-CON-004 Controlled work/effect
Producer →consumer / minimum meaning / failure and authority: 13 →04/05/shared controls/external route 14; result →13/02: exact task/request/attempt/arguments/actor/current source vector, authority/use, CHECK/applied configuration, shared account/reservations, observed prevented/applied/partial/unknown effect and reconciliation; no private copy of grant or account semantics

Table row 5
CON: AOS-13-CON-005 Repair/service coordination
Producer →consumer / minimum meaning / failure and authority: 10/02 evidence +30 human scope →13↔11/14/service source: original communicated promise/precision/scope/revisions, completion rule/work/inspection/dispute standing, comparison classification, accepted owner/team cover, permitted both-contact communication result, actual outcome/residual duty; domain meanings unchanged

Table row 6
CON: AOS-13-CON-006 Monitoring/divergence
Producer →consumer / minimum meaning / failure and authority: 13/02 admitted observation →permitted service/22/24/25/40: population/period/coverage, exact intended definition versus observed transaction, source/assurance/uncertainty, baseline/rubric/interpretation, owner/remedy/outcome and suppressed/unobserved scope; no completeness/legal pass inferred

Table row 7
CON: AOS-13-CON-007 Outcome/memory/change
Producer →consumer / minimum meaning / failure and authority: Execution/humans/domain stewards →13/02/21/25/30: actual consequences, approved human rationale, definition history/lesson/proposal, change impacts/applied acknowledgements and residual duties; governed lifecycle; no self-amendment

Table row 8
CON: AOS-13-CON-008 Own research
Producer →consumer / minimum meaning / failure and authority: Assigned specialist/14/13 →02/30/01/affected owners: common RSVIEW-0.1 profile/run/finding/disposition plus exact process implications; actual coverage/reviewer duties/change standing explicit

Every exchange identifies stable entity/object/revision IDs, organisation/actor/role/purpose/audience, exact common view/profile, source assurance, event/admission/effective time and actual status. Units and comparison precision are explicit. Missing/invalid/unsupported fields remain rejected/unresolved, not guessed favourable values. Ordering applies only within declared scopes; no global total order or atomic external effects presumed. Duplicates do not create independent evidence or repeatable permission. Receipt, validation, actual application, human responsibility and actual effect stay distinct; information-only exchanges require only their declared stages, no invented human acknowledgement for every record and no recursive acknowledgement loop.

Revocation/correction identifies dependent pending work; consequential retry reconciles effects/current checks. Exact field types, enumerations/cardinalities, source/case-master mappings, time/freshness, duplicate keys/retry/fencing/service limits and transport remain approved executable gates, not local replacements for shared semantics.

6.1 Supplier integration ownership

Each arrangement declares authoritative definition/source/case master and which product/role enforces each control and maintains each mapping. Agree exact API/view/profile versions, identity/time/units, read/write/command rights, authentication/transport/ordering/acknowledgement, duplicate/retry/revocation/effect-reconciliation, availability/capacity/human cover and lifecycle/provider/exit arrangements before dependent build/activation. Product-internal exchange does not remove observable permission/acceptance/effect evidence. 13 coordinates final gate checks; 05 enforces them. An implementation must not substitute local state for authoritative shared accounts or permissions.

7. Authority and decision boundaries

Technical readiness is not organisational permission. Each step needs exact current authority/use and applied runtime/control evidence. 04 supplies bounded task/effect semantics; 05 enforces final checks and cumulative capacity. 13 schedules/coordinates under those constraints; it cannot grant, raise a budget or release a brake merely to clear its queue.

Mode1 routing/order/defined comparisons can be automated within approved instruments. Human Mode2, value trade-offs, welfare/consent conflicts, substantive employment decisions, repair promise/scope/disputed closure and other reserved decisions

remain human. 22 prepares canonical cross-domain interpretation; 30 supports empowered humans. Technical multi-agent coordination cannot silently determine moral priority. 04 task delegation still applies to every child/context; parent approval is not an unbounded grant.

Stop or cancellation affects its exact automation scope, not all human/legal/service duties. Compensation and resumption have independent authority/use checks. Explain constraint meaning, basis and route by default under DEC-027; reviewed necessary privacy/security/feasibility restriction limits disclosure, not enforcement. Protected audience/continuing duties remain independently permitted under KPR. No new emergency powers, inference or boardroom observation is granted.

8. Reasoning principles applied

FP1 ties workflow to purpose; FP2 reserves incommensurable judgement; FP3 requires independent enforced controls; FP4 makes actual steps/reasons legible; FP5/6 require uncertainty/edge/failure paths; FP7 protects credible service and challenge; FP8 retains human constitutional authority; FP9 separates purpose-led design from legal validation; FP10 requires cumulative/concurrent/cross-domain assessment. Technical contributions do not establish whole-principle/institutional passes.

Table row 1
RP v6 domain / thematic locator: 1 Architecture/closed feedback/named human layers
Application / cases: VER-011/012/020/025-029; tracker until actual accepted duty/outcome

Table row 2
RP v6 domain / thematic locator: 2 Modes/permanently human/protected space
Application / cases: VER-008/017/028/029; coordination cannot make moral/employment/board decisions

Table row 3
RP v6 domain / thematic locator: 3 1+5/intrinsic risk/safety/Golden Thread
Application / cases: VER-007/013/022-028; source-domain safety and human routes retained

Table row 4
RP v6 domain / thematic locator: 4 Options/actual state/consequence feedback
Application / cases: VER-015/016/020/021/026; attempt, proposal and actual effects distinct

Table row 5
RP v6 domain / thematic locator: 5 Blind spots/perimeter/coherence paradox
Application / cases: VER-004/006/034/040; quiet monitoring and non-modelled cases explicit

Table row 6
RP v6 domain / thematic locator: 6 Ethics/telos/no-exit/purpose drift
Application / cases: VER-013/014/027/028/030; continued service/protected duty and human review

Table row 7
RP v6 domain / thematic locator: 7 Radical transparency/uncertainty
Application / cases: VER-003/005/007/035; source, time, definition, reasons and limits reconstructable

Table row 8
RP v6 domain / thematic locator: 8 Explicit/contextual delegation/required audience
Application / cases: VER-008-014/017/038; exact current powers and protected accepted handoff

Table row 9
RP v6 domain / thematic locator: 9 Sensing/source-purpose boundaries
Application / cases: VER-006/028/030-032; operational data not private profiling or individual surveillance

Appendix A allocates all 29 GT tests. Material conflicts remain evidenced and referred; no institution-wide favourable result is inferred from smooth process execution.

9. Data, privacy and disclosure

Workflow correlation creates new access/inference opportunities, but no new rights. Maintain 03 source-purpose and audience restrictions at each intake, processing, tool and disclosure boundary. Use permitted projections, not full resident private conversations or general sensitive-worker records. Derived dashboards/memory inherit restrictions and lifecycle; role-appropriate views disclose necessary limits without exposing protected substance.

Operational timing/workload/error evidence must not drift into individual emotional/vulnerability/productivity surveillance. Human-provided/confirmed context follows DEC-088, not inference from silence/activity. A resident's channel agreement and selected sharing remain distinct from organisation permission. Worker/refusal/rights/protected-source boundaries from 12 persist in coordinated cases. Aggregate/process insight cannot excuse unlawful source processing.

Govern retention/correction/restriction/deletion across source logs, derived views, indices, exports/backups/restoration. Minimal permitted disposition evidence is not a licence for hidden sensitive payload. Required protected reporting uses its independently verified minimal route; diagnostics cannot bypass it. Private chain-of-thought is not required. Genuine professional/human challenge can proceed even when automated evidence is absent.

10. Behaviour and workflows

10.1 General authorised workflow

Trigger →admit exact scoped evidence →bind applicable definition/profile/instance →assess readiness and uncertainty →perform exact current controls →coordinate permitted step →observe actual effect →obtain required recipient/human acceptance →track residual duties →apply actual outcome/closure rule →feedback/owned lesson. A ready queue item with unavailable permission remains held, with continuing permitted human/service route. A terminal worker result is only technical evidence for its defined scope.

10.2 Selected overdue-repair demonstration

Use synthetic repair R, original resident-communicated commitment P, promised scope S, named owner O and accountable repairs team T.10/02 supply authoritative promise/precision/timezone, revision/communication evidence, repair-specific completion rule and work/inspection/dispute evidence. 13 owns comparison and accepted-duty tracking; 30 supports actual human ownership; 11 owns current agreed-channel resident delivery. B denotes the approved comparison boundary, not a new grace period. Date-only commitments become past due only when the promised date has ended in the approved organisation timezone; exact-time commitments retain their precision.

Table row 1
Evidence/time condition: Promise missing/contradictory
13 classification and permitted next step: Owned promise-evidence exception; no invented date or definite lateness

Table row 2
Evidence/time condition: Before or at B with no established breach
13 classification and permitted next step: No overdue-incomplete classification; ordinary permitted repair tracking continues

Table row 3
Evidence/time condition: After B, evidenced outstanding promised work
13 classification and permitted next step: Overdue-incomplete; approved human escalation/cover and 11 communication duty

Table row 4

Evidence/time condition: After B, completion cannot be established
13 classification and permitted next step: Completion unverified after promised date; owned verification escalation under DEC-039, not definite incomplete/complete

Table row 5
Evidence/time condition: Acceptable on-time completion evidence
13 classification and permitted next step: No overdue-repair alert from that comparison; actual outcome retained

Table row 6
Evidence/time condition: Acceptable completion after B
13 classification and permitted next step: Work now completed within evidenced scope; original lateness/breach and residual escalation duties retained

Table row 7
Evidence/time condition: Partial scope or disputed closure
13 classification and permitted next step: Preserve completed/outstanding/disputed evidence; apply incomplete rule where established, otherwise verify; human dispute/scope route, no silent closure

OriginalP/internal target/revised P2 are separate. Only authorised human revision plus resident communication gives P2 commitment standing; original/breach retained. A split/scope change cannot erase promised work. New promise does not automatically close escalation. Contractor flag alone and resident silence cannot establish completion.

13 maintains tracker until empowered human accepts exact duty; 30 supplies actual named-owner/team cover. 11 provides both current contacts through agreed authorised channels; failed/unknown delivery and missing owner stay owned. Sending details, accepting responsibility and completing the repair are separate. Approved retries reconcile effects and current channel/use; no unilateral alternate contact. Closure needs repair-specific actual evidence, human disposition and explicit residual duty/challenge standing. Actual condition/work outcome returns to 10 and permitted 11/30/25 review.

10.3 Other service, people and governance work

11 request/complaint input →13 distinct linked service/response/remedy duties →accepted human owner/cover →permitted communication →actual remedy/outcome. Complaint response does not end outstanding repair. 12 people/rights/protected concern →exact permitted evidence →independent empowered human review →actual reasoning/action/outcome; no automated personnel judgement. GI/research findings →separate component reviewer duties →canonical/human disposition →01 amendment and applied activation where needed; shared retrieval/delivery not all-duty completion.

10.4 Change, partial effect and recovery

Changed definition/evidence/permission →material impact/current sources →affected pending step held/reassessed →required acknowledgements of actual application/no dependency/unresolved →only compatible scope continues. Late events never revive old permission. Partial/unknown effect →observe target/ledger under permitted scope →authorised reconciliation →fresh check for retry or separately authorised compensation →actual residual duty/outcome. Restore isolated state under 05/KPR, establish authoritative currentness/completeness, apply restrictions/lifecycle and reconcile effects/accounts before authorised scoped continuation. No claimed atomic external transaction or global exactly-once guarantee.

11. Failure, escalation and recovery

Missing/conflicting evidence withholds dependent favourable claims/effects and creates an owned source/service exception. Lost event/clock/feed/broker/model exposes affected coverage; approved manual service/tracking continues. Human absence/rejection uses approved cover and explicit duty tracking; no acceptance from timeout. If normal and protected reporting paths fail, retain owned unresolved duty and approved human fallback without expanding disclosure.

Unknown outcome is not confirmed failure or safe repetition. Reconcile actual external effects/reservations before retry; each attempt/compensation/resumption has current exact checks. Cancelled technical work retains separately authorised service duties and historic effects. An exceptional novel case is divergence, not nearest-template success.

Recovery requires isolated candidate state, current 01/03/04/05/02 evidence, restrictions/deletions and known/unknown effects reconciled, then scoped release. Protected backups may still be stale/incomplete. Continuation cannot revive revoked permissions or erase a failed process/compliance/service duty. Compliance-critical failures need owned cause/related-instance review and actual remedy; restoring a service alone does not establish root-cause resolution.

12. Evidence, provenance and audit

Consequential records link trigger, source/assurance/scope, definition/profile/instance/request/attempt, actor/current authority/use/applied configuration/reservation/checkpoint, applied rule/model output, human assessment, observed prevented/partial/actual effect, intervention, accepted duty and outcome/residual. Include event/admission/effective time, units, uncertainty, coverage, source correction and lifecycle/audience references.

02 owns custody; process steward definition/instance meaning; 04/05 task/control/effect/account evidence; domains source meaning; 30 human decision support. Original evaluation and later enforcement are distinct. Generated explanations cannot prove prior checks or human judgement. Capture applied rules/output/approved human rationale, not private chain-of-thought. Operational memory retains permitted rationale and actual context without hindsight rewriting. Independent 40/25/human review treats 13 as both an evidence producer and an assurance subject.

13. Security and operational requirements

05 owns independent runtime/final effects/accounting. 13 adds demonstrable case/attempt correlation, task/destination isolation, current-definition application, stale/coordinator concurrency handling, owned queues/cover, permitted event/replay processing and manual continuity. Hostile source/tool/model instructions cannot create tasks/tools/rights beyond approved scope. Source compromise/quarantine preserves visible coverage and approved human duties.

Owners commission exact clocks/precision, currentness/fencing, queue/deadline/cover/capacity, reservation units/groups, ordering/duplicate/retry/reconciliation, availability/recovery/lifecycle and analytical evaluation profiles. No default response time, grace, pass percentage, capacity or transport is invented. Deterministic comparison/enforcement is assessed separately from probabilistic pattern/routing interpretation. Approved task/population/error rubric covers false/missed divergences, novel cases, coverage, fidelity, bias/unequal service effects and provider changes. Critical control failures cannot average away. Concurrent/cumulative and longitudinal effects require evidence beyond a single smooth run.

14. Invariants

Table row 1
INV: AOS-13-INV-001
Invariant / REQ / VER: Coordination creates no powers; 011/012/024 →008/017

Table row 2
INV: AOS-13-INV-002
Invariant / REQ / VER: Delivery is not accepted human responsibility; 016-018 →011/012

Table row 3
INV: AOS-13-INV-003
Invariant / REQ / VER: Unknown effect is not permission to retry; 021-023 →015/016

Table row 4
INV: AOS-13-INV-004
Invariant / REQ / VER: Cumulative bounds cannot be evaded by splitting/concurrency; 013/025 →009/018

Table row 5
INV: AOS-13-INV-005
Invariant / REQ / VER: Unknown completion after B remains unverified; 032/033/035 →023/024

Table row 6
INV: AOS-13-INV-006
Invariant / REQ / VER: Terminal automation is not completed service; 026/027/038/039 →019/020/026/027

Table row 7
INV: AOS-13-INV-007
Invariant / REQ / VER: Process optimisation/research cannot self-amend; 029/054 →021/038

Table row 8
INV: AOS-13-INV-008
Invariant / REQ / VER: Quiet monitoring/technical success is not complete independent assurance; 005/010/056/057 →004/007/040

15. Conformance and acceptance

All claims are unsubstantiated planned claims. None of the cases is executed. Later records identify exact versions/fixtures, date/environment, method, assessor, observed evidence/limits and findings/accepted owner/remedy/retest. Blocked/not-performed/inconclusive differ from failed/passed. Document walkthrough establishes logic review only, not implementation enforcement or actual institutional judgement.

Table row 1
CR: AOS-13-CR-001
Bounded proposed claim: Definition/evidence/bounded monitoring
REQ / cases: 001-010; VER-001-007

Table row 2
CR: AOS-13-CR-002
Bounded proposed claim: Current controls/change/accounting
REQ / cases: 011-015; VER-008-010

Table row 3
CR: AOS-13-CR-003
Bounded proposed claim: Accepted protected handoffs/continuing duties
REQ / cases: 016-020; VER-011-014

Table row 4
CR: AOS-13-CR-004
Bounded proposed claim: Reconciled coordination/effects/closure/memory
REQ / cases: 021-029; VER-015-021

Table row 5
CR: AOS-13-CR-005
Bounded proposed claim: Domain service/human integration
REQ / cases: 030-042; VER-022-030

Table row 6
CR: AOS-13-CR-006
Bounded proposed claim: Secure recoverable evidence/independent assurance

REQ / cases: 043-049/056-057; VER-031-035/040

Table row 7
CR: AOS-13-CR-007
Bounded proposed claim: Own research
REQ / cases: 050-054; VER-036-038

Table row 8
CR: AOS-13-CR-008
Bounded proposed claim: Supplier realisation
REQ / cases: 055; VER-039 and declared functional cases

Common prerequisites: fixed exact source/component/common manifest; approved isolated synthetic fixtures/destinations or explicitly labelled walkthrough; competent assessors; approved role/authority/use/applied-definition/channel/handoff/continuity/time/account profiles and expected-result rubric where relevant. Missing prerequisites mean blocked/not-performed. Methods combine component/integration boundary tests with competent human review. Evidence includes fixture truth/expected outputs, actual ordered inputs/checks/outputs/effects, versions, human scoring/rationale, coverage and findings/remedy/retest. Actual control/duplicate/prevention observations are required for enforcement claims; model refusal and dashboard colour do not prove enforcement.

AOS-13-VER-001 - Process definition and ownership

Requirements: AOS-13-REQ-001. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Versioned synthetic process, permitted steps/roles/outcomes and missing human boundary or governing rationale.

Procedure: Inspect definition fields, owners and sources; attempt activation with an unspecified material rule.

Expected result: Missing consequential semantics are owned build gaps; no interpretation by guesswork.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Process/authority human assessors; CON-001.

AOS-13-VER-002 - Applied activation

Requirements: AOS-13-REQ-002. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Approved new definition with one incompatible/unapplied dependency and separately valid unaffected function.

Procedure: Collect actual application acknowledgements; attempt dependent execution and then authorised compatible activation.

Expected result: Affected function held until compatible applied evidence; unaffected valid scope can continue; approval/receipt not application.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Control/platform/process assessors; CON-001/004.

AOS-13-VER-003 - Instance and evidence identity

Requirements: AOS-13-REQ-003, AOS-13-REQ-004. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Duplicate/reordered source events, two organisations, revised process and uncertain domain evidence.

Procedure: Admit and correlate instances; round-trip exact source/definition standing; try latest-arrival truth/permission.

Expected result: Stable identity/revisions/uncertainty preserved; no cross-organisation scope or silent source reinterpretation.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Data/domain/process assessors; CON-002.

AOS-13-VER-004 - Monitoring coverage

Requirements: AOS-13-REQ-005. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Observed/omitted transaction populations, stale/missing feeds and a quiet monitoring period.

Procedure: Compute declared coverage; display gaps; attempt full-population assurance from absent alerts.

Expected result: Scope/time/event loss explicit; quiet feed not complete monitoring or safety.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Operations/assurance assessors; CON-006.

AOS-13-VER-005 - Divergence dashboard

Requirements: AOS-13-REQ-006, AOS-13-REQ-007. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Actual versus intended step/time/outcome, conflicted evidence and role-limited audiences.

Procedure: Detect/display transaction exception with source/definition/owner; attempt a smoothed favourable aggregate hiding it.

Expected result: Material divergence visible to permitted responsible role with uncertainty/standing; no suppressed exception from aggregation.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Process/service/privacy assessors; CON-006.

AOS-13-VER-006 - Pattern and comparison

Requirements: AOS-13-REQ-008. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Permitted process population, changing baseline, subgroup gaps and uncertain correlations.

Procedure: Produce findings; vary assumptions; request causal blame or certainty beyond evidence.

Expected result: Pattern/observation distinct; population/baseline/coverage/limits explicit; no individual surveillance inference.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Process/model/privacy assessors; CON-006.

AOS-13-VER-007 - Obligation timing and claims

Requirements: AOS-13-REQ-009, AOS-13-REQ-010. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Human-approved statutory/contractual/internal timing profiles, changed applicability and unverified completion.

Procedure: Evaluate each distinct profile; seed an overdue obligation and future/draft source; attempt compliance certification from workflow success.

Expected result: Timing/standing not conflated; breach/uncertainty referred under exact profile; no grace or legal pass invented.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Competent obligation/legal/service assessors; CON-001/006.

AOS-13-VER-008 - Exact effect and delegation

Requirements: AOS-13-REQ-011, AOS-13-REQ-012. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Approved parent workflow, changed step arguments/recipient, revoked child permission and valid exact-operation control receipt.

Procedure: Attempt each effect at actual final gate; inspect current 01/03/04/05 checks and actor/task scope.

Expected result: Parent approval does not grant changed/child powers; denied/unresolved effects prevented; each actual attempt checked.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Authority/use/runtime assessors; CON-004.

AOS-13-VER-009 - Shared cumulative accounting

Requirements: AOS-13-REQ-013. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Parallel tasks, split requests/retries/provider changes and authoritative 05 account/reservations.

Procedure: Reserve/consume/reconcile common scope; try independent counters and duplicate capacity consumption.

Expected result: No budget evasion or double consumption; shared current account/effect evidence authoritative; values from approved profile.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Runtime/agent/process assessors; CON-004.

AOS-13-VER-010 - Change and event ordering

Requirements: AOS-13-REQ-014, AOS-13-REQ-015. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Permission/channel/definition/evidence change during pending work, late duplicate event and no-material-dependency branch.

Procedure: Identify impacts/owners; request application acknowledgements; attempt obsolete-effect execution and old-permission revival.

Expected result: Affected work reassessed/held as required; actual applied/unresolved/no-dependency standing distinct; valid unrelated work not blanket frozen.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Control/data/process assessors; CON-002/004.

AOS-13-VER-011 - Tracker and acceptance

Requirements: AOS-13-REQ-016, AOS-13-REQ-017. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Duty-bearing handoff, receipt/validation/application messages and empowered human accepting only part of scope.

Procedure: Record stages, attempt tracker relinquishment at delivery, capture exact human acceptance and residual duty.

Expected result: Tracker persists until accepted defined responsibility; partial residual owned; stage does not imply later stage.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Workflow/human-service assessors; CON-003; KX-21/26.

AOS-13-VER-012 - Rejection, absence and cover

Requirements: AOS-13-REQ-018. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Unresponsive/rejecting/unavailable primary human, approved team cover and failed cover route.

Procedure: Expire approved response window, route cover/escalation, separate accepted and unaccepted duty.

Expected result: No silent handoff success; current tracker/cover/residual owner and evidence remain explicit.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Human-workflow/service assessors; CON-003.

AOS-13-VER-013 - Protected finding

Requirements: AOS-13-REQ-019. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Suppression instruction, implicated recipient and simultaneous ordinary/protected route failure.

Procedure: Use independently permitted minimal protected route; track actual delivery/acceptance and last approved human fallback.

Expected result: Required audience duty cannot quietly disappear; no broader disclosure power; compound failure remains owned.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Protected-reporting/privacy assessors; CON-003; 40 VER-021.

AOS-13-VER-014 - Withheld work and continuing service

Requirements: AOS-13-REQ-020. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Denied/unavailable authority or capacity, required resident update and forbidden sensitive explanation.

Procedure: Hold dependent effect, produce permitted reason/review route, continue separately authorised service/reporting duty.

Expected result: Enforcement not waived; blocker understandable within restrictions; stop automation not stop all human service.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Control/privacy/service assessors; CON-003/004.

AOS-13-VER-015 - Unknown effect and retry

Requirements: AOS-13-REQ-021, AOS-13-REQ-022. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus External step applied with lost response, partially applied step and confirmed-not-applied variant.

Procedure: Reconcile observed target/effect before retry; preserve request and new attempt identity; recheck current permissions.

Expected result: Unknown not automatically failed/safe-to-repeat; no duplicated consequence; attempt history and fresh checks retained.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect

observations and accepted human judgement; Execution/exchange/process assessors; CON-004; 40 VER-023.

AOS-13-VER-016 - Compensating action

Requirements: AOS-13-REQ-023. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Original actual effect, proposed reversal, revoked reversal rights and irreversible residual consequence.

Procedure: Seek independent authority/use for compensation; execute only permitted variant; inspect original/history/residual duty.

Expected result: Compensation does not erase original or create rollback permission; irreversible effects and outstanding duties remain explicit.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Authority/execution/human assessors; CON-004/007.

AOS-13-VER-017 - Technical coordination and moral boundary

Requirements: AOS-13-REQ-024. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Several bounded agents/dependencies, conflicting task results and incommensurable human priorities.

Procedure: Coordinate permitted work/joins, inspect each delegated scope, refer conflict rather than resolve by technical score.

Expected result: Technical ordering not moral authority; missing/contradictory results visible; source purposes/Mode2 boundaries retained.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Agent/process/governance assessors; CON-002/004.

AOS-13-VER-018 - Concurrent/stale workers

Requirements: AOS-13-REQ-025. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Two workers racing an effect, stale lease/state and shared reservation/current-check evidence.

Procedure: Inject concurrent dispatch/recovery, reconcile already attempted effects and enforce accepted runtime ownership/fencing profile.

Expected result: No duplicate consequence or split accounting; stale coordinator cannot grant effects; no universal exactly-once claim inferred.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Platform/execution/process assessors; CON-004.

AOS-13-VER-019 - Hold, cancel and residual duties

Requirements: AOS-13-REQ-026. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Pending multi-step case with completed/unknown effects and continuing service obligations.

Procedure: Hold/cancel automation under authority, reconcile completed effects, retain human duties and attempt blind resumption.

Expected result: Automation terminal/held state not service closure; exact residual owners/effects visible; resumption separately checked.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Control/human-service assessors; CON-002/003/004.

AOS-13-VER-020 - Outcome-based closure

Requirements: AOS-13-REQ-027. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Technical success, actual service outcome, unresolved dispute/handoff and authorised negative disposition.

Procedure: Apply exact closure rule; attempt closing on last task/message; record actual human disposition/outcome and residual obligations.

Expected result: Only defined evidence/disposition supports closure; failure/cancellation can end technical path while service duty remains.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Service/process/human assessors; CON-002/007.

AOS-13-VER-021 - Operational memory and improvement

Requirements: AOS-13-REQ-028, AOS-13-REQ-029. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Old/current definition rationale, outcome/near miss, permitted lesson and proposed automatic parameter optimisation.

Procedure: Trace historical decision basis/effect; prepare improvement; attempt deploying it without amendment/applied activation.

Expected result: History/rationale retained under lifecycle; pattern is proposal not authority; hindsight not rewritten as prior reasoning.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Process/knowledge/authority assessors; CON-007.

AOS-13-VER-022 - Repair promise boundary and incomplete work

Requirements: AOS-13-REQ-030, AOS-13-REQ-031. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Communicated promise P/internal T, approved date-only timezone or exact time, before/at/after boundary B and evidenced outstanding work.

Procedure: Apply approved comparison; reject internal target substitution/grace; send permitted overdue route only after boundary.

Expected result: No overdue-incomplete at/before B; after B evidenced incomplete routes to human; correct source/time meaning retained.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Repairs/time-profile/process assessors; CON-005; 10 VER-010/011/015.

AOS-13-VER-023 - Repair unknown/date exceptions

Requirements: AOS-13-REQ-032, AOS-13-REQ-033. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus t>B with no acceptable completion evidence, separate missing/conflicting promise and established on-time/late completion.

Procedure: Classify each variant; route verification/date evidence exception; preserve history when late completion later arrives.

Expected result: Unknown is completion unverified after promised date; missing promise not fabricated lateness; on-time not overdue; late completion preserves breach without asserting work still incomplete.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Repairs/data/process assessors; CON-005; 10 VER-013/014; 40 VER-008.

AOS-13-VER-024 - Repair revision, partial scope and dispute

Requirements: AOS-13-REQ-034, AOS-13-REQ-035. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Authorised communicated P2 versus internal reschedule, partial task scope, contractor closed flag, silence and contested completion.

Procedure: Preserve original/breach; require human/communication for revision/scope changes; route disputed/unverified evidence without auto-closure.

Expected result: New promise cannot erase escalation/history; partial scope remains incomplete; contractor flag/silence alone not completion.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Repairs/human/resident assessors; CON-005; 10 VER-012/013/015/016; 11 VER-013.

AOS-13-VER-025 - Repair ownership and both contacts

Requirements: AOS-13-REQ-036, AOS-13-REQ-037. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Named owner O, accountable team T, current verified contacts/agreed channel, owner absence and failed resident delivery.

Procedure: Obtain 30 exact accepted duty/cover; coordinate 11 both contacts through checked channel; retain duplicate/failure/unaccepted exceptions.

Expected result: Both actual contacts delivered when available; missing owner not fabricated; cover/unresolved duty remain tracked; delivery not human acceptance or completed repair.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Repairs/resident/human-workflow assessors; CON-003/005; 11 VER-010-012; 40 VER-007/009.

AOS-13-VER-026 - Repair closure and feedback

Requirements: AOS-13-REQ-038. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Actual work/inspection completion evidence, human disposition, delivered contacts, residual dispute and callback/new concern.

Procedure: Apply repair-specific rule, close only authorised evidenced scope, retain breach/residual duties and return actual consequence to 10/11/30.

Expected result: Actual outcome and communication separate; disputed/residual work not silently lost; callback handled as linked evidence/new duty as appropriate.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Repairs/service/process assessors; CON-005/007; 10 VER-018; 40 VER-010.

AOS-13-VER-027 - Complaint and outstanding service

Requirements: AOS-13-REQ-039. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Service request with complaint, human complaint response/remedy offer and outstanding repair/remedy tasks.

Procedure: Track linked duties and permitted 11 response, continue service action and inspect closure attempt on response alone.

Expected result: No duplicate complaint barrier or stopped repair; response/remedy offer not actual remedy; remaining duties/owners visible.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect

observations and accepted human judgement; Complaint/resident/workflow assessors; CON-003/005; 11 VER-014/015.

AOS-13-VER-028 - People and rights routes

Requirements: AOS-13-REQ-040. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus 12 capability/rights/protected concern with permitted evidence, implicated normal reviewer and proposed automatic personnel action.

Procedure: Coordinate independent accepted human review, preserve 12 scope/standing and compare proposal versus actual human decision.

Expected result: No automated employment judgement or sensitive-data expansion; accepted independent human duty/outcome reconstructable.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; People/privacy/human-workflow assessors; CON-003; 12 VER-004/005/020/022.

AOS-13-VER-029 - Governance and shared research duties

Requirements: AOS-13-REQ-041. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus One finding relevant to several components, separate specialist reviewers and pending human amendment.

Procedure: Track per-component duties/acceptance, canonical analysis/decision links and independent correction/amendment status.

Expected result: Shared collection/delivery not completion of every review; approval/board decision/application and research disposition remain distinct.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Research/GI/human assessors; CON-003/007/008.

AOS-13-VER-030 - Cross-domain privacy

Requirements: AOS-13-REQ-042. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Unshared resident chat, sensitive workforce record, ordinary case data and proposed join/individual inference.

Procedure: Route only exact permitted projections; attempt coordination-based rights inheritance and privacy override.

Expected result: Private/sensitive/inference barriers enforced; workflow orchestration not blanket access; minimal protected evidence preserved.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Privacy/security/domain assessors; all CON.

AOS-13-VER-031 - Record correction and lifecycle

Requirements: AOS-13-REQ-043. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Corrected source, permission change, derived dashboard/history, deleted content and restored copy.

Procedure: Map material dependencies, apply selective restriction/correction/deletion and preserve actual effect/disposition standing.

Expected result: No hidden deleted payload, blanket freeze or rewritten past consequence; current restriction survives derived/restored state.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Data/privacy/process assessors; CON-002/006/007.

AOS-13-VER-032 - Hostile instructions and isolation

Requirements: AOS-13-REQ-044. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Injected event/tool/model instruction, changed destination and two organisation/task scopes.

Procedure: Attempt bypass/tool expansion at actual controls, preserve permitted incident evidence and valid unaffected operation.

Expected result: No unauthorised effect/cross-scope leak; source content grants no powers; failure owned without excess sensitive logs.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Security/control/process assessors; all CON.

AOS-13-VER-033 - Outage and recovery

Requirements: AOS-13-REQ-045, AOS-13-REQ-046. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Lost broker/workflow/model/feed, manual case continuity, stale recovered authority/use/configuration and unknown effects/reservations.

Procedure: Expose coverage, continue approved human route, restore isolated state, establish authoritative currentness/completeness and reconcile before scoped release.

Expected result: No phantom success or revived permission; effects/accounts/duties reconciled; manual continuity retained and restart authorised.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Platform/control/service assessors; CON-002/003/004; 40 VER-022.

AOS-13-VER-034 - Analytical quality and unequal effects

Requirements: AOS-13-REQ-047. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Approved pattern/routing task/population/rubric, critical errors, omitted cases, provider change and distributional service impacts.

Procedure: Evaluate representative/adversarial and changed-baseline cases independently of supplier claims; inspect false/missed/biased interpretations.

Expected result: Quality evidence bounded; enforcement not rescued by accuracy average; unequal effects/novelty limits exposed and human remedy owned.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Independent competent model/process/service assessors; CON-006.

AOS-13-VER-035 - Audit and common compatibility

Requirements: AOS-13-REQ-048, AOS-13-REQ-049. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Exact common manifest, unsupported version, deterministic/checkpoint and human action records, retrospective explanation.

Procedure: Round-trip views and reconstruct trigger-to-outcome; reject unsupported meaning; compare prior evidence with generated narrative.

Expected result: One shared meaning/standing; actual checks/human actions evidenced; no private chain-of-thought or hindsight proof.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Data/audit/process assessors; all CON; 40 VER-025.

AOS-13-VER-036 - Own research remit/source standing

Requirements: AOS-13-REQ-050, AOS-13-REQ-051. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Approved process research profile, shared researcher and relevant workflow/retry development; draft/future/wrong-jurisdiction/stale/conflicting source.

Procedure: Retrieve through 14, verify dates/standing, assess exact affected 13 obligations and distinct component impacts.

Expected result: Specialist relevance/uncertainty explicit; source verified not automatically adopted; shared collection does not discharge own review.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Process/research/competent source assessors; CON-008.

AOS-13-VER-037 - Own research coverage/hostile source

Requirements: AOS-13-REQ-052. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Partial/denied/failed retrieval, bounded no-finding and instruction to expand tools/change workflow.

Procedure: Run variants; assess relevance/fidelity/false-missed rubric; attempt execution of source instructions.

Expected result: Actual coverage/gaps retained; no-finding scoped; source text grants no permission or amendment.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Research/security assessors; CON-008.

AOS-13-VER-038 - Own research reviewer/change

Requirements: AOS-13-REQ-053, AOS-13-REQ-054. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Urgent material finding, unavailable reviewer/cover, accepted proposal and unapproved amended process.

Procedure: Track receipt versus acceptance/escalation, support separately permitted urgent human response, attempt premature deployment.

Expected result: Owned review persists; disposition/amendment/verification/activation separate; no new sensing/calibration/execution from finding.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Research/authority/human-workflow assessors; CON-008.

AOS-13-VER-039 - Supplier participation

Requirements: AOS-13-REQ-055. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Hypothetical case/BPM/workflow, automation, process-mining and integration products in standalone/API/combined configurations.

Procedure: Map exact requirements/control/source/case-master ownership; run evidence-to-accepted-human-to-action-to-outcome walkthrough and inspect unsupported fields/hidden handoffs.

Expected result: Existing tools may realise several functions; each declared obligation has actual scoped evidence or owned gap; no product certification or implicit authority.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Process/data/privacy/exchange/service assessors; all CON.

AOS-13-VER-040 - Independent assurance and edge of model

Requirements: AOS-13-REQ-056, AOS-13-REQ-057. Method: component/integration boundary test and competent human review; walkthrough only until implementation/fixtures exist.

Preconditions / inputs: Common §15 prerequisites plus Non-modelled novel case, quiet feed, monitoring self-report and independent human oversight/effect evidence.

Procedure: Refuse forced template fit, produce owned divergence, compare independent assessment and actual coverage/controls.

Expected result: Monitoring system remains assurance subject; gaps/novelty visible; no full-population/independent assurance from self-report.

Evidence / assessor / counterpart: Common actual run evidence plus exact case-specific meanings, transitions, control/effect observations and accepted human judgement; Independent competent process/governance assessors; CON-006/007; 40 VER-027/028.

16. Dependencies

Drafting uses approved directions and logical common/domain meanings. Build requires exact executable process definitions/schemas/source mappings, required acknowledgement/human duties, time/completion/closure/control/account profiles, fixture/rubric, concurrency/effect-reconciliation and enforced boundaries. Activation additionally needs appointed process/service/control/independent human owners, cover/capacity, permitted channels/private/sensitive routes, actual compatibility/evaluation/continuity/recovery evidence and scoped release. Operations require current instruments/application/evidence, accepted duties, outcomes, incident/root-cause review, lifecycle and governed research.

01-05/02/10-12/14/20-25/30/40 retain authoritative responsibilities. Process engines, transport/schema/model/supplier choices, legal applicability, timers/freshness/retries/fences, limits/grouping, resident agreement/human cover and research/evaluation values are unresolved organisation/build profiles, not invented defaults. HACT preferred-reference status does not automatically define every process event or approve a licence. 10-12 counterpart revisions add logical 13 links; exact endpoints and observed runtime adoption remain gates.

17. Issues and controlled unknowns

All are open dependencies with high confidence that the need exists; organisation-specific values/adequacy are unassessed. Recording an issue does not resolve it or authorise execution.

Table row 1
ISS / type: AOS-13-ISS-001 dependency
Description/source/affected capability: Exact process/domain/common schemas, IF-001/view/API mappings and supplier/source/case-master ownership; §6/all CAP
Owner / evidence / gate / disposition: Process/data/exchange owners; versioned mappings/round-trip/control evidence before affected build; open

Table row 2
ISS / type: AOS-13-ISS-002 dependency
Description/source/affected capability: Definition/closure/time/promise/completion/handoff/cover/continuity profiles and actual human capacity; CAP-001/003/005
Owner / evidence / gate / disposition: Service/process/30/domain owners; approved instruments/fixtures and accepted routes before affected build/activation; open

Table row 3
ISS / type: AOS-13-ISS-003 dependency

Description/source/affected capability: Current-state/application/impact/concurrency/fencing/reservations/grouping/effect observation/retry/compensation mechanisms; CAP-002/004/006
Owner / evidence / gate / disposition: 01-05/13/platform owners; exact shared profiles and adversarial/concurrent observed evidence before effects; open

Table row 4
ISS / type: AOS-13-ISS-004 dependency
Description/source/affected capability: Legal/obligation/source applicability and purpose/privacy/lifecycle/protected paths; CAP-001/003/005/006
Owner / evidence / gate / disposition: Competent legal/service/privacy/protected owners; current-source mapping/permitted routes and actual restrictions before compliance/activation claims; open

Table row 5
ISS / type: AOS-13-ISS-005 dependency
Description/source/affected capability: Analytical tasks/populations/benchmarks/quality/bias/provider choices and independent/longitudinal assurance; CAP-001/006
Owner / evidence / gate / disposition: Process/model/40/qualified independent humans; approved rubric and actual scoped outcomes before claims; open

Table row 6
ISS / type: AOS-13-ISS-006 dependency
Description/source/affected capability: Own research assignment/triggers/coverage/reviewer windows/cover/rubric; CAP-007
Owner / evidence / gate / disposition: Process/research/14/30 owners; approved common profile and VER-036-038 evidence before research activation; open

Table row 7
ISS / type: AOS-13-ISS-007 dependency
Description/source/affected capability: Supplier realisation/source sufficiency and actual evidence after current row allocation, Mark review, whole-set reciprocal compatibility and bounded release evidence; CAP-008/all CAP
Owner / evidence / gate / disposition: Mark/source/40/qualified owners; exact response/disposition/manifest/executed scope before readiness; independent project review deferred; open

No issue permits weakening protected duties, moral/human boundaries or source-purpose restrictions. Unknown exact mechanisms require gap resolution before dependent effects, not plausible build-agent invention.

18. Implementation guidance - non-normative

A versioned process graph/state machine can represent definitions/conditions/human steps; an event/case log can preserve source/attempt/outcome links. A durable duty queue can distinguish receipt from empowered acceptance. Workflow/saga patterns may help reconcile multi-step external effects, but compensation is a separately authorised action, not a guaranteed atomic rollback. No framework, broker, engine or transport is selected.

18.1 Worked supplier example

An existing repairs case-management platform receives 10's controlled promise/completion evidence through an integration service. It realises 13's comparison/duty lifecycle while the supplier's process analytics exposes observed deviations/coverage. A task runner executes only permitted steps through the shared 04/05 controls; the case platform cannot authorise effects just because it can call an API.

After B, evidenced outstanding work-or a separately classified unknown completion-creates the appropriate human duty. 30 supplies accepted named owner/team cover; an existing resident messaging/app service realises 11's agreed-channel both-contact delivery. Inspection/work later establishes actual 10 outcome; the case platform applies the authorised closure rule and retains any dispute/residual communication/service duty. If a tool applies an effect but its response is lost, the coordinator

reconciles actual state before retry rather than creating a second work order or message.

One suite may provide case, analytics, automation and resident interfaces; several suppliers may share the arrangement. Each declares authoritative records, control locations and actual evidence. The example is a candidate mapping, not product selection or certification. Standalone/manual scope is permitted when explicitly declared and cannot claim automated-service conformance.

19. Traceability and change

§2 source/approved decision →§4 CAP/FUN/REQ →§5 states/§6 CON →§14 INV →§15 VER →future exact executed evidence. Every REQ has planned VER and each case names its REQs. Existing 13-IF-001 and common semantic owners/statuses retained. DEC-067-072 maps current checks/application/impact/accounting/withholding/release to 011-026 and related cases. ARCH REQ-041-044/VER-019, DEC-036-041 map to 030-039, VER-022-027, CON-003/005, consuming exact 10/11 evidence and 30 human scope. 12 human/rights/protected routes link REQ-040/VER-028. DEC-086 maps 050-054/VER-036-038; Mark supplier direction maps 055/VER-039 and §20.1.

0.1 initial drafting 8 October 2026. Architecture/Map v0.38; 10 v0.3/11 v0.2/12 v0.2 add reciprocal 13 references without changing their REQ/VER wording/IDs. 40 v0.5 adds exact assembled domain/Process links and planned VER-038; no case execution. Common/source/DEC statuses unchanged. Definition improvement requires permitted human amendment, impact review, verification and compatible applied activation; no automatic parameter tuning or deployment.

20. Build and operational handover

This handover supplies functional responsibilities, stable sources/requirements/contracts/states/cases and owned prerequisites. It is not an executable API specification or current permission to build/deploy unresolved controls. A selected slice needs exact machine-readable definition/schema/profile/source/control mappings, appointed roles/cover/capacity, fixture/rubric and actual enforcement/handoff/outcome evidence, permitted destinations/data lifecycle, manual continuity/effect reconciliation/recovery and release/rollback/stop authority.

The selected repair demonstration is bounded: 10 promise/completion evidence, 13 comparison/tracking, 30 accepted human owner and 11 agreed-channel contacts. Explicit exclusions may defer other analytics/domain capabilities, but cannot waive core controls, approved promise/unknown-completion rules or continuing safety/service duties. Full functional domain drafts now exist; source allocation, reciprocal commissioned mechanisms/implementation and independent/executed assurance are still separate work.

20.1 Supplier response matrix

Complete one row per exact applicable REQ/revision. Record product/service/configuration/version; direct/configured/integrated/outside-scope contribution; met/partial/not-met/not-assessed with actual evidence; common/source/control/case-master owner; gap/dependency/responsible party and remedy/build/activation gate. “Met” requires scoped accepted evidence, not an API or feature name. Outside supplier scope requires another named party or explicit release exclusion without waiving governing duties.

Table row 1
Requirement group: Definition/monitoring 001-010
Supplier contribution: Case/BPM/model/analytics functions
Evidence / remaining integration questions: Exact approved/applied definitions, source/instance/coverage, role-appropriate divergence and bounded obligation claims

Table row 2
Requirement group: Shared controls/change 011-015

Supplier contribution: Runner/integration/control coordination
Evidence / remaining integration questions: Exact final checks, applied state, shared accounts/reservations and impact/current-state evidence

Table row 3
Requirement group: Human/protected handoffs 016-020
Supplier contribution: Queues/case/human support
Evidence / remaining integration questions: Defined tracker/accepted scope, staged acknowledgements, cover/required audience and continuing duties

Table row 4
Requirement group: Effects/coordination/closure 021-029
Supplier contribution: Orchestration/retry/memory
Evidence / remaining integration questions: Partial/unknown effect reconciliation, current retry/compensation, concurrency/holds/actual outcome and human-authorised improvement

Table row 5
Requirement group: Repair/domain integration 030-042
Supplier contribution: Service/CRM/domain suites
Evidence / remaining integration questions: Exact promise/unknown/partial/dispute meaning, accepted owner/both contacts, complaint/People/GI duties and purpose barriers

Table row 6
Requirement group: Operation/assurance 043-049/056-057
Supplier contribution: Lifecycle/security/recovery/analytics/evidence
Evidence / remaining integration questions: Actual restrictions/effects, current recovery, quality/coverage, independent review and novel-case handling

Table row 7
Requirement group: Own research 050-054
Supplier contribution: Specialist contribution or outside scope
Evidence / remaining integration questions: Common run/finding/reviewer/change and actual coverage evidence

Table row 8
Requirement group: Supplier allocation 055
Supplier contribution: Versioned implementation/responsibility manifest
Evidence / remaining integration questions: Requirement-level response/evidence/owned gaps, exact compatibility/exit/change impacts

Agree exact API/schema/authentication/time/acknowledgement/service/lifecycle detail before dependent build/activation. This matrix supports item 12a supplier alignment and procurement discussions; it makes no purchase, product certification or release approval.

21. Review and findings

Author checks cover 21 template sections, 57 proposed requirements/40 planned cases, stable IDs, reciprocal REQ-VER allocation, all 29 GT contributions, supplier mapping/example/response matrix and owned unknowns. No execution, independent assessment or G3/G4. Specification-quality conclusion: structured functional draft with controlled prerequisites. Design-adequacy conclusion: author review finds scope consistent with source-domain evidence, current shared controls, explicit accepted duty, human judgement and actual outcomes; Mark's review and commissioned/executed evidence remain outstanding.

Next: apply supplier consideration to AOS-14's next revision and perform an author five-domain/common-contract consistency and source-allocation review. This is separate from deferred independent project review. Item 9 operating adoption, item 8 remaining annex/execution coverage, pilot 5b and item 6 implementation/commissioning remain open. No whole-suite build readiness is inferred from all five domain drafts existing.

Component summary

AOS-13 coordinates authorised work and tracks what actually happened. It preserves source meaning, obtains current shared checks, retains duty until accepted human responsibility, and distinguishes technical status from service outcome. Retries/changes/recovery do not create powers or erase effects. Existing supplier tools may realise these functions while common controls and humans retain their authoritative roles.

Appendix A - All 29 Governance Intelligence Tests

All institutional statuses are not assessed. The board with competent human assessment owns institutional conclusions; Process/service stewards own only evidence contributions. Protected deliberation remains unobserved by AI; missing evidence is a gap, not a favourable answer.

Table row 1
Test / controlled title: M1.1 Strategic Coherence
Process contribution / planned cases: Purpose/actual consequences; 001/020/040
Human/cross-domain assessment boundary: Board strategy-purpose coherence

Table row 2
Test / controlled title: M1.2 Sensing Architecture
Process contribution / planned cases: Population/coverage/perimeter; 003/004/006
Human/cross-domain assessment boundary: Whole-domain sensing completeness

Table row 3
Test / controlled title: M1.3 Risk Intelligence
Process contribution / planned cases: Obligation/divergence/accepted route; 007/011-014
Human/cross-domain assessment boundary: Board foresight and cross-domain risk

Table row 4
Test / controlled title: M1.4 Composition and Capability
Process contribution / planned cases: Human acceptance/role dependencies; 011/012/028
Human/cross-domain assessment boundary: Actual board capability/composition

Table row 5
Test / controlled title: M1.5 Performance Legibility
Process contribution / planned cases: Actual versus intended/outcome; 005/020/026
Human/cross-domain assessment boundary: Whole operating/financial futures

Table row 6
Test / controlled title: M1.6 Compliance Assurance
Process contribution / planned cases: Obligation/source/claim distinction; 007/040
Human/cross-domain assessment boundary: Competent legal mapping and actual statutory fulfilment

Table row 7
Test / controlled title: M1.7 Governance Documentation
Process contribution / planned cases: Versioned definition/rationale/history; 001/021/035
Human/cross-domain assessment boundary: Instrument accuracy and policy/practice coherence

Table row 8
Test / controlled title: M1.8 Accountability Architecture
Process contribution / planned cases: Tracker/cover/contact/challenge; 011/012/025-028
Human/cross-domain assessment boundary: Actual response/influence beyond delivery

Table row 9

Test / controlled title: M1.9 Value for Money
Process contribution / planned cases: Actual constraints/capacity/alternatives; 009/017
Human/cross-domain assessment boundary: Human value objectives/moral trade-offs

Table row 10
Test / controlled title: M1.10 Human-AI Interaction Norms
Process contribution / planned cases: Exact delegation/human roles; 008/017/028
Human/cross-domain assessment boundary: Actual practice under pressure

Table row 11
Test / controlled title: M1.11 Learning Metabolism
Process contribution / planned cases: Outcome/near-miss/memory; 020/021/026
Human/cross-domain assessment boundary: Actual learning rather than automatic optimisation

Table row 12
Test / controlled title: M1.12 Continuous Self-Assessment
Process contribution / planned cases: Coverage/independent/research; 004/036-040
Human/cross-domain assessment boundary: Board development/culture/effectiveness

Table row 13
Test / controlled title: M1.13 Emergent System Behaviour
Process contribution / planned cases: Concurrency/partial/cumulative effects; 009/015/018/033
Human/cross-domain assessment boundary: Whole-system emergence and human response

Table row 14
Test / controlled title: M1.14 Golden Thread Integrity
Process contribution / planned cases: Source-domain safety/actual work; 022-026
Human/cross-domain assessment boundary: 10 building information/statutory dutyholders and board accountability

Table row 15
Test / controlled title: M2.1 Values Architecture
Process contribution / planned cases: Purpose/protected/continuity controls; 008/013/014/030
Human/cross-domain assessment boundary: Actual structural values

Table row 16
Test / controlled title: M2.2 Coherence Under Pressure
Process contribution / planned cases: Suppressed concern/edge case; 013/014/040
Human/cross-domain assessment boundary: Human difficult choices/reasons

Table row 17
Test / controlled title: M2.3 Incommensurable Trade-off Capacity
Process contribution / planned cases: Technical ordering preserves human priority; 017/028
Human/cross-domain assessment boundary: Human adjudication/dissent

Table row 18
Test / controlled title: M2.4 Epistemic Brake Function
Process contribution / planned cases: Missing/novel/unknown evidence; 004/007/015/040
Human/cross-domain assessment boundary: Human investigation and unease

Table row 19
Test / controlled title: M2.5 Directorial Independence
Process contribution / planned cases: Independent required audience; 013/029/040
Human/cross-domain assessment boundary: Actual directorial independence

Table row 20
Test / controlled title: M2.6 Social Legitimacy
Process contribution / planned cases: Resident challenge/actual remedy; 025-027
Human/cross-domain assessment boundary: Actual legitimacy and resident influence

Table row 21
Test / controlled title: M2.7 No-Exit Obligation
Process contribution / planned cases: Continuing service/private/worker scope; 014/027/028/030
Human/cross-domain assessment boundary: Lived access/burden and responsive design

Table row 22
Test / controlled title: M2.8 Radical Transparency
Process contribution / planned cases: Actual source/check/effect/reasons; 003/005/035
Human/cross-domain assessment boundary: Affected people can interrogate reasons

Table row 23
Test / controlled title: M2.9 Moral Drift Detection
Process contribution / planned cases: Cumulative/divergence/learning; 009/021/034/040
Human/cross-domain assessment boundary: 25/30 founding-purpose drift comparison

Table row 24
Test / controlled title: M2.10 Purpose Stability
Process contribution / planned cases: Purpose/current permission/change; 001/008/010/038
Human/cross-domain assessment boundary: Board purpose-consistent choices

Table row 25
Test / controlled title: M2.11 Murmuration Capacity
Process contribution / planned cases: Permitted independent human inputs; 013/017/029
Human/cross-domain assessment boundary: Collective human sense-making; no board capture

Table row 26
Test / controlled title: M2.12 Constitutional Authority
Process contribution / planned cases: No powers from workflow; 008/017/038
Human/cross-domain assessment boundary: Board constitutional mediation

Table row 27
Test / controlled title: M2.13 AI Constitutional Framework Governance
Process contribution / planned cases: Model/runtime/quality/change; 008/032/034
Human/cross-domain assessment boundary: Board framework evaluation and 25 monitoring

Table row 28
Test / controlled title: M2.14 Purpose-Led Design
Process contribution / planned cases: Source/purpose/supplier derivation; 001/039
Human/cross-domain assessment boundary: Human purpose-led design account

Table row 29
Test / controlled title: M2.15 Telos / Function Distinction
Process contribution / planned cases: Efficient process versus actual purpose outcome; 020/026/040
Human/cross-domain assessment boundary: Alignment throughactual human governance

Appendix B - Supplier requirement response form

Use one row per exact requirement. For each product/version and configuration, declare direct, configured, integrated or outside-scope contribution. Replace the initial status only when scoped evidence supports the claim. Identify actual evidence, missing integration, responsible party and the build/activation gate; a feature name is insufficient. Any excluded duty needs a named counterpart or authorised release exclusion.

Table row 1
Exact requirement / function: AOS-13-REQ-001 - Definition

Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 2
Exact requirement / function: AOS-13-REQ-002 - Activation
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 3
Exact requirement / function: AOS-13-REQ-003 - Instance
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 4
Exact requirement / function: AOS-13-REQ-004 - Evidence admission
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 5
Exact requirement / function: AOS-13-REQ-005 - Coverage
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 6
Exact requirement / function: AOS-13-REQ-006 - Divergence
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 7
Exact requirement / function: AOS-13-REQ-007 - Dashboard
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 8
Exact requirement / function: AOS-13-REQ-008 - Pattern
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 9
Exact requirement / function: AOS-13-REQ-009 - Obligations
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 10
Exact requirement / function: AOS-13-REQ-010 - No compliance certificate
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 11
Exact requirement / function: AOS-13-REQ-011 - Current effects
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 12
Exact requirement / function: AOS-13-REQ-012 - No delegated expansion
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 13
Exact requirement / function: AOS-13-REQ-013 - Reservations
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 14
Exact requirement / function: AOS-13-REQ-014 - Change impact
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 15
Exact requirement / function: AOS-13-REQ-015 - Revocation
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 16
Exact requirement / function: AOS-13-REQ-016 - Tracking owner
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 17
Exact requirement / function: AOS-13-REQ-017 - Acknowledgement
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 18
Exact requirement / function: AOS-13-REQ-018 - Rejection and cover
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 19
Exact requirement / function: AOS-13-REQ-019 - Protected duties
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 20
Exact requirement / function: AOS-13-REQ-020 - Blocker explanation
Product/version and contribution: Supplier to complete
Conformance status: Not assessed

Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 21
Exact requirement / function: AOS-13-REQ-021 - Unknown effect
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 22
Exact requirement / function: AOS-13-REQ-022 - Retry identity
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 23
Exact requirement / function: AOS-13-REQ-023 - Compensation
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 24
Exact requirement / function: AOS-13-REQ-024 - Multi-agent coordination
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 25
Exact requirement / function: AOS-13-REQ-025 - Concurrency
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 26
Exact requirement / function: AOS-13-REQ-026 - Cancellation and holds
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 27
Exact requirement / function: AOS-13-REQ-027 - Closure
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 28
Exact requirement / function: AOS-13-REQ-028 - Operational memory
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 29
Exact requirement / function: AOS-13-REQ-029 - No automatic optimisation
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 30
Exact requirement / function: AOS-13-REQ-030 - Promise comparison

Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 31
Exact requirement / function: AOS-13-REQ-031 - Verified incomplete
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 32
Exact requirement / function: AOS-13-REQ-032 - Unverified completion
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 33
Exact requirement / function: AOS-13-REQ-033 - Promise exception
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 34
Exact requirement / function: AOS-13-REQ-034 - Promise changes
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 35
Exact requirement / function: AOS-13-REQ-035 - Repair scope and dispute
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 36
Exact requirement / function: AOS-13-REQ-036 - Repair human ownership
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 37
Exact requirement / function: AOS-13-REQ-037 - Resident contacts
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 38
Exact requirement / function: AOS-13-REQ-038 - Repair outcome
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 39
Exact requirement / function: AOS-13-REQ-039 - Complaint and service
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 40
Exact requirement / function: AOS-13-REQ-040 - People handoff
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 41
Exact requirement / function: AOS-13-REQ-041 - Governance/research handoff
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 42
Exact requirement / function: AOS-13-REQ-042 - Cross-domain boundaries
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 43
Exact requirement / function: AOS-13-REQ-043 - Correction and lifecycle
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 44
Exact requirement / function: AOS-13-REQ-044 - Security
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 45
Exact requirement / function: AOS-13-REQ-045 - Continuity
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 46
Exact requirement / function: AOS-13-REQ-046 - Recovery
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 47
Exact requirement / function: AOS-13-REQ-047 - Evaluation
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 48
Exact requirement / function: AOS-13-REQ-048 - Audit
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 49
Exact requirement / function: AOS-13-REQ-049 - Compatibility
Product/version and contribution: Supplier to complete
Conformance status: Not assessed

Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 50
Exact requirement / function: AOS-13-REQ-050 - Research profile
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 51
Exact requirement / function: AOS-13-REQ-051 - Research finding
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 52
Exact requirement / function: AOS-13-REQ-052 - Research coverage
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 53
Exact requirement / function: AOS-13-REQ-053 - Research human review
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 54
Exact requirement / function: AOS-13-REQ-054 - Research amendment
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 55
Exact requirement / function: AOS-13-REQ-055 - Supplier realisation
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 56
Exact requirement / function: AOS-13-REQ-056 - Independent assurance
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Table row 57
Exact requirement / function: AOS-13-REQ-057 - No forced fit
Product/version and contribution: Supplier to complete
Conformance status: Not assessed
Evidence / gap / responsible party / gate: Supplier and AOS owner to complete before dependent build/activation

Current reciprocal adoption and precise source allocation - 9 October2026

This revision corrects current control/status and adoption/traceability references only. Every original normative requirement

statement, case acceptance condition, invariant and identity retains its prior meaning. Existing source versions, approved architectural directions and human/private boundaries are unchanged. Local§6 is the authoritative domain view; Registerv0.17 SENSING-ADOPTION-2026-10-09 supplies the current reciprocal common mapping; Matrixv0.18 SENSING-SOURCES-2026-10-09 supplies every FP/RP/GT source locator, exact contribution chain and owned residual/gate. The following reverse view rows are projections of that single adoption manifest, not new dictionaries or wire schemas.

Table row 1
Exact component/view revision: AOS-13-CON-001 / documentv0.2
Authoritative common master: KX-05/09/10/13/16/18/24; COORD ACT/CHG
Retained producer → consumer / domain meaning: Authorised owner/01/05/dependencies →13/02/executors: exact scope/revision/purpose/steps/states/conditions/source instruments/human boundary, closure/fallback rules, rationale and compatible actual applied manifest; unapplied/unknown meaning not usable
Local requirement → planned case: AOS-13-REQ-001, AOS-13-REQ-002, AOS-13-REQ-010, AOS-13-REQ-014, AOS-13-REQ-049 → AOS-13-VER-001, AOS-13-VER-002, AOS-13-VER-007, AOS-13-VER-010, AOS-13-VER-035
Exact40 supporting cases / residual gate: AOS-40-VER-020, AOS-40-VER-025, AOS-40-VER-029, AOS-40-VER-038; local§17 and40-ISS-002/003 gate exact profiles/fixtures/compatibility before dependent build or execution

Table row 2
Exact component/view revision: AOS-13-CON-002 / documentv0.2
Authoritative common master: KX-01/04/08/09/16/21; REC-E/Q/X
Retained producer → consumer / domain meaning: Permitted domain/source/02/runtime →13→02/executors/reviewers: stable case/request/event/attempt identities, definition/profile/version, source assurance, time/standing, dependencies/pending work, current state/effects/residual duties; duplicates/order do not redefine truth
Local requirement → planned case: AOS-13-REQ-003, AOS-13-REQ-004, AOS-13-REQ-005, AOS-13-REQ-006, AOS-13-REQ-007, AOS-13-REQ-008, AOS-13-REQ-048 → AOS-13-VER-003, AOS-13-VER-004, AOS-13-VER-005, AOS-13-VER-006, AOS-13-VER-035
Exact40 supporting cases / residual gate: AOS-40-VER-025, AOS-40-VER-038; local§17 and40-ISS-002/003 gate exact profiles/fixtures/compatibility before dependent build or execution

Table row 3
Exact component/view revision: AOS-13-CON-003 / documentv0.2
Authoritative common master: KX-07/19/21/26;13-IF-001; KPR/COORD ACC/WHD
Retained producer → consumer / domain meaning: 13/domain/control finding →permitted 30/human/recipient; stage result →13/02: existing 13-IF-001/KX-07, KX-21 and KX-26/WHD meaning; exact duty/source/limits, tracker, recipient/role/power, deadline/cover, receipt/validation/application/responsibility and residual rejected/unresolved scope; KPR protected route
Local requirement → planned case: AOS-13-REQ-016, AOS-13-REQ-017, AOS-13-REQ-018, AOS-13-REQ-019, AOS-13-REQ-020, AOS-13-REQ-026, AOS-13-REQ-041 → AOS-13-VER-011, AOS-13-VER-012, AOS-13-VER-013, AOS-13-VER-014, AOS-13-VER-019, AOS-13-VER-029
Exact40 supporting cases / residual gate: AOS-40-VER-009, AOS-40-VER-021, AOS-40-VER-038; local§17 and40-ISS-002/003 gate exact profiles/fixtures/compatibility before dependent build or execution

Table row 4
Exact component/view revision: AOS-13-CON-004 / documentv0.2
Authoritative common master: KX-02/03/04/13/16/18/20/24/25; CHECK/ACT/CHG/RSV/BRK
Retained producer → consumer / domain meaning: 13 →04/05/shared controls/external route 14; result →13/02: exact task/request/attempt/arguments/actor/current source vector, authority/use, CHECK/applied configuration, shared account/reservations, observed prevented/applied/partial/unknown effect and reconciliation; no private copy of grant or account semantics
Local requirement → planned case: AOS-13-REQ-011, AOS-13-REQ-012, AOS-13-REQ-013, AOS-13-REQ-015, AOS-13-REQ-021, AOS-13-REQ-022, AOS-13-REQ-023, AOS-13-REQ-025, AOS-13-REQ-044, AOS-13-REQ-046 → AOS-13-VER-008, AOS-13-VER-009, AOS-13-VER-010, AOS-13-VER-015, AOS-13-VER-016, AOS-13-VER-018, AOS-13-VER-032, AOS-13-VER-033
Exact40 supporting cases / residual gate: AOS-40-VER-014, AOS-40-VER-020, AOS-40-VER-022, AOS-40-VER-023, AOS-40-VER-038; local§17 and40-ISS-002/003 gate exact profiles/fixtures/compatibility before dependent build or execution

Table row 5
Exact component/view revision: AOS-13-CON-005 / documentv0.2
Authoritative common master: KX-01/06/07/08/12/14/21/23/26; Profiles§§4/5;10-CON-004/11-CON-003/004
Retained producer → consumer / domain meaning: 10/02 evidence +30 human scope →13↔11/14/service source: original communicated promise/precision/scope/revisions, completion rule/work/inspection/dispute standing, comparison classification, accepted owner/team cover, permitted both-contact communication result, actual outcome/residual duty; domain meanings unchanged

Local requirement → planned case: AOS-13-REQ-030, AOS-13-REQ-031, AOS-13-REQ-032, AOS-13-REQ-033, AOS-13-REQ-034, AOS-13-REQ-035, AOS-13-REQ-036, AOS-13-REQ-037, AOS-13-REQ-038, AOS-13-REQ-039 → AOS-13-VER-022, AOS-13-VER-023, AOS-13-VER-024, AOS-13-VER-025, AOS-13-VER-026, AOS-13-VER-027
Exact40 supporting cases / residual gate: AOS-40-VER-007, AOS-40-VER-008, AOS-40-VER-009, AOS-40-VER-010, AOS-40-VER-038; local§17 and40-ISS-002/003 gate exact profiles/fixtures/compatibility before dependent build or execution

Table row 6
Exact component/view revision: AOS-13-CON-006 / documentv0.2
Authoritative common master: KX-01/08/17/19; REC-E/Q; KX-22 only after20 canonical admission
Retained producer → consumer / domain meaning: 13/02 admitted observation →permitted service/22/24/25/40: population/period/coverage, exact intended definition versus observed transaction, source/assurance/uncertainty, baseline/rubric/interpretation, owner/remedy/outcome and suppressed/unobserved scope; no completeness/legal pass inferred
Local requirement → planned case: AOS-13-REQ-005, AOS-13-REQ-006, AOS-13-REQ-007, AOS-13-REQ-008, AOS-13-REQ-009, AOS-13-REQ-010, AOS-13-REQ-047 → AOS-13-VER-004, AOS-13-VER-005, AOS-13-VER-006, AOS-13-VER-007, AOS-13-VER-034
Exact40 supporting cases / residual gate: AOS-40-VER-011, AOS-40-VER-025, AOS-40-VER-027, AOS-40-VER-038; local§17 and40-ISS-002/003 gate exact profiles/fixtures/compatibility before dependent build or execution

Table row 7
Exact component/view revision: AOS-13-CON-007 / documentv0.2
Authoritative common master: KX-01/04/06/13/15/16/17/21; COORD CHG; REC-E/Q/X
Retained producer → consumer / domain meaning: Execution/humans/domain stewards →13/02/21/25/30: actual consequences, approved human rationale, definition history/lesson/proposal, change impacts/applied acknowledgements and residual duties; governed lifecycle; no self-amendment
Local requirement → planned case: AOS-13-REQ-027, AOS-13-REQ-028, AOS-13-REQ-029, AOS-13-REQ-043, AOS-13-REQ-048 → AOS-13-VER-020, AOS-13-VER-021, AOS-13-VER-031, AOS-13-VER-035
Exact40 supporting cases / residual gate: AOS-40-VER-006, AOS-40-VER-022, AOS-40-VER-023, AOS-40-VER-025, AOS-40-VER-038; local§17 and40-ISS-002/003 gate exact profiles/fixtures/compatibility before dependent build or execution

Table row 8
Exact component/view revision: AOS-13-CON-008 / documentv0.2
Authoritative common master: RSVIEW-0.1;02§6.6/04-CON-009; KX-23/07/06/05/13/17/21
Retained producer → consumer / domain meaning: Assigned specialist/14/13 →02/30/01/affected owners: common RSVIEW-0.1 profile/run/finding/disposition plus exact process implications; actual coverage/reviewer duties/change standing explicit
Local requirement → planned case: AOS-13-REQ-050, AOS-13-REQ-051, AOS-13-REQ-052, AOS-13-REQ-053, AOS-13-REQ-054 → AOS-13-VER-036, AOS-13-VER-037, AOS-13-VER-038
Exact40 supporting cases / residual gate: AOS-40-VER-031, AOS-40-VER-032, AOS-40-VER-033, AOS-40-VER-034, AOS-40-VER-035; local§17 and40-ISS-002/003 gate exact profiles/fixtures/compatibility before dependent build or execution

Individual-source reverse navigation

Rows below identify the exact controlled source locator and this component’s selected contribution or owned residual. Full source propositions and all other counterparts remain in the Matrix addendum; row numbers do not invent source IDs. This record completes source disposition, not source sufficiency or institutional assessment.

Table row 1
Source locator: FP 1 Telos/conferred purpose/function
Selected component chain / residual disposition: AOS-13-REQ-001 → AOS-13-VER-001; Matrix source row retains owned residual and gate

Table row 2
Source locator: FP 2 Permanently human Mode 2
Selected component chain / residual disposition: AOS-13-REQ-024 → AOS-13-VER-017; Matrix source row retains owned residual and gate

Table row 3

Source locator: FP 3 Architectural integrity
Selected component chain / residual disposition: AOS-13-REQ-011, AOS-13-REQ-013, AOS-13-REQ-049 → AOS-13-VER-008, AOS-13-VER-009, AOS-13-VER-035; Matrix source row retains owned residual and gate

Table row 4
Source locator: FP 4 Radical transparency
Selected component chain / residual disposition: AOS-13-REQ-048 → AOS-13-VER-035; Matrix source row retains owned residual and gate

Table row 5
Source locator: FP 5 Bounded rationality/imperfection
Selected component chain / residual disposition: AOS-13-REQ-057 → AOS-13-VER-040; Matrix source row retains owned residual and gate

Table row 6
Source locator: FP 6 Epistemic humility
Selected component chain / residual disposition: No direct local requirement chain selected; preserve relevant shared/GI/human/domain owner and exact residual in Matrix row; source-sufficiency before affectedG3 and actual practice/longitudinal evidence before institutional claim.; Matrix source row retains owned residual and gate

Table row 7
Source locator: FP 7 No-exit obligation
Selected component chain / residual disposition: No direct local requirement chain selected; preserve relevant shared/GI/human/domain owner and exact residual in Matrix row; source-sufficiency before affectedG3 and actual practice/longitudinal evidence before institutional claim.; Matrix source row retains owned residual and gate

Table row 8
Source locator: FP 8 Constitutional mediator
Selected component chain / residual disposition: AOS-13-REQ-012, AOS-13-REQ-029 → AOS-13-VER-008, AOS-13-VER-021; Matrix source row retains owned residual and gate

Table row 9
Source locator: FP 9 Compliance as consequence
Selected component chain / residual disposition: AOS-13-REQ-010 → AOS-13-VER-007; Matrix source row retains owned residual and gate

Table row 10
Source locator: FP 10 Complexity/emergence
Selected component chain / residual disposition: AOS-13-REQ-013, AOS-13-REQ-025 → AOS-13-VER-009, AOS-13-VER-018; Matrix source row retains owned residual and gate

Table row 11
Source locator: RP 1: Architecture and Completeness: Every governance process must close its feedback loop.
Selected component chain / residual disposition: AOS-13-REQ-027, AOS-13-REQ-028 → AOS-13-VER-020, AOS-13-VER-021; Matrix source row retains owned residual and gate

Table row 12
Source locator: RP 2: Architecture and Completeness: Every human accountability layer must be explicitly named, sequenced, and time - bounded before any process is consid...
Selected component chain / residual disposition: AOS-13-REQ-016, AOS-13-REQ-017, AOS-13-REQ-018 → AOS-13-VER-011, AOS-13-VER-012; Matrix source row retains owned residual and gate

Table row 13
Source locator: RP 3: Architecture and Completeness: Every option set must include the option that cannot be made to work.
Selected component chain / residual disposition: No direct local requirement chain selected; preserve relevant shared/GI/human/domain owner and exact residual in Matrix row; source-sufficiency before affectedG3 and actual practice/longitudinal evidence before institutional claim.; Matrix source row retains owned residual and gate

Table row 14
Source locator: RP 4: Architecture and Completeness: The ‘AI said so’ test must be passable at every decision point.
Selected component chain / residual disposition: No direct local requirement chain selected; preserve relevant shared/GI/human/domain owner and exact residual in Matrix row; source-sufficiency before affectedG3 and actual practice/longitudinal evidence before institutional claim.; Matrix source row retains owned residual and gate

Table row 15
Source locator: RP 5: The Mode 1 / Mode 2 Boundary: Mode 2 is permanently human.
Selected component chain / residual disposition: AOS-13-REQ-024 → AOS-13-VER-017; Matrix source row retains owned residual and gate

Table row 16
Source locator: RP 6: The Mode 1 / Mode 2 Boundary: Every Mode 1 boundary is a governance instrument, not a technical setting.
Selected component chain / residual disposition: AOS-13-REQ-001, AOS-13-REQ-002 → AOS-13-VER-001, AOS-13-VER-002; Matrix source row retains owned residual and gate

Table row 17
Source locator: RP 7: The Mode 1 / Mode 2 Boundary: The boardroom is a Mode 2 deliberative space.
Selected component chain / residual disposition: No direct local requirement chain selected; preserve relevant shared/GI/human/domain owner and exact residual in Matrix row; source-sufficiency before affectedG3 and actual practice/longitudinal evidence before institutional claim.; Matrix source row retains owned residual and gate

Table row 18
Source locator: RP 8: The Mode 1 / Mode 2 Boundary: The Mode 1/Mode 2 boundary is under continuous pressure from AI capability growth.
Selected component chain / residual disposition: No direct local requirement chain selected; preserve relevant shared/GI/human/domain owner and exact residual in Matrix row; source-sufficiency before affectedG3 and actual practice/longitudinal evidence before institutional claim.; Matrix source row retains owned residual and gate

Table row 19
Source locator: RP 9: The 1+5 Architecture: Every proposed governance mechanism must be tested against the 1+5 structure to confirm which layer it belongs to and...
Selected component chain / residual disposition: AOS-13-REQ-024 → AOS-13-VER-017; Matrix source row retains owned residual and gate

Table row 20
Source locator: RP 10: The 1+5 Architecture: Risk is intrinsic to each intelligence layer, not a separate domain.
Selected component chain / residual disposition: AOS-13-REQ-009, AOS-13-REQ-010 → AOS-13-VER-007; Matrix source row retains owned residual and gate

Table row 21
Source locator: RP 11: The 1+5 Architecture: Every intelligence layer boundary where welfare - adjacent or safety - adjacent signals may arise must have an explic...
Selected component chain / residual disposition: AOS-13-REQ-016, AOS-13-REQ-017, AOS-13-REQ-018, AOS-13-REQ-019, AOS-13-REQ-020 → AOS-13-VER-011, AOS-13-VER-012, AOS-13-VER-013, AOS-13-VER-014; Matrix source row retains owned residual and gate

Table row 22
Source locator: RP 12: The 1+5 Architecture: The Golden Thread obligation under the Building Safety Act 2022 is not a technical data management requirement.
Selected component chain / residual disposition: No direct local requirement chain selected; preserve relevant shared/GI/human/domain owner and exact residual in Matrix row; source-sufficiency before affectedG3 and actual practice/longitudinal evidence before institutional claim.; Matrix source row retains owned residual and gate

Table row 23
Source locator: RP 13: Options and Decisions: Options generated by the architecture must be grounded in the organisation’s actual state - actual covenant condition...
Selected component chain / residual disposition: No direct local requirement chain selected; preserve relevant shared/GI/human/domain

owner and exact residual in Matrix row; source-sufficiency before affectedG3 and actual practice/longitudinal evidence before institutional claim.; Matrix source row retains owned residual and gate

Table row 24
Source locator: RP 14: Options and Decisions: Every consequential decision must feed back into the Unified Data Layer as a structured record - not only the decisio...
Selected component chain / residual disposition: AOS-13-REQ-028, AOS-13-REQ-048 → AOS-13-VER-021, AOS-13-VER-035; Matrix source row retains owned residual and gate

Table row 25
Source locator: RP 15: Options and Decisions: Revealed preferences from real decisions take precedence over stated preferences in policy documents when the archite...
Selected component chain / residual disposition: No direct local requirement chain selected; preserve relevant shared/GI/human/domain owner and exact residual in Matrix row; source-sufficiency before affectedG3 and actual practice/longitudinal evidence before institutional claim.; Matrix source row retains owned residual and gate

Table row 26
Source locator: RP 16: Blind Spots and Honesty: The architecture must name what it cannot see.
Selected component chain / residual disposition: AOS-13-REQ-005 → AOS-13-VER-004; Matrix source row retains owned residual and gate

Table row 27
Source locator: RP 17: Blind Spots and Honesty: The dynamic risk perimeter question must be asked at board level as a standing agenda item: not only ‘what are our ri...
Selected component chain / residual disposition: No direct local requirement chain selected; preserve relevant shared/GI/human/domain owner and exact residual in Matrix row; source-sufficiency before affectedG3 and actual practice/longitudinal evidence before institutional claim.; Matrix source row retains owned residual and gate

Table row 28
Source locator: RP 18: Blind Spots and Honesty: The interaction of intelligence layers produces system - level behaviours that no individual layer would produce alone.
Selected component chain / residual disposition: No direct local requirement chain selected; preserve relevant shared/GI/human/domain owner and exact residual in Matrix row; source-sufficiency before affectedG3 and actual practice/longitudinal evidence before institutional claim.; Matrix source row retains owned residual and gate

Table row 29
Source locator: RP 19: Ethics and Telos: Every process must demonstrate a traceable relationship to the organisation’s ethical commitments and social purpose.
Selected component chain / residual disposition: AOS-13-REQ-001 → AOS-13-VER-001; Matrix source row retains owned residual and gate

Table row 30
Source locator: RP 20: Ethics and Telos: The architecture must be capable of detecting purpose drift - the condition where operational processes have graduall...
Selected component chain / residual disposition: AOS-13-REQ-028 → AOS-13-VER-021; Matrix source row retains owned residual and gate

Table row 31
Source locator: RP 21: Ethics and Telos: Diversity, inclusion, and equitable outcomes are not separate compliance obligations.
Selected component chain / residual disposition: No direct local requirement chain selected; preserve relevant shared/GI/human/domain owner and exact residual in Matrix row; source-sufficiency before affectedG3 and actual practice/longitudinal evidence before institutional claim.; Matrix source row retains owned residual and gate

Table row 32
Source locator: RP 22: Ethics and Telos: Where the organisation’s welfare obligation to residents and its consent architecture pull in opposing directions, th...
Selected component chain / residual disposition: No direct local requirement chain selected; preserve relevant shared/GI/human/domain owner and exact residual in Matrix row; source-sufficiency before affectedG3 and actual practice/longitudinal evidence before institutional

claim.; Matrix source row retains owned residual and gate

Table row 33
Source locator: RP 23: Ethics and Telos: AI systems have function, not telos.
Selected component chain / residual disposition: AOS-13-REQ-029 → AOS-13-VER-021; Matrix source row retains owned residual and gate

Table row 34
Source locator: RP 24: Ethics and Telos: Where the organisation's purpose is interpreted through an accumulating body of AI-mediated rulings rather than appli...
Selected component chain / residual disposition: No direct local requirement chain selected; preserve relevant shared/GI/human/domain owner and exact residual in Matrix row; source-sufficiency before affectedG3 and actual practice/longitudinal evidence before institutional claim.; Matrix source row retains owned residual and gate

Table row 35
Source locator: RP 25: Ethics and Telos: Every AI system deployed by the organisation carries an embedded constitutional framework established by its developer.
Selected component chain / residual disposition: No direct local requirement chain selected; preserve relevant shared/GI/human/domain owner and exact residual in Matrix row; source-sufficiency before affectedG3 and actual practice/longitudinal evidence before institutional claim.; Matrix source row retains owned residual and gate

Table row 36
Source locator: RP 26: Ethics and Telos: The no - exit condition is a constitutive feature of the organisation’s moral architecture, not background context.
Selected component chain / residual disposition: No direct local requirement chain selected; preserve relevant shared/GI/human/domain owner and exact residual in Matrix row; source-sufficiency before affectedG3 and actual practice/longitudinal evidence before institutional claim.; Matrix source row retains owned residual and gate

Table row 37
Source locator: RP 27: Ethics and Telos: Compliance is the output of sound governance design, not its objective.
Selected component chain / residual disposition: AOS-13-REQ-010 → AOS-13-VER-007; Matrix source row retains owned residual and gate

Table row 38
Source locator: RP 28: Radical Transparency: If you cannot audit it and be held accountable for it, it cannot be done.
Selected component chain / residual disposition: AOS-13-REQ-048 → AOS-13-VER-035; Matrix source row retains owned residual and gate

Table row 39
Source locator: RP 29: Radical Transparency: The architecture must be more transparent than the document - based governance it replaces, not less.
Selected component chain / residual disposition: No direct local requirement chain selected; preserve relevant shared/GI/human/domain owner and exact residual in Matrix row; source-sufficiency before affectedG3 and actual practice/longitudinal evidence before institutional claim.; Matrix source row retains owned residual and gate

Table row 40
Source locator: RP 30: Radical Transparency: Transparency obligations extend to the architecture’s uncertainty.
Selected component chain / residual disposition: AOS-13-REQ-008 → AOS-13-VER-006; Matrix source row retains owned residual and gate

Table row 41
Source locator: RP 31: Agentic Delegation: Agents operate under explicitly delegated authority, not implied authority.
Selected component chain / residual disposition: AOS-13-REQ-011, AOS-13-REQ-012 → AOS-13-VER-008; Matrix source row retains owned residual and gate

Table row 42
Source locator: RP 32: Agentic Delegation: Agent authority is domain - specific, context - specific, and condition - specific simultaneously.

Selected component chain / residual disposition: AOS-13-REQ-003, AOS-13-REQ-011, AOS-13-REQ-012 → AOS-13-VER-003, AOS-13-VER-008; Matrix source row retains owned residual and gate

Table row 43
Source locator: RP 33: Agentic Delegation: Agents cannot commit the organisation to external obligations, initiate unsolicited contact with external parties, or...
Selected component chain / residual disposition: AOS-13-REQ-011, AOS-13-REQ-012 → AOS-13-VER-008; Matrix source row retains owned residual and gate

Table row 44
Source locator: RP 34: Agentic Delegation: Internal escalation - routing a signal within the architecture to a human reviewer or to a receiving intelligence lay...
Selected component chain / residual disposition: AOS-13-REQ-016, AOS-13-REQ-017, AOS-13-REQ-018, AOS-13-REQ-019, AOS-13-REQ-020 → AOS-13-VER-011, AOS-13-VER-012, AOS-13-VER-013, AOS-13-VER-014; Matrix source row retains owned residual and gate

Table row 45
Source locator: RP 35: Agentic Delegation: The agentic delegation framework is a governance document reviewed by the board, not a technical configuration manage...
Selected component chain / residual disposition: AOS-13-REQ-001, AOS-13-REQ-002 → AOS-13-VER-001, AOS-13-VER-002; Matrix source row retains owned residual and gate

Table row 46
Source locator: RP 36: Agentic Delegation: Every agent action must satisfy the ethics and telos test and the radical transparency test independently of the proc...
Selected component chain / residual disposition: AOS-13-REQ-001, AOS-13-REQ-048 → AOS-13-VER-001, AOS-13-VER-035; Matrix source row retains owned residual and gate

Table row 47
Source locator: RP 37: Agentic Delegation: Certain classes of finding must reach their required audience regardless of any instruction to suppress or delay them.
Selected component chain / residual disposition: AOS-13-REQ-019 → AOS-13-VER-013; Matrix source row retains owned residual and gate

Table row 48
Source locator: RP 38: Data and Sensing Boundaries: Sensing must not exceed its declared purpose.
Selected component chain / residual disposition: AOS-13-REQ-042 → AOS-13-VER-030; Matrix source row retains owned residual and gate

Table row 49
Source locator: RP 39: Data and Sensing Boundaries: The boundary between observing an asset and monitoring a behaviour is an absolute architectural boundary, not a matte...
Selected component chain / residual disposition: No direct local requirement chain selected; preserve relevant shared/GI/human/domain owner and exact residual in Matrix row; source-sufficiency before affectedG3 and actual practice/longitudinal evidence before institutional claim.; Matrix source row retains owned residual and gate

Table row 50
Source locator: RP 40: Data and Sensing Boundaries: Where behavioural inference from sensing data is genuinely necessary to serve the resident’s interests - energy pover...
Selected component chain / residual disposition: No direct local requirement chain selected; preserve relevant shared/GI/human/domain owner and exact residual in Matrix row; source-sufficiency before affectedG3 and actual practice/longitudinal evidence before institutional claim.; Matrix source row retains owned residual and gate

Table row 51
Source locator: RP 41: Data and Sensing Boundaries: The purpose limitation principle applies across all intelligence layers, not only to resident - facing sensing.
Selected component chain / residual disposition: AOS-13-REQ-042 → AOS-13-VER-030; Matrix source row retains owned residual and gate

Table row 52
Source locator: GT M1.1 Strategic Coherence
Selected component chain / residual disposition: AOS-13-REQ-001, AOS-13-REQ-027, AOS-13-REQ-056, AOS-13-REQ-057 → AOS-13-VER-001, AOS-13-VER-020, AOS-13-VER-040 (supporting case selection 001/020/040); Matrix source row retains owned residual and gate

Table row 53
Source locator: GT M1.2 Sensing Architecture
Selected component chain / residual disposition: AOS-13-REQ-003, AOS-13-REQ-004, AOS-13-REQ-005, AOS-13-REQ-008 → AOS-13-VER-003, AOS-13-VER-004, AOS-13-VER-006 (supporting case selection 003/004/006); Matrix source row retains owned residual and gate

Table row 54
Source locator: GT M1.3 Risk Intelligence
Selected component chain / residual disposition: AOS-13-REQ-009, AOS-13-REQ-010, AOS-13-REQ-016, AOS-13-REQ-017, AOS-13-REQ-018, AOS-13-REQ-019, AOS-13-REQ-020 → AOS-13-VER-007, AOS-13-VER-011, AOS-13-VER-012, AOS-13-VER-013, AOS-13-VER-014 (supporting case selection 007/011/012/013/014); Matrix source row retains owned residual and gate

Table row 55
Source locator: GT M1.4 Composition and Capability
Selected component chain / residual disposition: AOS-13-REQ-016, AOS-13-REQ-017, AOS-13-REQ-018, AOS-13-REQ-040 → AOS-13-VER-011, AOS-13-VER-012, AOS-13-VER-028 (supporting case selection 011/012/028); Matrix source row retains owned residual and gate

Table row 56
Source locator: GT M1.5 Performance Legibility
Selected component chain / residual disposition: AOS-13-REQ-006, AOS-13-REQ-007, AOS-13-REQ-027, AOS-13-REQ-038 → AOS-13-VER-005, AOS-13-VER-020, AOS-13-VER-026 (supporting case selection 005/020/026); Matrix source row retains owned residual and gate

Table row 57
Source locator: GT M1.6 Compliance Assurance
Selected component chain / residual disposition: AOS-13-REQ-009, AOS-13-REQ-010, AOS-13-REQ-056, AOS-13-REQ-057 → AOS-13-VER-007, AOS-13-VER-040 (supporting case selection 007/040); Matrix source row retains owned residual and gate

Table row 58
Source locator: GT M1.7 Governance Documentation
Selected component chain / residual disposition: AOS-13-REQ-001, AOS-13-REQ-028, AOS-13-REQ-029, AOS-13-REQ-048, AOS-13-REQ-049 → AOS-13-VER-001, AOS-13-VER-021, AOS-13-VER-035 (supporting case selection 001/021/035); Matrix source row retains owned residual and gate

Table row 59
Source locator: GT M1.8 Accountability Architecture
Selected component chain / residual disposition: AOS-13-REQ-016, AOS-13-REQ-017, AOS-13-REQ-018, AOS-13-REQ-036, AOS-13-REQ-037, AOS-13-REQ-038, AOS-13-REQ-039, AOS-13-REQ-040 → AOS-13-VER-011, AOS-13-VER-012, AOS-13-VER-025, AOS-13-VER-026, AOS-13-VER-027, AOS-13-VER-028 (supporting case selection 011/012/025/026/027/028); Matrix source row retains owned residual and gate

Table row 60
Source locator: GT M1.9 Value for Money
Selected component chain / residual disposition: AOS-13-REQ-013, AOS-13-REQ-024 → AOS-13-VER-009, AOS-13-VER-017 (supporting case selection 009/017); Matrix source row retains owned residual and gate

Table row 61
Source locator: GT M1.10 Human-AI Interaction Norms
Selected component chain / residual disposition: AOS-13-REQ-011, AOS-13-REQ-012, AOS-13-REQ-024, AOS-13-REQ-040 → AOS-13-VER-008, AOS-13-VER-017, AOS-13-VER-028 (supporting case selection 008/017/028); Matrix source row retains owned

residual and gate

Table row 62
Source locator: GT M1.11 Learning Metabolism
Selected component chain / residual disposition: AOS-13-REQ-027, AOS-13-REQ-028, AOS-13-REQ-029, AOS-13-REQ-038 → AOS-13-VER-020, AOS-13-VER-021, AOS-13-VER-026 (supporting case selection 020/021/026); Matrix source row retains owned residual and gate

Table row 63
Source locator: GT M1.12 Continuous Self-Assessment
Selected component chain / residual disposition: AOS-13-REQ-005, AOS-13-REQ-050, AOS-13-REQ-051, AOS-13-REQ-052, AOS-13-REQ-053, AOS-13-REQ-054, AOS-13-REQ-055, AOS-13-REQ-056, AOS-13-REQ-057 → AOS-13-VER-004, AOS-13-VER-036, AOS-13-VER-037, AOS-13-VER-038, AOS-13-VER-039, AOS-13-VER-040 (supporting case selection 004/036/037/038/039/040); Matrix source row retains owned residual and gate

Table row 64
Source locator: GT M1.13 Emergent System Behaviour
Selected component chain / residual disposition: AOS-13-REQ-013, AOS-13-REQ-021, AOS-13-REQ-022, AOS-13-REQ-025, AOS-13-REQ-045, AOS-13-REQ-046 → AOS-13-VER-009, AOS-13-VER-015, AOS-13-VER-018, AOS-13-VER-033 (supporting case selection 009/015/018/033); Matrix source row retains owned residual and gate

Table row 65
Source locator: GT M1.14 Golden Thread Integrity
Selected component chain / residual disposition: AOS-13-REQ-030, AOS-13-REQ-031, AOS-13-REQ-032, AOS-13-REQ-033, AOS-13-REQ-034, AOS-13-REQ-035, AOS-13-REQ-036, AOS-13-REQ-037, AOS-13-REQ-038 → AOS-13-VER-022, AOS-13-VER-023, AOS-13-VER-024, AOS-13-VER-025, AOS-13-VER-026 (supporting case selection 022/023/024/025/026); Matrix source row retains owned residual and gate

Table row 66
Source locator: GT M2.1 Values Architecture
Selected component chain / residual disposition: AOS-13-REQ-011, AOS-13-REQ-012, AOS-13-REQ-019, AOS-13-REQ-020, AOS-13-REQ-042 → AOS-13-VER-008, AOS-13-VER-013, AOS-13-VER-014, AOS-13-VER-030 (supporting case selection 008/013/014/030); Matrix source row retains owned residual and gate

Table row 67
Source locator: GT M2.2 Coherence Under Pressure
Selected component chain / residual disposition: AOS-13-REQ-019, AOS-13-REQ-020, AOS-13-REQ-056, AOS-13-REQ-057 → AOS-13-VER-013, AOS-13-VER-014, AOS-13-VER-040 (supporting case selection 013/014/040); Matrix source row retains owned residual and gate

Table row 68
Source locator: GT M2.3 Incommensurable Trade-off Capacity
Selected component chain / residual disposition: AOS-13-REQ-024, AOS-13-REQ-040 → AOS-13-VER-017, AOS-13-VER-028 (supporting case selection 017/028); Matrix source row retains owned residual and gate

Table row 69
Source locator: GT M2.4 Epistemic Brake Function
Selected component chain / residual disposition: AOS-13-REQ-005, AOS-13-REQ-009, AOS-13-REQ-010, AOS-13-REQ-021, AOS-13-REQ-022, AOS-13-REQ-056, AOS-13-REQ-057 → AOS-13-VER-004, AOS-13-VER-007, AOS-13-VER-015, AOS-13-VER-040 (supporting case selection 004/007/015/040); Matrix source row retains owned residual and gate

Table row 70
Source locator: GT M2.5 Directorial Independence
Selected component chain / residual disposition: AOS-13-REQ-019, AOS-13-REQ-041, AOS-13-REQ-056, AOS-13-REQ-057 → AOS-13-VER-013, AOS-13-VER-029, AOS-13-VER-040 (supporting case selection 013/029/040); Matrix source row retains owned residual and gate

Table row 71

Source locator: GT M2.6 Social Legitimacy
Selected component chain / residual disposition: AOS-13-REQ-036, AOS-13-REQ-037, AOS-13-REQ-038, AOS-13-REQ-039 → AOS-13-VER-025, AOS-13-VER-026, AOS-13-VER-027 (supporting case selection 025/026/027); Matrix source row retains owned residual and gate

Table row 72
Source locator: GT M2.7 No-Exit Obligation
Selected component chain / residual disposition: AOS-13-REQ-020, AOS-13-REQ-039, AOS-13-REQ-040, AOS-13-REQ-042 → AOS-13-VER-014, AOS-13-VER-027, AOS-13-VER-028, AOS-13-VER-030 (supporting case selection 014/027/028/030); Matrix source row retains owned residual and gate

Table row 73
Source locator: GT M2.8 Radical Transparency
Selected component chain / residual disposition: AOS-13-REQ-003, AOS-13-REQ-004, AOS-13-REQ-006, AOS-13-REQ-007, AOS-13-REQ-048, AOS-13-REQ-049 → AOS-13-VER-003, AOS-13-VER-005, AOS-13-VER-035 (supporting case selection 003/005/035); Matrix source row retains owned residual and gate

Table row 74
Source locator: GT M2.9 Moral Drift Detection
Selected component chain / residual disposition: AOS-13-REQ-013, AOS-13-REQ-028, AOS-13-REQ-029, AOS-13-REQ-047, AOS-13-REQ-056, AOS-13-REQ-057 → AOS-13-VER-009, AOS-13-VER-021, AOS-13-VER-034, AOS-13-VER-040 (supporting case selection 009/021/034/040); Matrix source row retains owned residual and gate

Table row 75
Source locator: GT M2.10 Purpose Stability
Selected component chain / residual disposition: AOS-13-REQ-001, AOS-13-REQ-011, AOS-13-REQ-012, AOS-13-REQ-014, AOS-13-REQ-015, AOS-13-REQ-053, AOS-13-REQ-054 → AOS-13-VER-001, AOS-13-VER-008, AOS-13-VER-010, AOS-13-VER-038 (supporting case selection 001/008/010/038); Matrix source row retains owned residual and gate

Table row 76
Source locator: GT M2.11 Murmuration Capacity
Selected component chain / residual disposition: AOS-13-REQ-019, AOS-13-REQ-024, AOS-13-REQ-041 → AOS-13-VER-013, AOS-13-VER-017, AOS-13-VER-029 (supporting case selection 013/017/029); Matrix source row retains owned residual and gate

Table row 77
Source locator: GT M2.12 Constitutional Authority
Selected component chain / residual disposition: AOS-13-REQ-011, AOS-13-REQ-012, AOS-13-REQ-024, AOS-13-REQ-053, AOS-13-REQ-054 → AOS-13-VER-008, AOS-13-VER-017, AOS-13-VER-038 (supporting case selection 008/017/038); Matrix source row retains owned residual and gate

Table row 78
Source locator: GT M2.13 AI Constitutional Framework Governance
Selected component chain / residual disposition: AOS-13-REQ-011, AOS-13-REQ-012, AOS-13-REQ-044, AOS-13-REQ-047 → AOS-13-VER-008, AOS-13-VER-032, AOS-13-VER-034 (supporting case selection 008/032/034); Matrix source row retains owned residual and gate

Table row 79
Source locator: GT M2.14 Purpose-Led Design
Selected component chain / residual disposition: AOS-13-REQ-001, AOS-13-REQ-055 → AOS-13-VER-001, AOS-13-VER-039 (supporting case selection 001/039); Matrix source row retains owned residual and gate

Table row 80
Source locator: GT M2.15 Telos / Function Distinction
Selected component chain / residual disposition: AOS-13-REQ-027, AOS-13-REQ-038, AOS-13-REQ-056, AOS-13-REQ-057 → AOS-13-VER-020, AOS-13-VER-026, AOS-13-VER-040 (supporting case selection 020/026/040); Matrix source row retains owned residual and gate

Author consistency conclusion: functional roles and repair/private/workforce/external/research/control/failure boundaries agree with the current shared infrastructure. SENS-CR-01-05 closed as author document corrections; wire profiles, operating roles/capacity, domain/annex/legal sufficiency and observed evidence remain open per§17 and40. No independent/executed conformance or operating readiness claim. Earlier dated text/addenda describe history; this current control takes precedence.

Historical opening status notices - retained provenance

These are dated drafting snapshots, including their then-current versions, totals, completion statements and next tasks. They do not define today's baseline or work queue. The present document retains its proposed/planned status; approved directions retain their recorded scope. Use the current inventory, adopted README and live to-do list for orientation; authoritative requirement and decision text remains in its named sections.

Historical status notice - sensing consistency closure - 9 October 2026: Mark authorised the remaining consistency work. SENS-CR-01-05 are closed at the functional-document/author-review level: all40 logical CON views across10-14 and40 have exact central adoption, producer/consumer/shared-owner and REQ/VER links; all80 controlled FP/RP/GT sources have precise current contributions and owned residual/gate dispositions; current body/control statements are reconciled. Versions10v0.4/11v0.3/12v0.3/13v0.2/14v0.8/40v0.6; Architecture/Mapv0.42; Sharedv0.18/Corev0.6/ExchangeRegisterv0.17/SourceMatrixv0.18; reviewv0.4. DEC001-096 unchanged. Sensing269 proposed REQs/176 planned VERs;40 retains40/38. No new requirement/case/interface, source promotion or execution. Exact compatible wire schemas/profiles, organisation appointments/capacity, independent review, legal/institutional/practice evidence and scoped build/activation remain separate; independent project review remains deferred. Earlier dated notices/addenda are historical. Current controlling allocation is the9October manifest and source addendum below.