

Indigo / Project completeness

114 additional project profiles

Bangel is the language; MJos is the operating system. The MJos Predictive Model retains its distinct project identity. Elsa is the compiler, JP admission is independent, and Joanna handles admitted execution and processing.

These papers reconcile recovered source definitions, historical discussions and expressly requested profiles. Source status and proposed language contracts remain explicit. Gold and Indigo follow recovered overview rules; they are new reconstructions. White papers are excluded.

This local review edition does not establish deployed software, validated physical performance or clinical capability. Original private chat transcripts are not included.

Elsa Compiler - Verification and discovery

MJPE-COMPLETE-20260925-ELSA-COMPILER-INDIGO | Source-backed documentary sequence — execution not rerun

Elsa Compiler / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Compiles Bangel source through parsing, name resolution, unit and semantic checks, lowering and verification into typed JP-IR.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

An unresolved name, incompatible unit or prohibited recursion must yield its contract diagnostic rather than usable admitted IR.

EXPECTED BOUNDARY

Return typed JP-IR or a compile refusal. Compilation does not admit execution or grant MJ permission.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Elsa/1; ELSA-SEMANTICS

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source.

Use only the exact named source scope; a documentary sequence is not deployment or an authority grant.

SOURCE REFERENCES

- language/python/src/bangel/compiler.py · line 59

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/language/python/src/bangel/compiler.py#L59>

- specs/roles/ROLE-CONTRACT-RECONCILIATION.md · line 14

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/ROLE-CONTRACT-RECONCILIATION.md#L14>

- Recovered nonwhite collection, page 1375

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1375>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Compiles Bangel source and checks its meaning before producing the typed representation consumed by JP and Joanna.

SOURCE REFERENCES

[language/python/src/bangel/compiler.py · line 59](#)

[specs/roles/ROLE-CONTRACT-RECONCILIATION.md · line 14](#)

[Recovered nonwhite collection, page 1375](#)

JP Representation - Verification and discovery

MJPE-COMplete-20260925-JP-REPRESENTATION-INDIGO | Source-backed documentary sequence — execution not rerun

JP Representation / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

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VERIFICATION AND DISCOVERY

Carries canonical typed mathematical, algorithmic and architecture representations. The general toolchain emits JP-IR/1 for independent admission before execution.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Recompute a digest after mutating an authority, type or effects field; inconsistent content must still fail independent admission.

EXPECTED BOUNDARY

Return admission evidence for the exact representation. A digest match establishes identity, not semantic admission or permission.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

JP; JP-IR/1; JP-CANON

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source_and_distinct_proposals.

Do not flatten older domain-specific JP compiler roles or JP-CIR/architecture profiles into the general representation contract.

SOURCE REFERENCES

- specs/roles/ROLE-CONTRACT-RECONCILIATION.md · line 15

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/ROLE-CONTRACT-RECONCILIATION.md#L15>

- Recovered nonwhite collection, page 1302

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1302>

- Recovered nonwhite collection, page 1376

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1376>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Typed representation, admission and validation boundary between language compilation and runtime execution.

SOURCE REFERENCES

[specs/roles/ROLE-CONTRACT-RECONCILIATION.md · line 15](#)

[Recovered nonwhite collection, page 1302](#)

[Recovered nonwhite collection, page 1376](#)

Joanna Processing - Verification and discovery

MJPE-COMplete-20260925-JOANNA-RUNTIME-INDIGO | Source-backed documentary sequence — execution not rerun

Joanna Processing / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Executes independently admitted Bangel JP-IR under bounded runtime rules and produces digest-bound evidence receipts.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

An exhausted budget, missing measurement or unadmitted representation must not become an unrestricted successful effect.

EXPECTED BOUNDARY

Return a digest-bound computation receipt with its actual status. HOLD stays visible even when a command exits successfully; the receipt is not action permission.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Joanna/1; Joanna-Receipt/1; Joanna Processing; Joanna compilation processing

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source.

Use only the exact named source scope; a documentary sequence is not deployment or an authority grant.

SOURCE REFERENCES

- language/python/src/bangel/runtime.py · line 28

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/language/python/src/bangel/runtime.py#L28>

- specs/roles/ROLE-CONTRACT-RECONCILIATION.md · line 16

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/ROLE-CONTRACT-RECONCILIATION.md#L16>

- language/python/src/bangel/identity.py · line 14

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/language/python/src/bangel/identity.py#L14>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Executes admitted Bangel programs and records outcomes and reconciliation evidence.

SOURCE REFERENCES

[language/python/src/bangel/runtime.py · line 28](#)

[specs/roles/ROLE-CONTRACT-RECONCILIATION.md · line 16](#)

[language/python/src/bangel/identity.py · line 14](#)

JO Proof and Verification - Verification and discovery

MJPE-COMplete-20260925-JO-PROOF-INDIGO | Source-backed documentary sequence — execution not rerun

JO Proof and Verification / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Historical type, unit, proof, test and evidence-verification family, including bounded runtime results in the original papers.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

A receipt for a different formula or profile must not satisfy this obligation without an explicit verified mapping.

EXPECTED BOUNDARY

Return a scoped verification record, HOLD for missing evidence or DENY for a failed permission boundary.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

JO; JO-RUNTIME; JO_PROOF_RECEIPT

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_historical_reference.

Do not state that every JO verification meaning is identical to Joanna execution.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1304

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1304>

- Recovered nonwhite collection, page 7062

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=7062>

- Recovered nonwhite collection, page 1378

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1378>

SOURCE REFERENCES

Recovered nonwhite collection, page 1304

Recovered nonwhite collection, page 7062

Recovered nonwhite collection, page 1378

MJ Governing Root - Verification and discovery

MJPE-COMplete-20260925-MJ-GOVERNING-ROOT-INDIGO | Source-backed documentary sequence — execution not rerun

MJ Governing Root / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Defines the source-level governing root, resource/admission boundary and final bounded decision role for the proposed MJ family context.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Without the applicable lease or final admission evidence, a participant PASS must not substitute for MJ admission.

EXPECTED BOUNDARY

Record the bounded decision supported by the implemented profile, or HOLD the proposed host behavior while its contract remains incomplete.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

MJ root; MJ.23.R2.ACT

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_profile_partial_integration.

The metadata alone does not establish a completed root kernel, CAPO bus or lease ledger.

SOURCE REFERENCES

- specs/roles/ROLE-CONTRACT-RECONCILIATION.md · line 17

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/ROLE-CONTRACT-RECONCILIATION.md#L17>

- Recovered nonwhite collection, page 1299

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1299>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Governs whether an independently validated action may proceed; prediction does not grant execution authority.

SOURCE REFERENCES

[specs/roles/ROLE-CONTRACT-RECONCILIATION.md](#) · line 17

[Recovered nonwhite collection](#), page 1299

Bangel Robotics - Verification and discovery

MJPE-COMplete-20260925-BANGEL-ROBOTICS-INDIGO | Source-backed documentary sequence — execution not rerun

Bangel Robotics / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Robotics-focused measurement programming with typed evidence, unit-aware source and bounded computation through Elsa, JP and Joanna.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

A missing observation or changed coordinate frame without a transform must remain a typed error or HOLD.

EXPECTED BOUNDARY

Return a measurement or advisory with uncertainty. Physical actuation requires a separate evidenced host contract.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Bangel Robotics Programming Language

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: `implementation_source_domain_identity`.

Software calculations and receipts do not establish a physical robot or actuation backend.

SOURCE REFERENCES

- README.md · line 1

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/README.md#L1>

- language/python/src/bangel/identity.py · line 6

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/language/python/src/bangel/identity.py#L6>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Applies the measurement language to robotics examples with explicit PASS, HOLD and missing-measurement behavior.

SOURCE REFERENCES

[README.md](#) · line 1

[language/python/src/bangel/identity.py](#) · line 6

Teal Robotics - Verification and discovery

MJPE-COMPLETE-20260925-TEAL-ROBOTICS-INDIGO | Source-backed documentary sequence — execution not rerun

Teal Robotics / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

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VERIFICATION AND DISCOVERY

Preserved simulation and shadow-control gate using native Bangel minority-risk source and near-miss templates.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

A known near miss or absent independent review must not be bypassed by an attractive forecast.

EXPECTED BOUNDARY

Return the bounded proposal gate result. No continuous-time control-barrier proof, physical actuation or live-trading capability is inferred.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Teal Robotics Verified Control Barrier Function; PMOS-MINORITY-GATE/1

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source.

The manifest explicitly says no completed independent family runtime, no continuous-time CBF proof, no live trading and no physical actuation.

SOURCE REFERENCES

- plugins/mj_predictive/src/mj_predictive/_teal/PLUGIN.json · line 1

https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/plugins/mj_predictive/src/mj_predictive/_teal/PLUGIN.json#L1

SOURCE REFERENCES

[plugins/mj_predictive/src/mj_predictive/_teal/PLUGIN.json · line 1](#)

Bangel Native SDK - Verification and discovery

MJPE-COMplete-20260925-BANGEL-NATIVE-SDK-INDIGO | Source-backed documentary sequence — execution not rerun

Bangel Native SDK / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

C# and .NET libraries for Bangel syntax, semantics, Elsa compilation, independent JP admission, Joanna runtime, numerics and host integration.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Compile an incompatible-unit example and inspect its diagnostic; establish native execution only with fresh package hashes and results.

EXPECTED BOUNDARY

Return typed diagnostics or an admitted computation receipt. Documentation alone does not establish a fresh .NET build or cross-host parity.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Bangel.Sdk; Bangel for C# and .NET

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source.

Use only the exact named source scope; a documentary sequence is not deployment or an authority grant.

SOURCE REFERENCES

- language/dotnet/README.md · line 7

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/language/dotnet/README.md#L7>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Managed compiler/runtime integration, SDK, command-line tools and a bounded C# translation surface.

SOURCE REFERENCES

language/dotnet/README.md · line 7

Bangel API - Verification and discovery

MJPE-COMplete-20260925-BANGEL-API-INDIGO | Source-backed documentary sequence — execution not rerun

Bangel API / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

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VERIFICATION AND DISCOVERY

Versioned public integration boundary for the source-backed Bangel compiler and runtime.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Reject unknown protocols and extra fields rather than silently treating them as compatible current requests.

EXPECTED BOUNDARY

Return a typed response or rejection; interface discovery does not establish a public production service.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

BANGEL-API/1

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source.

Use only the exact named source scope; a documentary sequence is not deployment or an authority grant.

SOURCE REFERENCES

- language/python/src/bangel/identity.py · line 11

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/language/python/src/bangel/identity.py#L11>

SOURCE REFERENCES

[language/python/src/bangel/identity.py · line 11](#)

MJPS Thermodynamics - Verification and discovery

MJPE-COMplete-20260925-BANGEL-THERMOELECTRIC-INDIGO | Source-backed documentary sequence — execution not rerun

MJPS Thermodynamics / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

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VERIFICATION AND DISCOVERY

Bangel 0.1 MJPS component for bounded thermoelectric calculations, network proposals and deterministic reference simulation.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Unknown temperature and unverified calibration must remain HOLD rather than physical control commands.

EXPECTED BOUNDARY

Return a simulation proposal or HOLD with physical and authority effects NONE. This does not establish a physical controller or the full general-language grammar.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

MJPS; Bangel Measurement Reference; Bangel Thermoelectric Reference; MJPS thermodynamic

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source.

No physical controller, board backend or actuation is established.

SOURCE REFERENCES

- components/thermoelectric-reference/README.md · line 1

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/components/thermoelectric-reference/README.md#L1>

- components/thermoelectric-reference/README.md · line 31

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/components/thermoelectric-reference/README.md#L31>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Package-native thermoelectric simulation combining Seebeck harvesting, Peltier heat pumping, uncertainty and bounded thermal/electrical optimization.
- Historical 0.2 package; physical effect and authority effect remained NONE, global JP acceptance MERGE_CANDIDATE, and bench/HIL/field gates remained held.
- Historical evidence has not been rerun in this discovery pass.

SEPARATE HISTORICAL CONTRACT OUTLINE

- ThermalBoundary — module and operating conditions
- ThermoelectricModel — Seebeck/Peltier parameters
- UncertaintyEnvelope — bounded temperature and model inputs
- SimulationReceipt — result, assumptions and effect ceiling

IF

A thermoelectric module is evaluated under declared thermal and electrical conditions.

HOW

Apply the documented package formulas and uncertainty bounds, keeping steady and transient coverage distinct.

THEN

Return the bounded simulation result and retain the separate hardware-validation requirements.

This historical outline is separate from the current-source contract above. It does not establish native integration or newly executed results.

SOURCE REFERENCES

[components/thermoelectric-reference/README.md](#) · line 1

[components/thermoelectric-reference/README.md](#) · line 31

MJmri MRI Imaging - Verification and discovery

MJPE-COMPLETE-20260925-MJMRI-INDIGO | Source-backed documentary sequence — execution not rerun

MJmri MRI Imaging / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Authored Bangel research profiles for typed MRI-related representations, evidence and interoperability contracts.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Camera-derived images and unexecuted fixtures must not be promoted to genuine MR acquisition or clinical evidence.

EXPECTED BOUNDARY

Return a documentary case or bounded research proposal, preserving unknowns and implementation gaps. No diagnosis, patient release or MRI hardware control is created.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

MJmri; JP-IR/MJMRI-1; MJMRI; MJmri MRI imaging

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

An authored research contract or fixture is recovered. Native implementation and execution remain separate obligations.

Recovered status: authored_candidate.

Non-clinical research only; recovered authored fixtures do not establish native execution or patient use.

SOURCE REFERENCES

- specs/recovered/BANGEL-0.1-MJMRI-NATIVE-PROFILE.md · line 1

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/recovered/BANGEL-0.1-MJMRI-NATIVE-PROFILE.md#L1>

- docs/history/b01/BANGEL-PROFILE-AUDIT.md · line 7

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/docs/history/b01/BANGEL-PROFILE-AUDIT.md#L7>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Named domain family included in the shared MJPS and Drum Sequencer registry.
- Historical scope: Mobile MRI access, representation, DICOM/FHIR interoperability and research reconstruction lineage. Cumulative 0.3 optical/mobile package was authored/reference work; native toolchain/device execution and clinical validation remained pending.
- Native JP compiler runs were explicitly zero at B02–B10; current Elsa/profile reconciliation remains unresolved.
- Phone optical pixels, inferred surface geometry, synthetic anatomy priors and genuine MR evidence remain distinct.
- B21–B25 continuation was requested but no resulting implementation was recovered.

SOURCE REFERENCES

[specs/recovered/BANGEL-0.1-MJMRI-NATIVE-PROFILE.md](#) · line 1

[docs/history/b01/BANGEL-PROFILE-AUDIT.md](#) · line 7

MJMRI Optical Research - Verification and discovery

MJPE-COMPLETE-20260925-MJMRI-OPTICAL-INDIGO | Source-backed documentary sequence — execution not rerun

MJMRI Optical Research / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

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VERIFICATION AND DISCOVERY

Keeps observed camera evidence, inferred surface geometry, synthetic anatomy priors and genuine MR evidence in separate classes.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

A synthetic optical fixture must retain its class rather than being relabeled as acquired MR.

EXPECTED BOUNDARY

Return a labeled optical or surface-research artifact, without claiming unseen anatomy, MR signal or a clinical result.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

MJMRI Mobile Optical Research

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

An authored research contract or fixture is recovered. Native implementation and execution remain separate obligations.

Recovered status: authored_candidate.

Use only the exact named source scope; a documentary sequence is not deployment or an authority grant.

SOURCE REFERENCES

- specs/recovered/BANGEL-0.1-MJMRI-MOBILE-OPTICAL-RESEARCH-PROFILE.md · line 1

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/recovered/BANGEL-0.1-MJMRI-MOBILE-OPTICAL-RESEARCH-PROFILE.md#L1>

SOURCE REFERENCES

[specs/recovered/BANGEL-0.1-MJMRI-MOBILE-OPTICAL-RESEARCH-PROFILE.md · line 1](#)

Cubix - Verification and discovery

MJPE-COMplete-20260925-CUBIX-INDIGO | Source-backed documentary sequence — execution not rerun

Cubix / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Rooted multiresolution spatial cells carry pixel bounds, source identity, grid index and node points for an external scene.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

A changed source root or out-of-bounds cell must not be accepted as the same observed scene.

EXPECTED BOUNDARY

Return a rooted external-scene cell or HOLD invalid lineage or bounds. The cell does not identify unseen tissue.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

MJMRI-CUBIX-GRID/1

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

An authored research contract or fixture is recovered. Native implementation and execution remain separate obligations. Recovered status: `authored_contract`.

Use only the exact named source scope; a documentary sequence is not deployment or an authority grant.

SOURCE REFERENCES

- specs/recovered/BANGEL-0.1-MJMRI-MOBILE-OPTICAL-RESEARCH-PROFILE.md · line 22

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/recovered/BANGEL-0.1-MJMRI-MOBILE-OPTICAL-RESEARCH-PROFILE.md#L22>

SOURCE REFERENCES

[specs/recovered/BANGEL-0.1-MJMRI-MOBILE-OPTICAL-RESEARCH-PROFILE.md · line 22](#)

MJ Memory Kernel Adapters - Verification and discovery

MJPE-COMplete-20260925-MJ-MEMORY-KERNEL-INDIGO | Source-backed documentary sequence — execution not rerun

MJ Memory Kernel Adapters / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

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VERIFICATION AND DISCOVERY

Local episodic lifecycle, checkpoints, recovery and candidate evaluation executed through Bangel, JP admission and Joanna.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Reject reclaim before a valid checkpoint and checkpoints from another namespace without deleting retained records.

EXPECTED BOUNDARY

Return a lifecycle receipt or non-installing update assessment. No stage is skipped, old ID reused or model automatically installed.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Self-healing kernel adapter; MJ-Memory-Update/0.1.0

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source.

Not a bootable operating-system kernel or automatic model installer.

SOURCE REFERENCES

- plugins/mj_memory_recall/docs/KERNEL.md · line 1

https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/plugins/mj_memory_recall/docs/KERNEL.md#L1

- plugins/mj_memory_recall/docs/KERNEL.md · line 19

https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/plugins/mj_memory_recall/

docs/KERNEL.md#L19

SOURCE REFERENCES

[plugins/mj_memory_recall/docs/KERNEL.md](#) · line 1

[plugins/mj_memory_recall/docs/KERNEL.md](#) · line 19

MJ Football Playbook - Verification and discovery

MJPE-COMplete-20260925-MJ-FOOTBALL-PLAYBOOK-INDIGO | Source-backed documentary sequence — execution not rerun

MJ Football Playbook / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

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VERIFICATION AND DISCOVERY

Episodic recall and physics-football playbook projection preserve source curves, command history and selection identities.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Another coordinate frame or a later-unavailable observation must not enter the current recall decision.

EXPECTED BOUNDARY

Return a physics-play analysis projection with its evidence or HOLD a context mismatch. Similarity is not calibrated probability or coaching approval.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

MJ-Playbook-Projection/0.1.0

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source.

Use only the exact named source scope; a documentary sequence is not deployment or an authority grant.

SOURCE REFERENCES

- plugins/mj_memory_recall/README.md · line 1

https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/plugins/mj_memory_recall/README.md#L1

- plugins/mj_memory_recall/README.md · line 53

https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/plugins/mj_memory_recall/README.md#L53

RECOVERED HISTORICAL CONTEXT

- Historical scope: Maps football playbook geometry and actor paths into comparative prediction and neural node-space overlays.

SOURCE REFERENCES

[plugins/mj_memory_recall/README.md · line 1](#)

[plugins/mj_memory_recall/README.md · line 53](#)

MJ EGO REV - Verification and discovery

MJPE-COMPLETE-20260925-MJ-EGO-REV-INDIGO | Source-backed documentary sequence — execution not rerun

MJ EGO REV / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

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VERIFICATION AND DISCOVERY

Indexed Bangel and native C# modules define an energy ledger, battery and thermal inputs, transition rules and append-only audit receipts.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Missing energy and forbidden transitions must stay held or rejected rather than being balanced with invented zeroes.

EXPECTED BOUNDARY

Return a bounded energy or transition outcome; a source index does not demonstrate a physical energy device.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

MJ-EGO-REV; Ego.Core

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

The later Teal library indexes named source modules and hashes. Discovery does not establish a fresh build, full integration or physical validation.

Recovered status: source_index_recovered.

Full associated source and fresh native execution were not recovered in this inventory pass.

SOURCE REFERENCES

- Later Teal source index, page 974

https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=974

- Later Teal source index, page 977

https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=977

- Later Teal source index, page 978

https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=978

- Later Teal source index, page 979

https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=979

RECOVERED HISTORICAL CONTEXT

- Historical scope: Vehicle-energy modeling and audit project with Bangel and C# implementation lineage.

SOURCE REFERENCES

Later Teal source index, page 974

Later Teal source index, page 977

Later Teal source index, page 978

Later Teal source index, page 979

MJos Quantum Security - Verification and discovery

MJPE-COMPLETE-20260925-MJOS-QUANTUM-SECURITY-INDIGO | Source-backed documentary sequence — execution not rerun

MJos Quantum Security / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

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VERIFICATION AND DISCOVERY

The associated-core source index records entropy health, protection, policy, receipts and self-healing-key modules.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Malformed noise evidence or a compromise signal must not become an unsupported safe-key claim.

EXPECTED BOUNDARY

Return a documentary protection outcome or hold. Indexed source does not establish measured quantum entropy, certified cryptography or a production guarantee.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

mjos_qs; Quantum Security

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

The later Teal library indexes named source modules and hashes. Discovery does not establish a fresh build, full integration or physical validation.

Recovered status: source_index_recovered.

Index evidence does not establish current cryptographic assurance, hardware certification or quantum security.

SOURCE REFERENCES

- Later Teal source index, page 998

https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=998

- Later Teal source index, page 1000

https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=1000

- Later Teal source index, page 1003

https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=1003

- Later Teal source index, page 1006

https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=1006

- Later Teal source index, page 1007

https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=1007

RECOVERED HISTORICAL CONTEXT

- Historical scope: Governed security architecture linking cryptographic migration, artifact integrity, entropy governance, bounded recovery and evidence receipts.

SOURCE REFERENCES

[Later Teal source index, page 998](#)

[Later Teal source index, page 1000](#)

[Later Teal source index, page 1003](#)

[Later Teal source index, page 1006](#)

[Later Teal source index, page 1007](#)

Mika / MK Physics - Verification and discovery

MJPE-COMPLETE-20260925-MIKA-PHYSICS-INDIGO | Source-backed documentary sequence — execution not rerun

Mika / MK Physics / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

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VERIFICATION AND DISCOVERY

Physics Modulator System for dimensional, conservation, boundary, scale, and evidence representation.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Incompatible units or a missing control volume must produce a refusal or HOLD before physical interpretation.

EXPECTED BOUNDARY

Return a scoped physics representation or unresolved requirement. A valid equation is not a measured physical result.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Mika; MK; MK-PHYSICS

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_reference`.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1303

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1303>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1303](#)

Angels Safety - Verification and discovery

MJPE-COMPLETE-20260925-ANGELS-SAFETY-INDIGO | Source-backed documentary sequence — execution not rerun

Angels Safety / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

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VERIFICATION AND DISCOVERY

Domain-specific observation, telemetry, hold, denial, and corrective-command family.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Stale telemetry or an out-of-domain command must not become safety PASS merely because no fault was detected.

EXPECTED BOUNDARY

Return a safety receipt. A correction request does not create execution permission or expand the Angel's domain.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

ANGELS; ANGELS-SAFETY

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_reference`.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1306

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1306>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1306](#)

Bellatrix Defense - Verification and discovery

MJPE-COMPLETE-20260925-BELLATRIX-INDIGO | Source-backed documentary sequence — execution not rerun

Bellatrix Defense / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Independent defense, challenge, quarantine, hostile-deviation analysis, and denial.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Replay consumed evidence or alter a digest; preserve the rejection/quarantine reason.

EXPECTED BOUNDARY

Return defense or quarantine evidence. Defense success grants neither general admission nor financial authority.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

BELLATRIX

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_reference`.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1307

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1307>

- specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md#L402>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Defense and admission boundary that checks whether a proposed action is safe and permitted before execution.

SOURCE REFERENCES

Recovered nonwhite collection, page 1307

specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402

Sister Prediction and Containment - Verification and discovery

MJPE-COMplete-20260925-SISTER-INDIGO | Source-backed documentary sequence — execution not rerun

Sister Prediction and Containment / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Predictive digital twin, preallocation evidence, anomaly detection, umbrella collection, and canonical physical containment request.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Removing the primary binding must hold downstream use until the declared failover supplies valid evidence.

EXPECTED BOUNDARY

Return forecast, reserve or containment evidence; HOLD missing or stale bindings. Simulation does not become observation or authorized physical containment.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

SISTER; SISTER-CONTAINMENT

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1308

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1308>

- specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/GIN-M001-BA>

SOURCE REFERENCES

Recovered nonwhite collection, page 1308

specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402

EVE Variance and Egress - Verification and discovery

MJPE-COMPLETE-20260925-EVE-INDIGO | Source-backed documentary sequence — execution not rerun

EVE Variance and Egress / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

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VERIFICATION AND DISCOVERY

Variance, evaporative effect, screen capture, leakage, smoke-like egress, and boundary-accounting evidence.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

An omitted egress measurement must remain missing rather than disappearing from the balance.

EXPECTED BOUNDARY

Return an observation/egress ledger or HOLD incomplete evidence. A residual does not prove its physical cause.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

EVE; EVE-SCREEN

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_reference`.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1309

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1309>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1309](#)

Mary / M3 Routing - Verification and discovery

MJPE-COMPLETE-20260925-MARY-M3-INDIGO | Source-backed documentary sequence — execution not rerun

Mary / M3 Routing / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

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VERIFICATION AND DISCOVERY

Bounded routing, API gateway, load balancing, connection pooling, and allocation stewardship.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Reject or bound a request exceeding its lease, and refuse expired lease reuse.

EXPECTED BOUNDARY

Return routing/allocation evidence or HOLD unavailable capacity. M3 cannot mint resources, widen leases or bypass denial.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

M3; Mary

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_reference`.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1310

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1310>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1310](#)

Mermaid Reconciliation - Verification and discovery

MJPE-COMPLETE-20260925-MERMAID-INDIGO | Source-backed documentary sequence — execution not rerun

Mermaid Reconciliation / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Accounting, reconciliation, exposure, custody evidence, statements, tax lots, and financial consequence.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

An unexplained difference or unbound custody reference must remain exposed rather than being erased.

EXPECTED BOUNDARY

Return a scoped account or reconciliation record with disputes visible. It does not execute a transfer or issue a product permit.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

MERMAID; MERMAID-RECON

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_reference`.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1311

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1311>

- specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md#L402>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Expresses financial meaning, claims, obligations, valuation and admission within the Bangel ecosystem.

SOURCE REFERENCES

Recovered nonwhite collection, page 1311

specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402

Shiva Capital Models - Verification and discovery

MJPE-COMPLETE-20260925-SHIVA-INDIGO | Source-backed documentary sequence — execution not rerun

Shiva Capital Models / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Finance, money, treasury, liquidity, capital-job classification, risk/opportunity analysis, and distribution proposal.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

An unreconciled account or absent liquidity requirement must not produce an executable distribution.

EXPECTED BOUNDARY

Return a bounded internal proposal or HOLD. No live transfer, market operation or external financial permission is created.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

SHIVA

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_reference`.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1312

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1312>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1312](#)

Shekina Continuity - Verification and discovery

MJPE-COMPLETE-20260925-SHEKINA-INDIGO | Source-backed documentary sequence — execution not rerun

Shekina Continuity / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

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VERIFICATION AND DISCOVERY

Distributed placement, replication, continuity, and infrastructure evidence.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Cross-scope replication or failover to an unadmitted target must not expand the original lease.

EXPECTED BOUNDARY

Return placement/continuity evidence or HOLD unavailable targets. Infrastructure location does not confer authority.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

SHEKINA; SHEKINA-CONTINUITY

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_reference`.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1313

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1313>

- `specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md` · line 402

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md#L402>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Distributed and cloud continuity component in the historical ecosystem architecture.

SOURCE REFERENCES

Recovered nonwhite collection, page 1313

specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402

Belle Engineering - Verification and discovery

MJPE-COMPLETE-20260925-BELLE-INDIGO | Source-backed documentary sequence — execution not rerun

Belle Engineering / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Engineering analysis, feasibility, topology review, and bounded proposals.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

A missing material or scale assumption must remain a recorded uncertainty rather than an invented design value.

EXPECTED BOUNDARY

Return an engineering proposal and risk note. Feasibility review does not prove physical performance or authorize manufacture.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

BELLE

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_reference`.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1314

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1314>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1314](#)

Aviator Workspace - Verification and discovery

MJPE-COMplete-20260925-AVIATOR-INDIGO | Source-backed documentary sequence — execution not rerun

Aviator Workspace / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Organizational workspace, projects, decisions, roles, knowledge, and governed workflow.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

A valid local role must not authorize another tenant's project.

EXPECTED BOUNDARY

Return a bounded workspace/decision record or DENY an out-of-scope operation. Organizational context does not replace root authority.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

AVIATOR; AVIATOR-WORKSPACE

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1317

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1317>

- specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md#L402>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Workspace for building applications and interacting with the Bangel toolchain and governed artifacts.

SOURCE REFERENCES

Recovered nonwhite collection, page 1317

specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402

CHI Temporal Variance - Verification and discovery

MJPE-COMPLETE-20260925-CHI-INDIGO | Source-backed documentary sequence — execution not rerun

CHI Temporal Variance / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Temporal variance and expected-observed-delivered-reconciled difference state.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Incompatible clocks or a missing observation must not be represented as zero variance.

EXPECTED BOUNDARY

Return temporal variance or HOLD incomparable states. Variance determines neither price nor execution permission.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

CHI

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_reference`.

Do not automatically equate historical CHI with GIN; this pass recovered related temporal roles but no verified identity migration.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1318

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1318>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1318](#)

WATER Uncertainty - Verification and discovery

MJPE-COMPLETE-20260925-WATER-INDIGO | Source-backed documentary sequence — execution not rerun

WATER Uncertainty / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

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VERIFICATION AND DISCOVERY

Interval uncertainty, verified floor, and bounded unknown-state classification.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Reversed interval bounds or missing required floors must reject or hold classification.

EXPECTED BOUNDARY

Return a scoped uncertainty class or HOLD. Classification grants neither authority nor financial value.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

WATER

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_reference`.

The WATER uncertainty family is not automatically identical to Hagar water-process control or the separate water protection product.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1319

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1319>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1319](#)

JP Semiconductor Phone - Verification and discovery

MJPE-COMplete-20260925-JP-SEMICONDUCTOR-PHONE-INDIGO | Source-backed documentary sequence — execution not rerun

JP Semiconductor Phone / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Explore semiconductor-scale static intake, power wake, solar assist, battery, and operating-system integration.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

A marine parameter without a validated scale map must be flagged rather than reused.

EXPECTED BOUNDARY

Return a design trace and missing measurement requirements. No physical phone, proven capacity or operating device is established.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

JP-SC-PHONE; JP Semiconductor Phone Battery and OS Candidate

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_planned_only_no_physical_article.

PLANNED_ONLY_NO_PHYSICAL_ARTICLE

SOURCE REFERENCES

- Recovered nonwhite collection, page 1380

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1380>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1380](#)

JP Marine Power - Verification and discovery

MJPE-COMPLETE-20260925-JP-MARINE-POWER-INDIGO | Source-backed documentary sequence — execution not rerun

JP Marine Power / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Explore large-scale static intake, solar initiation, power bus, containment, and marine power integration.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Missing vessel/load context must not be filled by a phone or generic solar profile.

EXPECTED BOUNDARY

Return a marine design proposal, not vessel-operation or demonstrated propulsion evidence.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

JP-LS-BOAT; JP Large-Scale Boating Power Candidate

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_planned_only_unclassified.

PLANNED_ONLY_UNCLASSIFIED

SOURCE REFERENCES

- Recovered nonwhite collection, page 1381

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1381>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1381](#)

JP Peaceful Propulsion - Verification and discovery

MJPE-COMplete-20260925-JP-PEACEFUL-PROPULSION-INDIGO | Source-backed documentary sequence — execution not rerun

JP Peaceful Propulsion / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Explore peaceful propulsion measurement and control under non-weaponization, safety, and regulatory gates.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

A simulation result must not be promoted to a hardware command.

EXPECTED BOUNDARY

Return a research design record on hold; no launch, ignition, hardware operation or physical performance is established.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

JP-PEACEFUL-PROPULSION; JP Peaceful High-Energy Propulsion Research Candidate

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_planned_only_safety_hold.

PLANNED_ONLY_SAFETY_HOLD

SOURCE REFERENCES

- Recovered nonwhite collection, page 1382

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1382>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1382](#)

Shiva Dual Rails - Verification and discovery

MJPE-COMplete-20260925-SHIVA-RAILS-INDIGO | Source-backed documentary sequence — execution not rerun

Shiva Dual Rails / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Separate stability/cash functions from investment and crypto risk while preserving liquidity-first ethics.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

An investment scenario must not silently consume a protected stability reserve.

EXPECTED BOUNDARY

Return an internal financial-rail model or HOLD; external operations remain disabled.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

SHIVA-RAILS; Shiva Dual Financial Rails

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_internal_model_external_disabled.

INTERNAL_MODEL_EXTERNAL_DISABLED

SOURCE REFERENCES

- Recovered nonwhite collection, page 1387

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1387>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1387](#)

SHIVAS Internal Reflection - Verification and discovery

MJPE-COMPLETE-20260925-SHIVAS-INTERNAL-INDIGO | Source-backed documentary sequence — execution not rerun

SHIVAS Internal Reflection / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Represent internal capital reflections without minting, redemption, public offer, or value guarantee.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

External redemption or a guaranteed market price must be rejected as an unsupported interpretation.

EXPECTED BOUNDARY

Return a nontransferable internal reflection record, with no public offer or monetary-value assertion.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

SHIVAS-INTERNAL; SHIVAS Internal Settlement Reflection

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_nontransferable_no_monetary_value`.

`NONTRANSFERABLE_NO_MONETARY_VALUE`

SOURCE REFERENCES

- Recovered nonwhite collection, page 1388

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1388>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1388](#)

Shiva Exchange Reference - Verification and discovery

MJPE-COMplete-20260925-SHIVA-EXCHANGE-INDIGO | Source-backed documentary sequence — execution not rerun

Shiva Exchange Reference / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Model transparent price-time, custody, audit, tax, and transfer rules without operating a market.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

A matched simulation order must not be reported as a completed real transfer.

EXPECTED BOUNDARY

Return simulation evidence, not a live market, executed trade or transferable asset.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

SHIVA-EXCHANGE; Shiva Exchange Rule Reference

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_internal_simulation_only.

INTERNAL_SIMULATION_ONLY

SOURCE REFERENCES

- Recovered nonwhite collection, page 1390

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1390>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1390](#)

Elsa Marketplace Reference - Verification and discovery

MJPE-COMPLETE-20260925-ELSA-MARKETPLACE-INDIGO | Source-backed documentary sequence — execution not rerun

Elsa Marketplace Reference / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Coordinate semantic listings, workflow, accounting, execution, and resource evidence without live market authority.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

An ambiguous listing or missing custody reference must remain held rather than actionable.

EXPECTED BOUNDARY

Return an internal marketplace reference with unresolved stages visible; no live market is inferred.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

ELSA-MARKETPLACE; Elsa Governed Marketplace Reference

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_internal_reference_only.

INTERNAL_REFERENCE_ONLY

SOURCE REFERENCES

- Recovered nonwhite collection, page 1394

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1394>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1394](#)

Bangel Spreadsheets - Verification and discovery

MJPE-COMplete-20260925-BANGEL-SPREADSHEETS-INDIGO | Source-backed documentary sequence — execution not rerun

Bangel Spreadsheets / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Provide governed spreadsheet-like operational modeling through typed measurement cells, immutable revisions, Pearl simulation partitions, deterministic recalculation, concurrency control, and audit evidence.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

A stale revision or incompatible unit must not overwrite prior work or coerce missing values to zero.

EXPECTED BOUNDARY

Return a new revision with recalculation evidence, or reject/hold a conflict. Results do not authorize external effects.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Bangel-SPREADSHEETS; Bangel Spreadsheets

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference_mvp_prepasskey.

REFERENCE_MVP_PREPASSKEY

SOURCE REFERENCES

- Recovered nonwhite collection, page 1397

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1397>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1397](#)

JPOSMJ Portfolio - Verification and discovery

MJPE-COMplete-20260925-JPOSMJ-PORTFOLIO-INDIGO | Source-backed documentary sequence — execution not rerun

JPOSMJ Portfolio / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Bind every JP-origin product candidate through MK physics representation, JO verification, participant evidence, and MJ bounded permit classification.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

An unrelated product receipt must not close the target's requirement without verified equivalence.

EXPECTED BOUNDARY

Return a product evidence envelope. Inclusion does not transfer another product's proof or permit.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

JPOSMJ-PORTFOLIO; JPOSMJ Product Portfolio Envelope

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_prepasskey_portfolio_envelope.

PREPASSKEY_PORTFOLIO_ENVELOPE

SOURCE REFERENCES

- Recovered nonwhite collection, page 1398

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1398>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1398](#)

MJ Standard Containment - Verification and discovery

MJPE-COMplete-20260925-STANDARD-CONTAINMENT-INDIGO | Source-backed documentary sequence — execution not rerun

MJ Standard Containment / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Provide a scale-independent rectangle/cone/Sister/EVE/reservoir calculation standard and H2 reference-gas observation profile.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Normalized dimensions must not be treated as fabricated hardware dimensions without scale evidence.

EXPECTED BOUNDARY

Return a geometry reference and required measurements; absent physical values remain held.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

STANDARD-CONTAINMENT-GEOMETRY; MJ Standard Containment Geometry and Reference Gas Model

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference_mvp_physical_values_hold.

REFERENCE_MVP_PHYSICAL_VALUES_HOLD

SOURCE REFERENCES

- Recovered nonwhite collection, page 1399

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1399>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1399](#)

MJ Reservoir Collection - Verification and discovery

MJPE-COMplete-20260925-RESERVOIR-COLLECTION-INDIGO | Source-backed documentary sequence — execution not rerun

MJ Reservoir Collection / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Model the rear reservoir loop, exterior outlet, lake-like buffer, circular inward/tangential re-entry, wave/friction references, adaptive sizing, and full Sister/EVE/Angel/M3/MK/JO/Mermaid/Shiva/MJ transaction path.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

An omitted outlet or residual must remain unknown rather than silently creating a self-balancing system.

EXPECTED BOUNDARY

Return a reference balance or HOLD missing measurements; a logical loop is not a demonstrated physical circulation device.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

RESERVOIR-COLLECTION-MODULATION; MJ Reservoir Collection, Lake Buffer, and Spiral-Compatible Re-entry
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference_mvp_physical_values_hold.

REFERENCE_MVP_PHYSICAL_VALUES_HOLD

SOURCE REFERENCES

- Recovered nonwhite collection, page 1400

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1400>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1400](#)

MJos Solar Core - Verification and discovery

MJPE-COMPLETE-20260925-SOLAR-CORE-INDIGO | Source-backed documentary sequence — execution not rerun

MJos Solar Core / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Provide the common JP-origin governed solar and energy-management architecture shared by the phone, marine, and peaceful rocket/spacecraft profiles.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

A phone thermal limit must not be applied to a marine or spacecraft profile without evidence.

EXPECTED BOUNDARY

Return a shared-core design trace and evidence gaps; one profile's calculation does not validate the others.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

MJOS-SOLAR-CORE-001; MJOS Solar Shared-Core Architecture

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_design_trace_specification_frozen_physical_hold.

DESIGN_TRACE_SPECIFICATION_FROZEN_PHYSICAL_HOLD

SOURCE REFERENCES

- Recovered nonwhite collection, page 1401

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1401>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1401](#)

MJos Solar Phone - Verification and discovery

MJPE-COMplete-20260925-SOLAR-PHONE-INDIGO | Source-backed documentary sequence — execution not rerun

MJos Solar Phone / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Provide solar-assisted phone battery and operating-system power integration with governed energy intake, battery/thermal observation, reserve allocation, workload-aware coordination, provenance, and measurable accounting.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Missing temperature or acquisition provenance must hold unsupported thermal/reserve conclusions.

EXPECTED BOUNDARY

Return a planned power trace, not a demonstrated battery-life claim or physical phone.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

MJOS-SOLAR-SEMI-PHONE-001; MJOS Solar Semiconductor Phone Battery and OS Profile

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_design_trace_specification_frozen_planned_only_no_physical_article.

DESIGN_TRACE_SPECIFICATION_FROZEN_PLANNED_ONLY_NO_PHYSICAL_ARTICLE

SOURCE REFERENCES

- Recovered nonwhite collection, page 1402

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1402>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1402](#)

MJos Solar Marine - Verification and discovery

MJPE-COMplete-20260925-SOLAR-MARINE-INDIGO | Source-backed documentary sequence — execution not rerun

MJos Solar Marine / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Provide solar-assisted marine energy intake, storage, propulsion-load coordination, conversion/recovery, thermal management, reserve protection, operating-system control, telemetry, and evidence-backed state transitions.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Ordinary demand must not silently consume a protected critical reserve.

EXPECTED BOUNDARY

Return an unclassified design trace or HOLD; no operating vessel, certification or physical efficiency is established.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

MJOS-SOLAR-MARINE-001; MJOS Solar-Assisted Marine Power and Propulsion Profile

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_design_trace_specification_frozen_unclassified_no_physical_article.

DESIGN_TRACE_SPECIFICATION_FROZEN_UNCLASSIFIED_NO_PHYSICAL_ARTICLE

SOURCE REFERENCES

- Recovered nonwhite collection, page 1403

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1403>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1403](#)

MJos Solar Spacecraft - Verification and discovery

MJPE-COMplete-20260925-SOLAR-SPACECRAFT-INDIGO | Source-backed documentary sequence — execution not rerun

MJos Solar Spacecraft / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Provide a non-weaponized reference architecture for solar-assisted avionics/electrical reserve, propulsion-state coordination, thermal/battery management, authenticated startup/shutdown, telemetry, fault isolation, and emergency-state control.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

A successful reserve simulation must not be presented as launch approval.

EXPECTED BOUNDARY

Return a peaceful research trace with safety holds preserved.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

MJOS-SOLAR-ROCKET-001; MJOS Peaceful Solar-Assisted Rocket/Spacecraft Power and OS Profile

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_design_trace_specification_frozen_peaceful_research_only_safety_hold.

DESIGN_TRACE_SPECIFICATION_FROZEN_PEACEFUL_RESEARCH_ONLY_SAFETY_HOLD

SOURCE REFERENCES

- Recovered nonwhite collection, page 1404

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1404>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1404](#)

DRO Collection - Verification and discovery

MJPE-COMPLETE-20260925-DRO-COLLECTION-INDIGO | Source-backed documentary sequence — execution not rerun

DRO Collection / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Represent typed collection, scale, unit, state, lineage, and conservation for elements or variance observations.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

A Pearl simulation value must not be promoted to an observed DRO measurement.

EXPECTED BOUNDARY

Return a DRO reference record or HOLD missing evidence; no physical collection hardware is established.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

DRO-COLLECTION-001; DRO Discrete Retention and Element-Collection Reference System

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_reference_candidate_simulation_and_measurement_only`.

`REFERENCE_CANDIDATE_SIMULATION_AND_MEASUREMENT_ONLY`

SOURCE REFERENCES

- Recovered nonwhite collection, page 1405

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1405>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1405](#)

DRO–Pearl Handoff - Verification and discovery

MJPE-COMplete-20260925-DRO-PEARL-HANDOFF-INDIGO | Source-backed documentary sequence — execution not rerun

DRO–Pearl Handoff / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Allocate DRO records into Pearl computational nodes while preserving typed capacity and receipts.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Capacity excess or lost source identity must reject/hold rather than silently truncate the transfer.

EXPECTED BOUNDARY

Return a computational handoff record; information retention does not become physical containment.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

DRO-PEARL-HANDOFF-001; DRO-to-Pearl Computational Node Handoff

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_simulation_and_information_retention_only`.

`SIMULATION_AND_INFORMATION_RETENTION_ONLY`

SOURCE REFERENCES

- Recovered nonwhite collection, page 1406

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1406>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1406](#)

DRO Start and Reserve - Verification and discovery

MJPE-COMPLETE-20260925-DRO-START-RESERVE-INDIGO | Source-backed documentary sequence — execution not rerun

DRO Start and Reserve / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Represent source, start-energy, restart-reserve, conversion, and permit gates without authorizing ignition hardware.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Adequate simulated start energy without verified reserve and separate permission must retain the hold.

EXPECTED BOUNDARY

Return a non-operational energy reference on active hold; no ignition hardware is authorized.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

DRO-IGNITION-REFERENCE-001; DRO Start-Energy and Restart-Reserve Reference System

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_non_operational_reference_active_hold`.

`NON_OPERATIONAL_REFERENCE_ACTIVE_HOLD`

SOURCE REFERENCES

- Recovered nonwhite collection, page 1407

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1407>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1407](#)

Lecanto Image Truth - Verification and discovery

MJPE-COMPLETE-20260925-LECANTO-IMAGE-TRUTH-INDIGO | Source-backed documentary sequence — execution not rerun

Lecanto Image Truth / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Preserve image source identity, analyze signal variance, label transformations, and create bounded intent hypotheses.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

An undisclosed edit or missing provenance must not be presented as an untouched original.

EXPECTED BOUNDARY

Return provenance-linked analysis or HOLD missing origin; signal differences do not establish intent.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

LECANTO-IMAGE-TRUTH-001; Lecanto Image Provenance, Physics, Variance, and Intent-Hypothesis System

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference_candidate.

REFERENCE_CANDIDATE

SOURCE REFERENCES

- Recovered nonwhite collection, page 1408

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1408>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1408](#)

JP Semiconductor DRO–Pearl - Verification and discovery

MJPE-COMplete-20260925-SEMICONDUCTOR-DRO-PEARL-INDIGO | Source-backed documentary sequence — execution not rerun

JP Semiconductor DRO–Pearl / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Integrate DRO energy and measurement accounting with Pearl computational nodes and semiconductor wake/reserve logic.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Computational retention must not be treated as physical energy storage without a measured mapping.

EXPECTED BOUNDARY

Return a planned integration trace with unresolved hardware evidence.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

JP-SC-DRO-PEARL-INTEGRATION-001; JP Semiconductor DRO and Pearl Computational Integration

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_planned_only_no_physical_article.

PLANNED_ONLY_NO_PHYSICAL_ARTICLE

SOURCE REFERENCES

- Recovered nonwhite collection, page 1409

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1409>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1409](#)

Shiva Internal Banking Reference - Verification and discovery

MJPE-COMplete-20260925-SHIVA-DAY1-INDIGO | Source-backed documentary sequence — execution not rerun

Shiva Internal Banking Reference / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Internal banking, settlement, treasury, accounts and audit reference objective under Mermaid, M3, JO, MK and MJ boundaries.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

External token offers or unadmitted transfers must not expand the internal scope.

EXPECTED BOUNDARY

Return an internal future-objective record, not an operational bank or public service.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

SHIVA-DAY1-INTERNAL-BANKING-MVP

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_future_internal_objective.

No outside-platform cryptocurrency, public market or operational banking claim.

SOURCE REFERENCES

- Recovered nonwhite collection, page 7105

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=7105>

SOURCE REFERENCES

[Recovered nonwhite collection, page 7105](#)

Shiva Crypto Legacy Candidate - Verification and discovery

MJPE-COMplete-20260925-SHIVA-CRYPTO-LEGACY-INDIGO | Archive reference — disabled

Shiva Crypto Legacy Candidate / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Earlier Blue product entry records a separately governed external crypto candidate explicitly disabled and on active hold.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

A later internal update must not be represented as removal of the earlier external hold.

EXPECTED BOUNDARY

Return archive-only reconciliation; no token, market or live external product is promoted.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

SHIVA-CRYPTO

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: historical_disabled.

Disabled historical record; not a current launch, token offer or live financial service.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1389

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1389>

- Recovered nonwhite collection, page 7105

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=7105>

SOURCE REFERENCES

Recovered nonwhite collection, page 1389

Recovered nonwhite collection, page 7105

Shiva Shells - Verification and discovery

MJPE-COMPLETE-20260925-SHIVA-SHELLS-INDIGO | Source-backed documentary sequence — execution not rerun

Shiva Shells / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Governed account envelopes carrying typed financial representations, source lineage, evidence and bounded relationships.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

A well-formed shell without separate custody or admission evidence must not authorize a transfer or enlarge its scope.

EXPECTED BOUNDARY

Return a governed account envelope or HOLD missing evidence. A shell is distinct from Shiva capital proposals and SHIVAS nontransferable reflections.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

SHIVA_SHELL; Shiva shells

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_historical_reference.

authority=false; separate custody, scope and admission requirements remain applicable.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1327

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1327>

- Recovered nonwhite collection, page 7098

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=7098>

- Recovered nonwhite collection, page 394

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=394>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Account family used with SHIVAS and the Teal/MJ development integration.
- Historical integration reported; account and authority contracts require their own source evidence.
- Historical evidence has not been rerun in this discovery pass.

SEPARATE HISTORICAL CONTRACT OUTLINE

- ShellIdentity — account and governing profile
- AccountState — exact holdings and sequence
- TransferContext — sender, recipient and allowed operation
- ShellReceipt — state change and provenance

IF

A Shell account participates in an admitted ledger instruction.

HOW

Resolve the account identities and exact state, apply the matching asset/profile rules and retain the sequence and reconciliation evidence.

THEN

Describe the accountable before/after state and any unmet authority condition.

This historical outline is separate from the current-source contract above. It does not establish native integration or newly executed results.

SOURCE REFERENCES

[Recovered nonwhite collection, page 1327](#)

[Recovered nonwhite collection, page 7098](#)

[Recovered nonwhite collection, page 394](#)

MJos Operating System - Verification and discovery

MJPE-COMplete-20260925-MJOS-OPERATING-SYSTEM-INDIGO | Source-backed documentary sequence — execution not rerun

MJos Operating System / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Operating-system and infrastructure substrate identity for bounded resources, memory, storage, network, scheduling and continuity under the applicable MJ profile.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

A successful hosted calculation must not be reported as a boot, isolation proof or operational OS result without corresponding executable evidence.

EXPECTED BOUNDARY

Return a source-backed operating-system profile or unresolved implementation requirement. The MJos name does not itself establish a completed kernel or hardware platform.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

MJOS; MJos OS; MJOS-SUBSTRATE

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_specification_candidate.

Source-described operating substrate; no complete bootable kernel, hardware platform or independently verified resource-isolation result is inferred.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1305

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1305>

- Recovered nonwhite collection, page 1379

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1379>

- Recovered nonwhite collection, page 7095

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=7095>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1305](#)

[Recovered nonwhite collection, page 1379](#)

[Recovered nonwhite collection, page 7095](#)

Bangel Database 1.0 - Verification and discovery

MJPE-COMPLETE-20260925-BANGEL-DATABASE-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Database 1.0 / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Governed transaction and database work derived from the E012 sequence, with typed representation and runtime reconciliation.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Submit a transaction with an incompatible schema or absent write authority; preserve refusal and unchanged state, even if its payload hash is valid.

EXPECTED BOUNDARY

Document the admitted result and reconciliation record; keep unsupported schema or authority conditions explicit.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Bangel Database 1.0
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical E012 and AR001 builds are reported; an independent current release and full native parity remain unverified. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description,

without redistributing private messages or unverified release URLs.

Moana Service Desk - Verification and discovery

MJPE-COMPLETE-20260925-MOANA-SERVICE-DESK-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Moana Service Desk / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

C# service workflow for customers, vessels, tickets, assignments, technician permissions, checklists, readings and service records.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Attempt a technician-only service transition from an unassigned account; retain the ticket history and reject the unauthorized state change.

EXPECTED BOUNDARY

Return the documented workflow result with its evidence level and unresolved integration steps.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Moana Service Desk
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

A local Linux demo with 21 integration tests was historically reported; Windows, macOS and hosted operation remain unverified. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description,

without redistributing private messages or unverified release URLs.

MJ Logical Layer 5 - Verification and discovery

MJPE-COMPLETE-20260925-MJ-L5-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJ Logical Layer 5 / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Supervises neural and predictive proposals with independent gate precedence, operating modes, deadlines and recovery policy.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Feed a high-confidence prediction while an independent guardian veto is active; the forecast must not override that veto or deadline.

EXPECTED BOUNDARY

Record the permitted disposition without allowing predicted confidence to override missing or rejecting evidence.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

MJ Logical Layer 5

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Protected L5 test and ablation completion is reported; a plain-L5 extra HOLD remained separately unresolved. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MjQ - Verification and discovery

MJPE-COMPLETE-20260925-MJQ-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MjQ / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Research family connecting structured language and JP concepts with qualified associative-memory and relational-context ideas.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Compare two matching cues under different coordinate or relation contexts; preserve uncertainty and distinguish associative retrieval from a verified causal explanation.

EXPECTED BOUNDARY

Retain a qualified research result and unresolved questions rather than promoting analogy into implemented fact.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

MjQ

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Research note; biological analogies and provisional lowercase r0 are not established biological mechanisms. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJos Self-Healing Kernel - Verification and discovery

MJPE-COMPLETE-20260925-MJOS-SELF-HEALING-KERNEL-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJos Self-Healing Kernel / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Checkpoints state, contains runaway execution, supports recovery and evaluates proposed prediction updates with separate validation evidence.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Interrupt a bounded worker after a checkpoint; record recovery provenance and ensure the proposed recovered state is validated before reuse.

EXPECTED BOUNDARY

Describe the verified recovery or unresolved hold without granting the recovery module new authority.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

MJos Self-Healing Kernel

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Partial interfaces and development integration are reported; normal issuance and predictive key recovery were distinct historical paths. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description,

without redistributing private messages or unverified release URLs.

Predictive Node Placement - Verification and discovery

MJPE-COMPLETE-20260925-PREDICTIVE-NODE-PLACEMENT-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Predictive Node Placement / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Uses the previous verified outcome and earliest meaningful observation of the next command to prepare placement, then records actual outcome and variance.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Give the next command an early observation that conflicts with the previous prediction; preserve both and reconcile against the actual outcome.

EXPECTED BOUNDARY

Explain the supported contribution and record any missing executable rule without inferring behavior from the name.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Predictive Node Placement
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Intended incremental loop and development integration; performance is workload-specific and requires verification. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description,

without redistributing private messages or unverified release URLs.

Teal Ledger - Verification and discovery

MJPE-COMPLETE-20260925-TEAL-LEDGER-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Teal Ledger / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Development ledger and contract execution family with exact decimal amounts, signed allocations, token-linked GIN evidence and mirror recovery.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Replay a signed allocation and attempt a decimal transfer beyond available atomic balance; reject duplicate or invalid state transitions without rounding value.

EXPECTED BOUNDARY

Record the profile-qualified result; retain missing integration and external-operation requirements.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Teal Ledger

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Local development builds and benchmarks reported; distributed deployment and full release contracts remain open.

Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description,

without redistributing private messages or unverified release URLs.

SHIVAS Ledger Profile - Verification and discovery

MJPE-COMPLETE-20260925-SHIVAS-LEDGER-PROFILE-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

SHIVAS Ledger Profile / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Named asset in the Teal development ledger, using exact atomic balances and governed transfers.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Transfer one atomic unit at the exact balance boundary and then one unit beyond it; document valid arithmetic separately from permission to transfer real value.

EXPECTED BOUNDARY

Document only that profile's behavior; do not silently convert an internal reflection into a transferable public asset.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

SHIVAS Ledger Profile
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

This later ledger profile must not overwrite the nontransferable SHIVAS Internal Reflection source profile. Development ledger identity; no independent production asset or value claim is established. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description,

without redistributing private messages or unverified release URLs.

MJ Digital Twin - Verification and discovery

MJPE-COMPLETE-20260925-DIGITAL-TWIN-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJ Digital Twin / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Records observations and compares predicted and received command behavior within development workflows.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Change a received command result after fixing its prediction; keep the original prediction and add a separately timestamped discrepancy receipt.

EXPECTED BOUNDARY

Record the model's bounded result and variance without substituting predictions for unreceived or unauthenticated data.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

MJ Digital Twin

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

First received-byte observation was historically reported; prediction is not a verified substitute for actual authenticated input. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJ Quantum Water Protection - Verification and discovery

MJPE-COMPLETE-20260925-MJ-QUANTUM-WATER-PROTECTION-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJ Quantum Water Protection / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Water-protection project associated with Hagar, combining software references and preliminary engineering designs.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Supply a simulated sensor series as if it were field water evidence; require clear provenance and prevent a treatment-performance claim from that series.

EXPECTED BOUNDARY

Produce the supported design or test conclusion and identify the measurements needed before physical-performance claims.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

MJ Quantum Water Protection
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical source and package lineage; the name does not establish experimentally validated quantum protection. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description,

without redistributing private messages or unverified release URLs.

Bangel Cloud - Verification and discovery

MJPE-COMPLETE-20260925-BANGEL-CLOUD-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Cloud / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Project and document workspace with build environments, importing, search, backups and planned hosted access.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Import two projects with the same file name but different roots; preserve source identities, access boundaries and recoverable versions.

EXPECTED BOUNDARY

Present the available workspace result and its actual persistence, authentication and deployment status.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Bangel Cloud
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Local checkpoints and cloud preparation are reported; earlier AWS deployment was explicitly pending. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Workspace - Verification and discovery

MJPE-COMPLETE-20260925-BANGEL-WORKSPACE-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Workspace / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Local project workspace retaining source imports, experiments, learning material and recoverable checkpoints.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Restore a checkpoint after modifying an experiment; identify the exact restored bytes and keep the newer experiment discoverable as a separate version.

EXPECTED BOUNDARY

Expose a traceable project view and explicit recovery boundary.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Bangel Workspace
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical local checkpoint packages; complete current source and durable-save status require recovery. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Physics Lab - Verification and discovery

MJPE-COMPLETE-20260925-BANGEL-PHYSICS-LAB-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Physics Lab / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Interactive foundational physics formulas, adjustable inputs, plots and downloadable language examples.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Enter physically incompatible units in a formula example; produce an explicit constraint result rather than a plausible-looking numerical answer.

EXPECTED BOUNDARY

Show the result, comparison and evidence appropriate to the supported lesson.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Bangel Physics Lab
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical 100-method local lab; native execution coverage differed by language and checkpoint. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Statistics Lab - Verification and discovery

MJPE-COMplete-20260925-BANGEL-STATISTICS-LAB-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Statistics Lab / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Statistics experiments with descriptive measures, plots, probability/bootstrap lessons, saved data and exports.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Compare a missing observation with an actual zero and vary a resampling seed; preserve missingness and reproducible statistical assumptions.

EXPECTED BOUNDARY

Show the result, comparison and evidence appropriate to the supported lesson.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Bangel Statistics Lab

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical local learning workbench; it was not yet a 100-method catalog. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJ Encrypted Message API - Verification and discovery

MJPE-COMplete-20260925-MJ-ENCRYPTED-Message-API-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJ Encrypted Message API / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

C# API and demonstration client for authenticated encrypted messages with explicit tamper-detection and replay limitations.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Alter an authenticated message and replay a previously accepted packet; report tamper and replay behavior separately under the declared protocol.

EXPECTED BOUNDARY

Report the supported acceptance result without implying checks the protocol does not implement.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

MJ Encrypted Message API
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical cross-platform tests and public repository reported; identity, truth and freshness are not established by message acceptance. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description,

without redistributing private messages or unverified release URLs.

Bangel Interoperability - Verification and discovery

MJPE-COMPLETE-20260925-BANGEL-INTEROP-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Interoperability / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Language-neutral API and bindings across supported Python, JavaScript/TypeScript, C++, Rust and R integration tracks.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Pass an unknown field, an unsupported numeric value and a version mismatch through each claimed binding; compare protocol outcomes without assuming parity.

EXPECTED BOUNDARY

Return a profile-qualified result and record which parity evidence actually covers the binding.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Bangel Interoperability

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Some released integration families are reported; each binding needs its own supported-contract and parity record. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Teaching Pathway - Verification and discovery

MJPE-COMPLETE-20260925-BANGEL-TEACHING-PATHWAY-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Teaching Pathway / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Progressive explanations and paired C#/Bangel lessons covering language fundamentals, variance, GIN and node logic.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Translate a lesson between C# and Bangel and verify equivalent inputs, units and visible outcomes; mark features whose toolchain support is only proposed.

EXPECTED BOUNDARY

Provide a reproducible exercise and distinguish teaching shorthand from executable syntax.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Bangel Teaching Pathway
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Recovered document and repository pathway; teaching examples must match the implemented grammar. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Java Work Order API - Verification and discovery

MJPE-COMPLETE-20260925-JAVA-WORK-ORDER-API-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Java Work Order API / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Assisted Java/Spring REST starter for work orders, validation, persistence, status transitions and structured errors.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Try an invalid work-order status transition and malformed required field; preserve structured errors and the previous stored record.

EXPECTED BOUNDARY

Show the result, comparison and evidence appropriate to the supported lesson.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Java Work Order API
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical clean build and nine tests reported; learner mastery and production suitability are separate. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Artifact Integrity Service - Verification and discovery

MJPE-COMPLETE-20260925-ARTIFACT-INTEGRITY-SERVICE-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Artifact Integrity Service / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Proposed Java service for deterministic file manifests and detection of added, missing, modified, duplicate or unsafe files.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Compare manifests after adding, removing and modifying files, including an unsafe path; distinguish each change and refuse traversal outside the allowed root.

EXPECTED BOUNDARY

Produce a reviewable specification and explicit implementation status.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Artifact Integrity Service
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_proposal.

Architecture and learning proposal; a completed implementation was not established in the reviewed turns. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Manifest - Verification and discovery

MJPE-COMplete-20260925-MANIFEST-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Manifest / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Separate Tide Casa vertical for models and influencers, with profiles, booking concepts and creator presentation.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Attempt to turn an incomplete creator profile into a confirmed booking; preserve the distinction between presentation, availability and accepted booking authority.

EXPECTED BOUNDARY

Return the prototype outcome without implying live payments, notifications or availability.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Manifest

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Private UI prototype with simulated bookings and alerts; earlier user direction explicitly kept it separate from approved BarTide/Tide Casa builds. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Tide Casa - Verification and discovery

MJPE-COMPLETE-20260925-TIDE-CASA-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Tide Casa / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Customer-facing application business and service platform, with BarTide as its restaurant vertical.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Route the same account through two service verticals; preserve each business context, billing purpose and client authorization.

EXPECTED BOUNDARY

Present a traceable preview or bounded delivery result with its current evidence.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Tide Casa

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historically deployed C# product; public branding should remain distinct from internal engineering roles. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Variance Capture - Verification and discovery

MJPE-COMPLETE-20260925-VARIANCE-CAPTURE-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Variance Capture / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Records the difference between predictions and observed outcomes without erasing uncertainty or granting new authority.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Record opposite signed deviations from the same fixed prediction; retain sign, units, uncertainty and original observation timestamps.

EXPECTED BOUNDARY

Explain the supported contribution and record any missing executable rule without inferring behavior from the name.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Variance Capture

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Recovered named mechanism; numeric and governance semantics are profile-specific. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Variance Pool - Verification and discovery

MJPE-COMPLETE-20260925-VARIANCE-POOL-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Variance Pool / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Named allocation and evidence concept in the historical language and teaching material.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Request allocation from evidence with incompatible units or missing provenance; keep the unresolved allocation visible and do not create usable authority.

EXPECTED BOUNDARY

Explain the supported contribution and record any missing executable rule without inferring behavior from the name.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Variance Pool

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_proposal.

Recovered concept; a current executable allocation contract must be identified before claiming runtime behavior. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Rain - Verification and discovery

MJPE-COMPLETE-20260925-RAIN-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Rain / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Named concept in the variance and predictive-node documentation family.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Try to derive executable behavior from the recovered concept name alone; require a recovered formal definition and a versioned contract before assigning capability.

EXPECTED BOUNDARY

Explain the supported contribution and record any missing executable rule without inferring behavior from the name.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Rain

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: documented_mechanism_source_pending.

Reference recovered; exact semantics should be tied to the governing source profile. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Umbrella - Verification and discovery

MJPE-COMPLETE-20260925-UMBRELLA-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Umbrella / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Named concept associated with variance, GIN and node logic.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Attempt to collapse an unresolved uncertainty envelope into a scalar certainty; preserve the selected definition and its unresolved implementation boundary.

EXPECTED BOUNDARY

Explain the supported contribution and record any missing executable rule without inferring behavior from the name.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Umbrella

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: documented_mechanism_source_pending.

Reference recovered; current implementation is not established by name alone. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Smoke - Verification and discovery

MJPE-COMPLETE-20260925-SMOKE-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Smoke / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Named concept in the variance, GIN and node-logic teaching sequence.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Present an ambiguous indicator as a verified observation; retain its evidence class and refuse an unsupported promotion to fact.

EXPECTED BOUNDARY

Explain the supported contribution and record any missing executable rule without inferring behavior from the name.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Smoke

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: documented_mechanism_source_pending.

Reference recovered; precise rules and runtime support require source reconciliation. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

BlueWater - Verification and discovery

MJPE-COMPLETE-20260925-BLUEWATER-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

BlueWater / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Localized websites and apps for small businesses, beginning with Clearwater and designed for regional editions.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Duplicate a regional template for another business; preserve the client-specific content, permissions and distinction between preview and release.

EXPECTED BOUNDARY

Produce the supported service outline and next measurable delivery step.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

BlueWater

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical private pilot and website records; the relationship to later Tide Casa branding requires explicit provenance rather than assuming an automatic rename. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Lola - Verification and discovery

MJPE-COMPLETE-20260925-LOLA-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Lola / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Customer-facing planning and concierge guide for the BlueWater service workflow, with package guidance and human handoff.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Give the concierge a request beyond its configured service package; retain the question and route the unresolved commitment to a human decision.

EXPECTED BOUNDARY

Give a grounded recommendation or clear handoff without inventing booking or payment completion.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Lola

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical guided prototype; voice, live service integrations and current hosting should be verified separately. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Leverage Analyst - Verification and discovery

MJPE-COMPLETE-20260925-BANGEL-LEVERAGE-ANALYST-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Leverage Analyst / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Football analysis workspace for playbook geometry, film review, snap/formation/front/coverage/technique registration and evidence-qualified physics.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Compare a playbook route with an uncertain film track; preserve calibration, frame provenance and the distinction between modeled and observed movement.

EXPECTED BOUNDARY

Return only the supported geometry or physics assessment with unresolved observation steps visible.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Physics-Based Play Analysis

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical owner-only alpha; playbook models and fallback play-by-play context are not independently verified film observations. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description,

without redistributing private messages or unverified release URLs.

Bangel Leverage Physics Lab - Verification and discovery

MJPE-COMPLETE-20260925-BANGEL-LEVERAGE-PHYSICS-LAB-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Leverage Physics Lab / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Educational video and physics lab with field calibration, tracking, timing and exportable receipts.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Change field calibration while holding pixel tracks constant; show its effect on distance and speed, preserving uncertainty and reproducible timing.

EXPECTED BOUNDARY

Explain the derived educational measurement without implying automated film evidence.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Physics-Based Play Analysis
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical separate alpha; YouTube review used manual timestamps and coordinates, with no automatic access to embedded video frames. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description,

without redistributing private messages or unverified release URLs.

Bangel Cybernetic Framework - Verification and discovery

MJPE-COMPLETE-20260925-BANGEL-CYBERNETIC-FRAMEWORK-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Cybernetic Framework / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Connects targets, measurements, differences, authorized corrections, consequences and reconciliation through JP.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Propose a correction that reduces measured error but exceeds allowed authority; reject the action while preserving the analytical result.

EXPECTED BOUNDARY

Record the admitted response and its observed consequence for reconciliation.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Bangel Cybernetic Framework
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.
Recovered status: `historical_report_not_fresh_verification`.
Recovered architecture; individual executable pathways need source-level reconciliation. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description,

without redistributing private messages or unverified release URLs.

MJos Software Supply Trust - Verification and discovery

MJPE-COMPLETE-20260925-MJOS-SOFTWARE-SUPPLY-TRUST-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJos Software Supply Trust / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Proposed software-assurance product connecting cryptographic dependencies, deterministic release evidence, authorization and recovery after signing-key compromise.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Revoke a signing key after a release and replay its old attestation; distinguish historical signature validity from current admission and recovery policy.

EXPECTED BOUNDARY

Produce a bounded assurance record and the outstanding pilot/implementation requirements.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

MJos Software Supply Trust
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_proposal.

Product proposal and pilot definition; current implemented product source must be recovered before making operational claims. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJos Marine Trust - Verification and discovery

MJPE-COMPLETE-20260925-MJOS-MARINE-TRUST-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJos Marine Trust / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Proposed trust layer for marine digital supply chains, connecting supplier firmware, vessel integration, service and fleet evidence.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Present supplier firmware evidence for the wrong vessel configuration; preserve the mismatch and hold admission despite a valid supplier signature.

EXPECTED BOUNDARY

Explain the qualified trust decision and the physical or deployment evidence still required.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

MJos Marine Trust
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_proposal.

Product concept with historical logo proposals; production deployment and physical assurance are not established. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description,

without redistributing private messages or unverified release URLs.

QSHM - Verification and discovery

MJPE-COMPLETE-20260925-QSHM-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

QSHM / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Custom hardware concept in the MJos Quantum security family, intended to follow validated software interfaces and customer use cases.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Compare a proposed hardware function with the validated software interface; mark missing device measurements and avoid reporting prototype or security-performance results.

EXPECTED BOUNDARY

Retain a reviewable hardware proposal and clearly identify the missing device evidence.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

QSHM

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_proposal.

Longer-term hardware proposal; no validated custom device or hardware security claim is established. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Trust Gateway - Verification and discovery

MJPE-COMPLETE-20260925-TRUST-GATEWAY-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Trust Gateway / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Marine-facing hardware gateway concept for governed supplier, vessel and fleet evidence.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Disconnect fleet connectivity during a proposed update; demonstrate the specified hold/recovery contract before inferring a safe physical gateway behavior.

EXPECTED BOUNDARY

Retain a reviewable hardware proposal and clearly identify the missing device evidence.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Trust Gateway

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_proposal.

Historical future hardware concept; no completed hardware deployment is established. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJ Marine - Verification and discovery

MJPE-COMPLETE-20260925-MJ-MARINE-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJ Marine / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Engineering decision-twin service and reference-model family for propulsion, thermal, energy and repower comparisons.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Compare two repower candidates with unequal source quality; expose assumptions, sensitivity and missing vessel measurements before ranking them.

EXPECTED BOUNDARY

Provide an evidence-qualified engineering comparison and explicit data gaps.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

MJ Marine

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical private website and reference-model package; recommendations remain dependent on actual vessel data and validation. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Marine Design-Decision Twin - Verification and discovery

MJPE-COMPLETE-20260925-MARINE-DESIGN-DECISION-TWIN-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Marine Design-Decision Twin / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Compares a bounded set of vessel or propulsion design alternatives with explicit assumptions, uncertainty, data gaps and supporting evidence.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Change a propulsion constraint after fixing a comparison set; retain the earlier assumptions and produce a new bounded decision receipt.

EXPECTED BOUNDARY

Return a bounded model-based recommendation rather than an unmeasured physical-performance guarantee.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Marine Design-Decision Twin
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Reference model and consulting offer; physical performance requires independent measurements and project-specific validation. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJ Physics Digital Twins - Verification and discovery

MJPE-COMPLETE-20260925-MJ-PHYSICS-DIGITAL-TWINS-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJ Physics Digital Twins / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Circuit-board-style modeling practice connecting a physical system, pre-observation model, measurement, GIN variance and bounded decisions.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Compare the pre-observation circuit model with measured inputs under changed units; preserve the model, conversion and residual evidence separately.

EXPECTED BOUNDARY

Present the supported comparison and validation needed for the next engineering decision.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

MJ Physics Digital Twins

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_proposal.

Historical consulting site and proposal family; known physics, modeled propositions and untested research remain distinct. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description,

without redistributing private messages or unverified release URLs.

Bangel Effect - Verification and discovery

MJPE-COMplete-20260925-BANGEL-EFFECT-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Effect / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Named research concept presented alongside R0, GIN and IF/HOW/THEN within digital-twin architecture.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Ask a visualization or simulated residual to establish a new physical effect; require independent experimental evidence and preserve the research-only status.

EXPECTED BOUNDARY

Retain the research claim at the evidence level actually supported.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Bangel Effect

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Research identity; a name and visual explanation do not establish a newly observed physical law. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Media Compressor - Verification and discovery

MJPE-COMPLETE-20260925-BANGEL-MEDIA-COMPRESSOR-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Media Compressor / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

JP-rooted media/compression development with exact arithmetic, resource receipts, codec staging and independently gated trial/rollback decisions.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Round-trip a bounded media sample under the declared codec and resource limit; separately report distortion, exactness claims, resource receipts and rollback conditions.

EXPECTED BOUNDARY

Record only the demonstrated result; partial AV1 work and third-party compression remain explicitly identified.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Bangel Media Compressor

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Partial internal JP/AV1 sequence; native AV1 completion, independent decoding and compression superiority were explicitly not established. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description,

without redistributing private messages or unverified release URLs.

Bangel C++ Service Adapter - Verification and discovery

MJPE-COMPLETE-20260925-CPP-SERVICE-ADAPTER-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel C++ Service Adapter / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

C++17 adapter for calling the Bangel language service through the supported protocol.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Send a malformed protocol response and unsupported version through the C++ adapter; retain structured failure without silently accepting incompatible data.

EXPECTED BOUNDARY

Return the documented result with platform and contract coverage attached.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Bangel C++ Service Adapter
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical released integration; current compatibility needs its own package and contract evidence. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description,

without redistributing private messages or unverified release URLs.

JP C++ Decimal Library - Verification and discovery

MJPE-COMPLETE-20260925-CPP-DECIMAL-LIBRARY-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

JP C++ Decimal Library / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Native decimal operations with a C interface and C++ wrapper.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Exercise an exact decimal boundary and an overflow across the C and C++ interfaces; compare values and explicit failure contracts without binary floating-point substitution.

EXPECTED BOUNDARY

Return the precise supported result or named failure without expanding the arithmetic guarantees.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

JP C++ Decimal Library
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical integration source; numeric behavior and memory ownership must stay tied to its specific contract. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Rust Service Adapter - Verification and discovery

MJPE-COMPLETE-20260925-RUST-SERVICE-ADAPTER-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Rust Service Adapter / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Rust adapter with protocol handling, examples and tests for the language service.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Cancel a service request and then deliver a late response; preserve request identity, protocol validity and cancellation semantics.

EXPECTED BOUNDARY

Return the documented result with platform and contract coverage attached.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Bangel Rust Service Adapter
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical integration source; separate from a native Rust implementation of the entire language. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description,

without redistributing private messages or unverified release URLs.

R jpsservice - Verification and discovery

MJPE-COMPLETE-20260925-R-JPSERVICE-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

R jpsservice / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

R package for calling the Bangel language service.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Send a vector containing missing and zero values through the service binding; preserve each distinction or report an unsupported conversion.

EXPECTED BOUNDARY

Return the documented result with platform and contract coverage attached.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

R jpsservice
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historical released integration; not interchangeable with the separately named encrypted-message API. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

R jpdecimal - Verification and discovery

MJPE-COMPLETE-20260925-R-JPDECIMAL-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

R jpdecimal / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

R package exposing the native decimal library.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Round-trip a long decimal through the native and R boundaries; preserve exact representation and report unsupported range without silent rounding.

EXPECTED BOUNDARY

Return the precise supported result or named failure without expanding the arithmetic guarantees.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

R jpdecimal
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical released integration; precise numeric semantics depend on the native-library contract. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Studios - Verification and discovery

MJPE-COMPLETE-20260925-BANGEL-STUDIOS-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Studios / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Music-production workspace combining drum, bass, strings and vocal lanes, instrument controls, project handling and evidence-aware processing.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Reload a project with synchronized drum, bass and vocal lanes; compare tempo, event timing and declared processing without assuming native plug-in equivalence.

EXPECTED BOUNDARY

Present the playable or exported result at the demonstrated capability level.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Bangel Studios

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical browser studio versions were reported; native plug-in packaging, commerce and production hosting are separate delivery lanes. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description,

without redistributing private messages or unverified release URLs.

Bangel Drums - Verification and discovery

MJPE-COMPLETE-20260925-BANGEL-DRUMS-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Drums / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Drum-sequencer branch of Bangel Studios with grid-based steps, drum voices, bass and synchronized musical lanes.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Replay a fixed tempo and step pattern, then alter one step; compare deterministic event scheduling and state while keeping browser and native audio lanes distinct.

EXPECTED BOUNDARY

Present the playable or exported result at the demonstrated capability level.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Physics Drum Sequencer; Drum Sequencer

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical browser versions and downloadable build kits; native audio-host validation remains a separate requirement.

Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

RECOVERED HISTORICAL CONTEXT

- Historical scope: Music/sequencing product family with JP-domain and deterministic runtime lineage.

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Infinity - Verification and discovery

MJPE-COMPLETE-20260925-BANGEL-INFINITY-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Infinity / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Named processing profile within the historical Bangel Studios music workflow.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Apply the named processing profile to the same saved input twice; record the specified parameters and avoid inferring an undocumented algorithm from the product name.

EXPECTED BOUNDARY

Document the supported studio result and any independent-validation gap.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Bangel Infinity

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Profile named in the studio release record; a separately installed product or independently validated processing advantage is not established. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Compiler Lab - Verification and discovery

MJPE-COMPLETE-20260925-BANGEL-COMPILER-LAB-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Compiler Lab / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Compiler and media-codec development lab with Elsa, rooted JP-IR, staged backend plans and explicit evidence gates.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Compile an unsupported backend or codec request through Elsa; preserve a precise unsupported result instead of claiming all staged backends are implemented.

EXPECTED BOUNDARY

Produce the profile-qualified artifact and current implementation status.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Bangel Compiler Lab

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical private development build; unfinished codec, self-hosting and external verification work must stay visible. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Debt Analytics - Verification and discovery

MJPE-COMPLETE-20260925-BANGEL-DEBT-ANALYTICS-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Debt Analytics / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Early debt-evaluation and negotiation analytics framework using layered modeling and calibrated constructs for complexity, difficulty, risk, opportunity and priority.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Vary one debt-model input with fixed calibration rules; show how scores change and keep exploratory prioritization separate from a validated financial conclusion.

EXPECTED BOUNDARY

Return a qualified estimate and the evidence needed before decision or performance claims.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Bangel Debt Analytics

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical architecture and specifications; this distinct analytics lineage must not be presented as the current executable language. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description,

without redistributing private messages or unverified release URLs.

Construct Framework - Verification and discovery

MJPE-COMPLETE-20260925-CONSTRUCT-FRAMEWORK-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Construct Framework / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Reusable construct-estimation interface whose internal pipeline normalizes, orients, weights, aggregates and classifies inputs under declared rules.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Reverse an input orientation and remove a required weight; preserve the normalization rule and expose the missing aggregation prerequisite.

EXPECTED BOUNDARY

Return a qualified estimate and the evidence needed before decision or performance claims.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Construct Framework

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Proposed architecture; a shared interface does not by itself prove calibration or validated predictions. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description,

without redistributing private messages or unverified release URLs.

BlueWater Studio - Verification and discovery

MJPE-COMPLETE-20260925-BLUEWATER-STUDIO-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

BlueWater Studio / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

White-label website and application delivery lane within the historical BlueWater service platform.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Promote a client preview through a proposed release workflow; require the correct client identity and approved content before recording a published result.

EXPECTED BOUNDARY

Present a traceable preview or bounded delivery result with its current evidence.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

BlueWater Studio
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Planning and prototype history; do not conflate with the current C#/Bangel Engineering Studio or approved Tide Casa deployment. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Document Library - Verification and discovery

MJPE-COMPLETE-20260925-BANGEL-DOCUMENT-LIBRARY-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Document Library / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Earlier searchable archive with namesake collections, color organization and page-level indexing; source lineage for the current Teal library.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Search the same term by color, project and page; preserve source lineage and distinguish historical archive records from rewritten documentation.

EXPECTED BOUNDARY

Provide searchable, traceable records with missing sources and historical boundaries visible.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Bangel Document Library
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical private archive reported 340 documents and 28,902 searchable pages; full bytes and access are separate from this chat-index recovery. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description,

without redistributing private messages or unverified release URLs.

Bangel Visual Effects - Verification and discovery

MJPE-COMPLETE-20260925-BANGEL-VISUAL-EFFECTS-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Visual Effects / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

User-named visual-effects project within the Bangel family. Recover its exact source and feature boundaries while relating it to the separate Lecanto rendering and Bangel Effect research records.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Compare a transformation against its source image and requested effect; document the exact transformation and keep scientific-effect claims outside unverified VFX scope.

EXPECTED BOUNDARY

Show the requested identity with a source-recovery status until its independent capabilities are grounded.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Bangel visual effects
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `source_recovery_pending`.

Historical project name confirmed by the user; exact source scope remains pending. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description,

without redistributing private messages or unverified release URLs.

Silent Guardian - Verification and discovery

MJPE-COMPLETE-20260925-SILENT-GUARDIAN-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Silent Guardian / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Observes transaction behavior and refines deterministic estimates while preserving the distinction between authenticated and simulated telemetry, bounded corrections and hardened evidence receipts.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Mix authenticated telemetry with simulated samples and exceed a correction envelope; preserve provenance, enforce bounds and report incomplete instrumentation.

EXPECTED BOUNDARY

Record the refinement and evidence receipt; leave unsupported integration and physical claims explicit.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Silent Guardian
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_reference_baseline_partial_integration`.

Historical baseline package and tests were reported; their archives and tests were not freshly recovered or rerun in this pass. Universal Elsa/JP/Joanna instrumentation and full active-runtime unification remained incomplete in the later review. Kalman refinement was deterministic estimation; fractal stability was a hypothesis and superdense coding was an ideal simulation, without physical-entanglement or performance-advantage evidence.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Aviator Cloud - Verification and discovery

MJPE-COMPLETE-20260925-AVIATOR-CLOUD-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Aviator Cloud / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

User-named cloud-facing Aviator product lane. Its documentation connects the Aviator application workspace with the broader Bangel Cloud and Shekina continuity architecture, keeping each role identifiable.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Describe a cloud task without a recovered deployment contract; retain the proposed workspace relationship and mark hosting, execution and continuity support as unresolved.

EXPECTED BOUNDARY

Present the requested cloud-facing identity and the exact source/deployment gaps.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Aviator Cloud
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: source_recovery_pending.

Aviator and cloud roles are historically documented; the exact combined product source and deployment remain pending. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description,

without redistributing private messages or unverified release URLs.

MJos Neurological Model - Verification and discovery

MJPE-COMPLETE-20260925-MJOS-NEUROLOGICAL-MODEL-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJos Neurological Model / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

User-named model family connecting neural association, relational context, episodic recall, predictive comparison and supervised decisions in the MJos ecosystem.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Retrieve a similar memory in a different context; preserve relation and uncertainty, then require independent supervision before any proposed decision is admitted.

EXPECTED BOUNDARY

Record a qualified software result without treating biological analogy as biological validation.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

MJos Neurological Model
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: source_recovery_pending.

Related Neural Net, Memory Recall and L5 histories are recovered; the exact older umbrella specification remains pending. This is software research, not clinical or biological validation. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description,

without redistributing private messages or unverified release URLs.

Mermaid Quantum Blockchain - Verification and discovery

MJPE-COMPLETE-20260925-MERMAID-QUANTUM-BLOCKCHAIN-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Mermaid Quantum Blockchain / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

User-named blockchain project grouping connecting Mermaid financial meaning and reconciliation with the distinct Teal ledger development lineage.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Map a Mermaid obligation to a ledger record; require an explicit semantic adapter and do not infer quantum security or a unified deployed chain.

EXPECTED BOUNDARY

Record the profile-qualified result; retain missing integration and external-operation requirements.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Mermaid quantum blockchain
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: related_sources_integration_pending.

Component histories are recovered separately; a completed integrated quantum blockchain, quantum-security advantage or production network has not been established. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Perth - Verification and discovery

MJPE-COMPLETE-20260925-PERTH-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Perth / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Governed full-stack consolidation framework organizing the language, compiler, representation, runtime, observer and domain modules into explicit active, historical, experimental and external-evidence boundaries.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Import a historical module into the consolidation map; preserve its historical status and prevent documentation inclusion from marking it active or integrated.

EXPECTED BOUNDARY

Record the admitted response and its observed consequence for reconciliation.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

Perth

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: documented_successor_framework_proposal.

Recovered historical specification or architecture; no fresh product execution is claimed.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJos Quantum: Living Water - Verification and discovery

MJPE-COMPLETE-20260925-LIVING-WATER-INDIGO | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJos Quantum: Living Water / Indigo

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

VERIFICATION AND DISCOVERY

Water-facility retrofit and community design platform connecting operating evidence, bounded recovery and QSHM receipts with process models, budgeting, engineering education and a scale-aware design workspace.

OBSERVED IN THIS PASS

Source/document inspection supplied identity, scope, references and documentary contract.

SPECIFIC ASSERTION TO EXECUTE

Compare a projected retrofit saving with verified facility measurements; preserve the stated zero verified savings and require independent water-quality and hardware evidence before physical deployment claims.

EXPECTED BOUNDARY

Produce a traceable design or retrofit scenario, state what is verified, and hold physical deployment claims until their own evidence exists.

EVIDENCE RECORD REQUIREMENT

Fix test identity, source revision, input, expected assertion and applicable contract before execution. Preserve command, environment, observed outcome, exit status, transcript and artifact hashes. Report failed, held and skipped cases.

EXECUTION STATUS

Not run by authoring this sequence. Historical test counts remain historical. This new Indigo record follows recovered overview rules; native tests and results remain authoritative.

DISCOVERY NAMES

MJos Living Water; Living Water
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_website_and_reference_design_not_physical_validation`.

Historical website and reference-design evidence; no physical water-quality, hardware-performance or cyber-survival validation. The 57% savings target was explicitly \$0 verified savings. A later user correction focuses the platform on retrofitting existing facilities.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.